# TABLE OF CONTENTS

The University .........................................................................................................................4
Mission, Vision, Values, and Student Learning Outcomes ............................................................................................................................4
Accreditation .........................................................................................................................5
Pennsylvania’s State System of Higher Education .........................................................................................................................5
Title IX of the Education Amendments of 1972 .........................................................................................................................5
Family Educational Rights and Privacy Act .........................................................................................................................5
The Campus and Academic Buildings .........................................................................................................................6
Alumni Engagement .........................................................................................................................7
Academic Calendar .........................................................................................................................8
Admission ..........................................................................................................................10
  Freshman Applicants ............................................................................................................10
  Transfer Applicants ............................................................................................................10
  Undergraduate Readmission Policy ...................................................................................12
  Non-degree Students ........................................................................................................12
  Dual Enrollment ................................................................................................................12
  International Students ......................................................................................................13
Tuition and Fees .....................................................................................................................15
  Financial Obligation ..........................................................................................................15
  Student Payment Policy ....................................................................................................15
  Tuition and Fees ................................................................................................................15
  Guidelines for Determining Resident Status for Students ................................................15
  Payment Information ........................................................................................................15
  Delinquent Accounts ........................................................................................................15
  Refund Policies ................................................................................................................15
Financial Aid ........................................................................................................................17
  General Eligibility Requirements ......................................................................................17
  Application Process ..........................................................................................................17
  Financial Need ..................................................................................................................17
  Verification Requirements ................................................................................................17
  Payment of Financial Aid ................................................................................................17
  Forms of Financial Assistance .........................................................................................17
  University Student Employment ......................................................................................18
  Other Sources ..................................................................................................................18
  Financial Aid Satisfactory Academic Progress (SAP) Policy ............................................18
  Undergraduate Students ................................................................................................18
  Eliminating Deficiencies ..................................................................................................19
Campus Life ........................................................................................................................20
University Academic Initiatives .........................................................................................................27
Special Academic Opportunities .........................................................................................................28
University Requirements ...............................................................................................................30
Academic Regulations ...............................................................................................................35
Graduation ..........................................................................................................................41
Program Offerings ..................................................................................................................43
  The College of Arts and Sciences ......................................................................................43
  The College of Business and Management ....................................................................44
  The College of Education ................................................................................................45
  The College of Health Sciences .......................................................................................48
  Academic Advising for Exploratory/Undeclared Studies Students ..................................48
Academic Programs and Courses ..........................................................................................51
  Academic Enrichment and Learning .................................................................................51
  Accounting ........................................................................................................................51
  Art + Design ......................................................................................................................51
  Athletic Training ...............................................................................................................61
  Biochemistry ......................................................................................................................69
  Biological Sciences ..........................................................................................................69
Business Management ........................................................................................................... 90
Chemistry and Biochemistry ................................................................................................ 100
Communication .................................................................................................................. 111
Computer Science ............................................................................................................... 121
Dance ................................................................................................................................ 131
Digital Media Technologies ................................................................................................. 133
Early Childhood and Elementary Education ....................................................................... 137
Earth and Space Science .................................................................................................... 141
Economics .......................................................................................................................... 144
Elementary Education ......................................................................................................... 148
English ................................................................................................................................. 151
Exercise Science .................................................................................................................. 166
Finance ................................................................................................................................ 177
First Year Experience ........................................................................................................... 177
Fitness (FIT) General Education Activity Courses ............................................................ 177
General Science .................................................................................................................. 179
Geography ........................................................................................................................... 181
Health Promotion and Lifetime Wellness ............................................................................ 183
Health Studies ...................................................................................................................... 184
History .................................................................................................................................. 194
Hotel, Restaurant and Tourism Management ....................................................................... 200
Interdisciplinary Studies ....................................................................................................... 205
Leadership Studies and Military Science ............................................................................ 206
Marketing ............................................................................................................................. 209
Mathematics ......................................................................................................................... 209
Middle Level Education ....................................................................................................... 217
Modern Languages .............................................................................................................. 219
Music .................................................................................................................................... 229
Nursing ................................................................................................................................. 230
Pharmacy Transfer Program ............................................................................................... 237
Philosophy ........................................................................................................................... 237
Physical Education Teacher Education ................................................................................ 241
Physics ................................................................................................................................. 247
Political Science .................................................................................................................... 256
Professional and Secondary Education ............................................................................... 265
Psychology ........................................................................................................................... 269
Reading ................................................................................................................................. 276
Recreation Services Management ....................................................................................... 276
Rehabilitative and Human Services ..................................................................................... 280
Social Work ........................................................................................................................... 282
Sociology ............................................................................................................................... 285
Special Education and Rehabilitation ................................................................................. 290
Sport Management .............................................................................................................. 295
Theatre .................................................................................................................................. 301
Administration ...................................................................................................................... 308
Faculty ................................................................................................................................... 309
Notice of Nondiscrimination:

East Stroudsburg University of Pennsylvania is committed to equal opportunity for its students, employees and applicants. The university is committed to providing equal educational and employment rights to all persons without regard to race, color, sex, religion, national origin, age, disability, sexual orientation, gender identity or veteran’s status. Each member of the university community has a right to study and work in an environment free from any form of racial, ethnic, and sexual discrimination including sexual harassment, sexual violence and sexual assault. (Further information, including contact information, can be found on the university website at: http://www.esu.edu/titleix) In accordance with federal and state laws, the university will not tolerate discrimination. This policy is placed in this document in accordance with state and federal laws including Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the Civil Rights Acts of 1991 as well as all applicable federal and state executive orders.
The University

East Stroudsburg University, a comprehensive university in northeastern Pennsylvania offering nearly 57 undergraduate and more than 21 graduate degrees and certification programs, is one of the 10 institutions in the Pennsylvania State System of Higher Education.

East Stroudsburg Normal School opened its doors on September 4, 1893. A faculty of 15 greeted a group of 320 students who had entered the two-year programs in elementary and science education.

Although the Normal School was originally privately owned, ownership was transferred to the Commonwealth of Pennsylvania in 1920, and the name was changed to East Stroudsburg State Normal School.

In 1927, the right to confer the degrees of Bachelor of Science in education and Bachelor of Science in health education was granted, and the school’s name then became the State Teachers College at East Stroudsburg.

In 1960, the college’s name was changed to East Stroudsburg State College, reflecting the addition of liberal arts and science curricula. In November 1982, the State System of Higher Education was authorized by Act 188 of 1982.

The college officially became East Stroudsburg University on July 1, 1983.

Mission, Vision, Values, and The Way of the Warrior

University Vision
ESU will be an innovative and entrepreneurial university—educationally, socially, organizationally, and culturally—with an emphasis on quality and collaboration in everything we provide. As a scholarly community, its faculty, students, staff, administrators, and affiliates will be encouraged to be innovative and to explore opportunities that will constantly energize and improve its mission as a learning community of the 21st Century. As a “university without walls,” its sense of community will extend well beyond campus boundaries to embrace ESU’s surrounding communities and region to become a model that other organizations will want to emulate.

University Mission
East Stroudsburg University of Pennsylvania will provide:
• Challenging and contemporary undergraduate and graduate curricula that engage and equip students to critically appraise and apply knowledge in their lives and chosen fields of study.
• A scholarly community that promotes diversity and views teaching as the university’s primary focus.
• Varied opportunities for student and faculty research, creative endeavors and involvement in public service.
• Leadership and service in the educational, cultural and economic development of the region.

University Goals
• Achieve Higher Satisfaction, retention and graduation rates in order to increase student success at ESU.
• Build/create a strong sense of community by understanding and living ESU’s mission and values and by building a commitment to our local community and region.
• Develop a reputation for innovation and entrepreneurship by creating a curious, inventive and risk-taking culture.
• Through the work of innovative faculty, help to develop a culture of research and scholarship while rethinking the preparation of successful graduates.

University Values
We are committed to the principles of intellectual integrity, freedom of expression, the fair and equal treatment of all, good citizenship, environmental stewardship, and accountability for our actions and the resources entrusted to us.

Purposes and Scope
In pursuit of its mission and vision, East Stroudsburg University seeks to adhere to the following principles in both the development of its strategic plan and its ongoing decision-making processes. Used in conjunction with the values outlined above, ESU is committed to:
• Providing quality, affordable academic programs as well as opportunities for lifelong learning, always focusing on student success.
• Sustaining an intellectually challenging environment that identifies and enhances its students’ and the university community members’ talents.
• Creating opportunities for innovation that focus on high impact teaching and learning both inside, and outside, of the classroom.
• Identifying, recruiting, and retaining students representing a multicultural world who by background, motivation, and commitment can benefit from higher education.
• Attracting and retaining a diverse, recognized, and credentialed faculty committed to excellence in teaching and continuing scholarship.
• Attracting and retaining exemplary faculty, staff members, and administrators who accept responsibility and accountability for the personal, professional, educational, and social values espoused by the University.
• Providing leadership, expertise, and service to its local, regional, and global societies.
• Encouraging opportunities for the university community to develop positive, healthy, and holistic lifestyles.
• Serving as a source of cultural and intellectual programs of importance to students and residents of the region.
• Building and maintaining partnerships to enhance opportunities for students, alumni, and the university community.

The Way of the Warrior
A Warrior is:
• A Champion of Social Justice
• Committed to Self Growth
• Willing to Sacrifice for the Greater Good
• Positive, Honest, and Loyal
• Respectful of the Environment and Community
• Dedicated to Empowering Others
• Accountable for One’s Actions

Location
East Stroudsburg University of Pennsylvania is nestled in the foothills of the Pocono Mountains. The combination of quiet woodlands, mountain streams, and refreshing clean air has made the Poconos famous as a resort area for more than 100 years.

Because of the university’s location in the Poconos, students take advantage of the many scenic, historic, and recreational sites, including the Delaware Water Gap National Recreation Area, Bushkill Falls, and the Pocono ski areas. Others have found that the resorts and restaurants offer an excellent opportunity for employment. In addition, the area offers fine...
restaurants, high-quality entertainment, and excellent shopping. Situated on a hill facing Prospect Street in the community of East Stroudsburg, the university is characterized by large areas of grassy expanses comfortably shaded by a variety of towering trees.

The campus is located approximately 75 miles west of New York City and Newark, 85 miles northeast of Philadelphia, 40 miles southeast of the Wilkes-Barre/Scranton area, and 40 miles northeast of the Allentown/Bethlehem/Easton area. Students and faculty alike enjoy the opportunities and advantages of visits to the metropolitan areas.

The university, which is located approximately one-quarter mile from the East Stroudsburg exit off Interstate 80, Exit 308, is within easy reach of major highway systems and commercial air services.

**Accreditation**

East Stroudsburg University is accredited by the Middle States Commission on Higher Education (1007 North Orange St – 4th Floor, MB #166, Wilmington, DE, 19801.) The Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Department of Education and the Council for Higher Education Accreditation.

**Accreditations awarded to academic programs include:**

**Teacher Education Programs**
- Council for the Accreditation of Educator Preparation (CAEP)
- Approved by: Pennsylvania Department of Education

**Athletic Training, B.S. and M.S.**
- Commission on Accreditation of Athletic Training Education (CAATE)

**Biochemistry, B.S. and Chemistry, B.S.**
- American Society for Biochemistry and Molecular Biology (ASBMB)
- Certified by: American Chemical Society (ACS)

**Clinical Exercise Physiology, M.S.**
- Commission on Accreditation of Allied Health Education Programs (CAAEHP)

**Computer Science, B.S.**
- Computing Accreditation Commission of ABET, Inc (ABET)

**Exercise Science, B.S. and M.S.**
- Commission on Accreditation of Allied Health Education Programs (CAAEHP)

**Hotel, Restaurant and Tourism Management, B.S.**
- Accreditation Commission for Programs in Hospitality Administration (ACPHA)

**Nursing, B.S.**
- Accreditation Commission for Education in Nursing (ACEN)
- Approved by: Pennsylvania State Board of Nursing

**Public Health, M.Ph.**
- Council on Education for Public Health (CEPH)

**Social Work, B.S.**
- Council on Social Work Education (CSWE)

**Communication Sciences and Disorders, M.S.**
- American Speech-Language-Hearing Association (ASHA)
- Council on Academic Accreditation in Audiology | Speech-Language Pathology (CAA)
- Approved by: Pennsylvania Department of Education

**Sport Management, B.S. and M.S.**
- Commission on Sport Management Accreditation (COSMA)

**Pennsylvania's State System of Higher Education**

East Stroudsburg University is a member of the Pennsylvania's State System of Higher Education (PASSHE) which is comprised of the Commonwealth's public universities with a combined enrollment of more than 100,000 making it the largest provider of higher education in the Commonwealth.

The universities combine to enroll the largest number of Pennsylvania residents among all four-year colleges and universities in the commonwealth. With 90,000 degree-seeking students and thousands more enrolled in certificate and other career-development programs, the State System is vital to Pennsylvania's economy.

The State System universities collectively offer more than 2,300 degree and certificate programs in more than 530 academic areas. The universities have nearly 800,000 living alumni, most of whom reside in Pennsylvania.

The State System universities are Bloomsburg, Clarion, East Stroudsburg, Indiana, Kutztown, Lock Haven, Mansfield, Millersville, PennWest [California, Clarion and Edinboro], Shippensburg, Slippery Rock and West Chester.

**Title IX of the Education Amendments of 1972**

East Stroudsburg University is committed to providing equal educational and employment rights to all persons without regard to race, color, sex, religion, national origin, age, disability, sexual orientation, gender identity or veteran’s status. Each member of the university community has a right to study and work in an environment free from any form of racial, ethnic, and sexual discrimination including sexual harassment, sexual violence, and sexual assault. In order to meet this commitment and to comply with Title IX of the Education Amendments of 1972 and guidance from the Office for Civil Rights, the University requires faculty members to report incidents of sexual violence shared by students to the University’s Title IX Coordinator. The only exceptions to the faculty member’s reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project. Faculty members are obligated to report sexual violence or any other abuse of a student who was, or is, a child (a person under 18 years of age) when the abuse allegedly occurred to the person designated in the University protection of minors policy.

Information regarding the reporting of sexual violence and the resources that are available to victims of sexual violence is set forth at: Title IX: Sexual Harassment and Sexual Violence

**Family Educational Rights and Privacy Act**

The Family Educational Rights and Privacy Act (FERPA) gives students certain rights with respect to their education record.

ESU students have the following rights:
- To inspect and review certain education records
- To request an amendment of their education record believed to be inaccurate or misleading
- To have control over the disclosure of education records, except to the extent that FERPA authorizes disclosure without consent. The right to restrict access to information identified by the institution to be
directory information available to the public without permission from the student.

- The right to extend third party access to education records to whomever is identified by the student in writing.
- To file with the U.S. Department of Education a complaint concerning alleged failures by the University to comply with the requirements of FERPA.

Directory Information Items Recognized by The University
Certain student information contained in the educational record is considered directory (public) information. Directory (public) information may be shared by the University. A student may request the University Registrar to prohibit the disclosure of any directory (public) information by completing a FERPA Restriction Form.

Directory Information includes:
Student’s name
Official ESU e-mail address
Degree sought and time
Major, Minor, dates of attendance, enrollment status (full-time, part-time - including credit hours), class year
Dates of attendance
Awards, honors (including Dean’s List), degrees conferred including dates
Past and present participation in officially recognized sports and activities
Physical factors (height and weight of student athletes)
Most Previous education agency or institution attended by the student
Fraternity and/or sorority and educational societies.

Annual Notification
Students are reminded of their FERPA rights annually while they are preparing to register for the fall semester. The Annual FERPA Notification will also be available in the University Catalog, Student Handbook and through other university-related publications.

FERPA Restrictions
If you wish to withhold the disclosure of directory information, please print, complete the FERPA Restriction form and submit to the Student Enrollment Center as soon as possible. An effective semester must be included. When this restriction is applied to your record, it also prevents your name from appearing on the dean’s list, graduation lists and other university-related publications. Please consider very carefully the consequences of any decision made by you to withhold your “Directory Information”. Any future requests from non-institutional persons or organizations will be refused should you decide to inform the university not to release the above items. ESU will honor your request but cannot assume responsibility to contact you for subsequent permission to release information. It is the student’s responsibility to notify the university if restrictions are to be rescinded.

Questions about the Annual Notification or the FERPA Restriction form, should be directed to University Records & Registration at ferpa@esu.edu.

FERPA Release
Students can give permission for someone else to have access to their educational record. This is done only when the student completes the FERPA Disclosure form. This form can be found on the myESU Portal under the student tab.

The majority of ESU’s facilities are located in East Stroudsburg, Pa. These buildings include academic facilities, nine residence halls, a 1,000-seat dining hall, a student center, a 60,000-square-foot Recreation Center, athletic facilities, a library and more.

Abeloff Center for Performing Arts
Auditorium | 800 Capacity

J.H. & M.E. Beers Lecture Hall
Lecture Hall | 140 Capacity

DeNike Center for Human Services
7 Classrooms | 2 Simulation Labs | 1 Computer Lab | 2 Seminar Rooms
Academic Offices [Health Studies, Nursing, Recreation Services Management]

The Fine and Performing Arts Center
4 Classrooms | 1 Recital Hall | 2 Theatres | 5 Studios [Art/Dance]
Academic Offices [Art + Design + Media, Theatre]

Gessner Science Hall
3 Classrooms | 1 Bloomsburg Lab | 1 Computer Lab
Academic Offices [Business Management, Hospitality, Recreation and Tourism Management]

Koehler Fieldhouse and Natatorium
3 Classrooms | 5 Labs | 1 Wrestling Room | 1 Arena | 1 Pool
Academic Offices [Athletic Training, Exercise Science, Intercollegiate Athletics]

Monroe Hall
4 Classrooms | 1 Lecture Hall | 2 Labs
Academic Departments [Communication Studies, Communication Sciences and Disorders]

Moore Biology Building
3 Classrooms | 1 Lecture Hall
Academic Offices [Biological Sciences]

Rosenkrans Hall
3 Classrooms | 1 Computer Lab
Academic Offices [Academic Success, Warrior Tutoring Center]

Stroud Hall
20+ Classrooms | 2 Computer Labs | 2 Lecture Halls

Warren E. ’55 and Sandra Hoeffner Science & Technology Center
7 Classrooms | 1 Lecture Hall | 4 Computer Labs | 13 Labs | 1 Planetarium | 1 Wildlife Museum
Academic Offices [Chemistry and Biochemistry, Computer Science, Mathematics, Physics]

Zimbar-Liljenstein Hall
5 Classrooms | 1 Computer Lab | 1 Teaching Gymnasium
Academic Offices [Physical Education Teacher Education, Sport Management]
The three suite-style housing facilities and one traditional residence hall. In total, ESU provides its students with 3,248 beds in order to experience the on-campus lifestyle. Nearby, on 46 acres of ESU's property, resides University Ridge, a ten-building student apartment complex that provides an additional 541 beds to ESU students.

Two of the suite-style facilities house a separate university function; the University Police Station is housed on the ground floor of Hemlock Hall and a Health and Wellness Center for students on the ground floor of Sycamore Suites.

Across campus, the Mattioli Student Recreation Center is a full-service fitness center featuring high end exercise equipment, an elevated running track, 4 basketball courts, racquetball courts and more for the exercise enthusiasts.

Located on Smith Street, Kemp Library provides ESU students, faculty, staff and visitors with materials, services, equipment, spaces, and environments that support the University's academic curricula, assists campus constituents with their study, research, and informational needs, and stimulates cultural development.

Located in Smithfield Township, ESU’s Center for Innovation and Entrepreneurship, built in 2010, is located on the comer of Brown Street and Route 447. This 51,000 sq. ft. facility is a driver of economic development support for Monroe County and home to innovators and entrepreneurs whether they be students, faculty, staff or community members. The Innovation Center includes ESU’s Economic Development and Entrepreneurship Division, Business Accelerator Program, Office of Sponsored Projects and Research, Office of Workforce Development, Wet Lab Facilities, Entrepreneurial Leadership Center, ESU’s Dr. Jane Huffman Wildlife Genetics Institute, and Computer Training Labs.

Less than 10 miles from campus, ESU affiliate, The Student Activity Association, Inc. owns Stony Acres, a 119-acre off-campus student recreation area near Marshalls Creek, which includes a lodge and a small lake. Considered a wildlife sanctuary, Stony Acres is a 119 acre facility in Marshalls Creek, Pa., that serves as a recreational site and field campus for students, faculty and staff. While providing outdoor recreational activity and social opportunities, the site also promotes co-curricular involvement and fosters leadership development.

Lastly, ESU opened an additional location in Bethlehem, Pa. (the Lehigh Valley Center) in 2012 and also partners with Northampton Community College in Bethlehem to provide convenient educational experiences for students in the fields of nursing, public health and business management. ESU’s Lehigh Valley Center offers opportunities for the adult learner as well as the traditional undergraduate student. The Center offers undergraduate degree completion, continuing education, non-degree programs, certificate programs and accelerated graduate degree opportunities.

Computing and Communication Services

The university Computing and Communications Center supports administrative computing, academic computing and telecommunications. Administrative computing is served by the Banner student information system, encompassing more than 30 online systems and providing services to the students, faculty and staff. The academic computing network consists of 30 UNIX or Windows based servers that are connected to approximately 2,200 personal computers provided to support instruction, Internet access, campus network access, and email. They are located in 35 computer laboratories across campus. There is an open-access computer lab in each residence hall.

Additionally, many academic departments maintain discipline-specific computer laboratories for their curricula. Wireless computing zones are located throughout campus and outdoors. Students can connect to the Internet in these areas using a standard wireless device or smartphone. In addition, faculty and students use wireless for conducting specialized labs in a variety of courses. Helpful computing information can be found at esu.edu/ac.

Additionally, the Office of Computing and Communication Services supports faculty, administration, students, and affiliated businesses with services such as local and long distance telephone, voice mail, digital cable TV, and Internet.

The McGarry Communication Center is the campus base for the Instructional Resources Department, including the audiovisual, graphics, and television services units. The Communication Center houses two television studios and is the distribution center of campus cable television as well as the community-wide ESU television telecasts. WESS 90.3 FM radio is also located in the Center.

Kemp Library

Kemp Library provides all students, faculty and staff with numerous opportunities to acquire information in pursuit of their academic and career goals. The library offers a wide variety of resources and services to help achieve these goals. The collection includes not only physical items such as print books and journals, but also a large number of electronic resources, such as EBSCO databases, electronic journals and e-books. The library strives to provide 24/7 access to electronic resources via the library website. Students, faculty and staff are encouraged to take advantage of the library’s services including Inter-Library Loan, Reference and Research Assistance and to contact faculty librarians to schedule individualized instructional sessions or personal assistance. The library also provides quiet spaces for study as well as comfortable areas for group discussions. For more information about Kemp Library, visit the website - www.esu.edu/library.

Alumni Engagement

The Office of Alumni Engagement, as part of the East Stroudsburg University Foundation, works to support and engage a network of more than 45,000 ESU alumni. Membership into the East Stroudsburg University Alumni Association is solidified the moment a graduate crosses the platform during commencement.

Located in the Henry A. Ahnert Jr. Alumni Center, the office plans multiple events throughout the year, including the All Alumni Annual Tailgate and other regional events to connect and engage alumni with each other and the university. The office also produces the Alumni Herald magazine (www.esualumni.org/herald), which is published twice per year and filled with information about classmates and alumni success stories. The office looks to its network of alumni to show their support and commitment to ESU. Alumni and friends are encouraged to extend their support through the ESU Foundation Warrior Fund. Gifts to the Warrior Fund provide direct and immediate support to ESU and its programs. Gifts are used for student scholarships, enhancing academic and athletic programs and improving ESU’s technology infrastructure. For more information about the office, the benefits of being a graduate of ESU, the Alumni Association, connecting with ESU alumni, or the ESU Foundation, visit www.esualumni.org.
### Academic Calendar

#### Fall 2022
- **15-Jul**: Bills viewable on MyESU Portal
- **1-Aug**: Fall 2022 Bills Due
- **27-Aug**: Residence Halls Open
- **29-Aug**: Fall 2022 Courses Begin
- **1-Sept**: *Quarter 1*: Last Day to Drop Course [No Grade]  
  *Quarter 1*: Last Day to Add Course
- **2-Sept**: *Quarter 1*: Withdrawal [W] Grade Period Begins
- **5-Sept**: No Classes - Labor Day
- **6-Sept**: Classes Resume
- **FULL SEMESTER**: Last Day to Drop Course [No Grade]  
  FULL SEMESTER: Last Day to Add Course
- **7-Sept**: FULL SEMESTER: Withdrawal [W] Grade Period Begins
- **30-Sept**: *Quarter 1*: Last Day to Withdraw [W] from Course
- **10-Oct**: No Classes - Fall Break
- **11-Oct**: Monday Class Schedule - Switch Day  
  [Faculty] Midterm Grade Links Open
- **19-Oct**: *Quarter 1*: Ends
- **20-Oct**: *Quarter 2*: Begins
- **21-Oct**: [Faculty] Midterm Grades Due [9:00 AM] to Registrar's Office
- **23-Oct**: *Quarter 2*: Last Day to Drop Course [No Grade]  
  *Quarter 2*: Last Day to Add Course
- **24-Oct**: *Quarter 2*: Withdrawal [W] Grade Period Begins
- **3-Nov**: Winter 2023 and Spring 2023 Registration Begins
- **FULL SEMESTER**: Last Day to Withdraw [W] from Course
- **22-Nov**: *Quarter 2*: Last Day to Withdraw [W] from Course
- **23-Nov**: No Classes - Thanksgiving Break
- **24-Nov**: No Classes - Thanksgiving Break
- **25-Nov**: No Classes - Thanksgiving Break
- **28-Nov**: Classes Resume
- **8-Dec**: [Faculty] Final Grade Links Open
- **9-Dec**: *Quarter 2*: Ends
- **12-Dec**: Final Exam Week Begins
- **16-Dec**: Fall Semester Ends  
  Residence Halls Close
- **22-Dec**: [Faculty] Final Grades Due [9:00 AM] to Registrar's Office  

#### Winter 2023
- **19-Dec**: Winter 2023 Courses Begin
- **21-Dec**: Last Day to Drop Course [No Grade]  
  Last Day to Add Course
- **22-Dec**: Withdrawal [W] Grade Period Begins
- **5-Jan**: Last Day to Withdraw [W]  
  [Faculty] Grade Links Open
- **13-Jan**: Winter Session - Ends
- **19-Jan**: [Faculty] Grades Due [9:00 AM] to Registrar's Office

All Calendar Dates Subject to Change

#### Spring 2023
- **2-Jan**: Spring 2023 Bills Due
- **15-Jan**: Residence Halls Open
- **17-Jan**: Spring 2023 Courses Begin
- **19-Jan**: Winter Session [Faculty] - Final Grades Due [9:00 AM] to Registrar's Office
- **20-Jan**: *Quarter 3*: Last Day to Drop Course [No Grade]  
  *Quarter 3*: Last Day to Add Course
- **21-Jan**: *Quarter 3*: Withdrawal [W] Grade Period Begins
- **24-Jan**: FULL SEMESTER: Last Day to Drop Course [No Grade]  
  FULL SEMESTER: Last Day to Add Course
- **25-Jan**: FULL SEMESTER: Withdrawal [W] Grade Period Begins
- **17-Feb**: *Quarter 3*: Last Day to Withdraw [W] from Course
- **6-Mar**: No Classes - Spring Break
- **7-Mar**: No Classes - Spring Break
- **8-Mar**: No Classes - Spring Break
- **9-Mar**: No Classes - Spring Break
- **10-Mar**: No Classes - Spring Break
- **13-Mar**: Classes Resume
- **14-Mar**: *Quarter 3*: Ends  
  [Faculty] Midterm Grade Links Open
- **15-Mar**: *Quarter 4*: Begins
- **19-Mar**: *Quarter 4*: Last Day to Drop Course [No Grade]  
  *Quarter 4*: Last Day to Add Course
- **20-Mar**: *Quarter 4*: Withdrawal [W] Grade Period Begins
- **24-Mar**: [Faculty] Midterm Grades Due [9:00 AM] to Registrar's Office
- **3-Apr**: Fall 2023 Registration Begins
  FULL SEMESTER: Last Day to Withdraw [W] from Course

All Calendar Dates Subject to Change
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-Apr</td>
<td>Quarter 4 - Last Day to Withdraw [W] from Course</td>
</tr>
<tr>
<td>28-Apr</td>
<td>[Faculty] Final Grade Links Open</td>
</tr>
<tr>
<td>1-May</td>
<td>Quarter 4 - Ends</td>
</tr>
<tr>
<td></td>
<td>FAFSA Priority Deadline [Continuing Students] for Institutional Funding</td>
</tr>
<tr>
<td>2-May</td>
<td>Final Exam Week Begins</td>
</tr>
<tr>
<td>5-May</td>
<td>Spring 2023 Semester Ends</td>
</tr>
<tr>
<td></td>
<td>Residence Halls Close</td>
</tr>
<tr>
<td></td>
<td>Graduate Commencement Ceremony</td>
</tr>
<tr>
<td>6-May</td>
<td>Undergraduate Commencement Ceremonies</td>
</tr>
<tr>
<td>12-May</td>
<td>[Faculty] Final Grades Due [9:00 AM] to Registrar's Office</td>
</tr>
</tbody>
</table>

**All Calendar Dates Subject to Change**

### Summer 2023

#### Full Summer - 12 Weeks [May 15 – August 4, 2023]
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-May</td>
<td>Full Summer Courses Begin</td>
</tr>
<tr>
<td>23-May</td>
<td>Last Day to Drop Full Summer Course as No Grade</td>
</tr>
<tr>
<td></td>
<td>Last Day to Add Full Summer Course</td>
</tr>
<tr>
<td>24-May</td>
<td>Full Summer Withdrawal (W) Grade Period Begins</td>
</tr>
<tr>
<td>29-May</td>
<td>Memorial Day – No Classes</td>
</tr>
<tr>
<td>29-Jun</td>
<td>Last Day to Withdraw (W) from Full Summer Course</td>
</tr>
<tr>
<td>4-Jul</td>
<td>In Observance of Fourth of July - No Classes</td>
</tr>
<tr>
<td>27-Jul</td>
<td>Grade Links Open for Faculty</td>
</tr>
<tr>
<td>4-Aug</td>
<td>Full Summer Ends</td>
</tr>
<tr>
<td>10-Aug</td>
<td>Faculty Deadline to Submit Grades to Registrar's Office by 9:00 AM</td>
</tr>
</tbody>
</table>

#### Summer Session 4A - 4 Weeks [May 15 – June 9, 2023]
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-May</td>
<td>4A Courses Begin</td>
</tr>
<tr>
<td>17-May</td>
<td>Last Day to Drop 4A Course as No Grade</td>
</tr>
<tr>
<td></td>
<td>Last Day to Add 4A Course</td>
</tr>
<tr>
<td>18-May</td>
<td>4A Withdrawal (W) Grade Period Begins</td>
</tr>
<tr>
<td>29-May</td>
<td>Memorial Day – No Classes</td>
</tr>
<tr>
<td>31-May</td>
<td>Last Day to Withdraw (W) from 4A Course</td>
</tr>
<tr>
<td>1-Jun</td>
<td>Grade Links Open for Faculty</td>
</tr>
<tr>
<td>9-Jun</td>
<td>4A Ends</td>
</tr>
<tr>
<td>15-Jun</td>
<td>Faculty Deadline to Submit Grades to Registrar's Office by 9:00 AM</td>
</tr>
</tbody>
</table>

#### Summer Session 8A - 8 Weeks [May 15 – July 7, 2023]
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-May</td>
<td>8A Courses Begin</td>
</tr>
<tr>
<td>19-May</td>
<td>Last Day to Drop 8A Course as No Grade</td>
</tr>
<tr>
<td></td>
<td>Last Day to Add 8A Course</td>
</tr>
</tbody>
</table>

#### Summer Session 4B - 4 Weeks [June 12 – July 7, 2023]
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-Jun</td>
<td>4B Courses Begin</td>
</tr>
<tr>
<td>14-Jun</td>
<td>Last Day to Drop 4B Course as No Grade</td>
</tr>
<tr>
<td></td>
<td>Last Day to Add 4B Course</td>
</tr>
<tr>
<td>15-Jun</td>
<td>4B Withdrawal (W) Grade Period Begins</td>
</tr>
<tr>
<td>27-Jun</td>
<td>Last Day to Withdraw (W) from 4B Course</td>
</tr>
<tr>
<td>29-Jun</td>
<td>Grade Links Open for Faculty</td>
</tr>
<tr>
<td>7-Jul</td>
<td>4B Ends</td>
</tr>
<tr>
<td>13-Jul</td>
<td>Faculty Deadline to Submit Grades to Registrar's Office by 9:00 AM</td>
</tr>
</tbody>
</table>

#### Summer Session 8B - 8 Weeks [June 12 – Aug 4, 2023]
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-Jun</td>
<td>8B Courses Begin</td>
</tr>
<tr>
<td>16-Jun</td>
<td>Last Day to Drop 8B Course as No Grade</td>
</tr>
<tr>
<td></td>
<td>Last Day to Add 8B Course</td>
</tr>
<tr>
<td>17-Jun</td>
<td>8B Withdrawal (W) Grade Period Begins</td>
</tr>
<tr>
<td>4-Jul</td>
<td>In Observance of Fourth of July - No Classes</td>
</tr>
<tr>
<td>14-Jun</td>
<td>Last Day to Withdraw (W) from 8B Course</td>
</tr>
<tr>
<td>27-Jun</td>
<td>Grade Links Open for Faculty</td>
</tr>
<tr>
<td>4-Aug</td>
<td>8B Ends</td>
</tr>
<tr>
<td>10-Aug</td>
<td>Grade Links Open for Faculty</td>
</tr>
</tbody>
</table>

#### Summer Session 4C - 4 Weeks [July 10 – Aug 4, 2023]
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-Jul</td>
<td>4C Courses Begin</td>
</tr>
<tr>
<td>12-Jul</td>
<td>Last Day to Drop 4C Course as No Grade</td>
</tr>
<tr>
<td></td>
<td>Last Day to Add 4C Course</td>
</tr>
<tr>
<td>13-Jul</td>
<td>4C Withdrawal (W) Grade Period Begins</td>
</tr>
<tr>
<td>26-Jul</td>
<td>Last Day to Withdraw (W) from 4C Course</td>
</tr>
<tr>
<td>27-Jul</td>
<td>Grade Links Open for Faculty</td>
</tr>
<tr>
<td>4-Aug</td>
<td>4C Ends</td>
</tr>
<tr>
<td>10-Aug</td>
<td>Faculty Deadline to Submit Grades to Registrar's Office by 9:00 AM</td>
</tr>
</tbody>
</table>

### All Calendar Dates Subject to Change

---

---
Admission

Recruitment Activity Practice
Only appointed employees or trained alumni of ESU are authorized to officially represent the university in recruiting and enrolling students through direct contact with the applicant, the applicant’s parents/legal guardians, spouse or school-appointed counselors. The university does not condone high-pressure recruitment strategies nor provide compensation by commissions, bonuses, or other incentive payments based on the number of students referred, recruited, admitted, or enrolled, including recruitment and financial aid support of military service members.

Freshman Applicants

Who is a Freshman Applicant?
A freshman applicant:
• Has not attended any post-secondary institution after high school graduation.
• Has attempted less than 12 college credits after high school graduation.
• May have enrolled in college courses while in high school (dual enrollment), regardless of the numbers of credits attempted/completed.

Application Dates
Prospective freshmen can apply to be reviewed for the Spring or Fall 2023 semesters. The application is available online at www.esu.edu/apply. We recommend that you submit all application materials before winter break of your senior year.

Spring 2023 Semester

January 10, 2023 Regular Admission*

Fall 2023 Semester

February 3, 2023 Priority Admission
June 2, 2023 Regular Admission*
*Thereafter Rolling Admission (applications considered on a space available basis

Application Requirements and Review Process
For an admission decision to be made the following must be submitted:
• A complete online application
• A $25 application fee
• Official high school transcript1
• Official college transcript (if applicable)
• SAT and/or ACT test results and/or TEAS test results2

Academic achievement is the primary factor considered in the selection process, through high school transcripts and standardized test results. Competitive applicants will have enrolled in a solid college preparatory curriculum, including at least:
• 4 years of English
• 3 years of college preparatory Math to include Algebra 1, Geometry, & Algebra II; a math course of which Algebra II is a prerequisite is recommended for seniors
• 3 years of Science, to include Biology & Chemistry (with labs), and one inquiry-based science such as Physics, Environmental Science, or Earth Science
• 3 years of Social Studies such as Civics, U.S. History, World History, Geography, or Economics

1 Only high school transcripts that are provided from the student’s school counselor or another high school official will be considered official. A copy of a transcript that the student is able to obtain can be submitted and used to begin the decision making process. However, an official copy of the transcripts will still need to be provided to accompany the student’s application and records.
2 Applicants who are admitted and choose to enroll will be required to submit their final official transcript(s) to verify that their information is correct and to confirm graduation. All admission decisions are conditional upon successful completion of the final term(s)/year of enrollment.
3 ESU’s admission process is test-optional. However, students are required to submit SAT and/or ACT and/or TEAS test scores if they are: home schooled, a recruited student athlete, or are interested in Nursing or select scholarships.

Additionally, standardized test scores may be used to determine placement in English and Math courses.

Admission Notification
• Applicants will receive communication throughout the admission process via the email address provided on the application.
• Applicants should keep their address updated with ESU and check their inbox and spam folders. Email any changes to admission@esu.edu with your full name and ESU issued ID number.
• Applications for the following academic year are reviewed beginning in July. Admissions decisions may be communicated by email and/or postal mail. Applicants can also check their status online at MyESU for real-time updates.
• Applicants to Nursing and other selective programs may receive an admission decision later in the admissions cycle. This process allows additional review time to determine the appropriate candidates for the limited seats in these programs.

Admission Presentations, Campus Tours, Open House Programs
ESU offers a variety of visit opportunities, both on weekdays and weekends throughout the year. Open House programs are scheduled on select weekends. Campus Days are offered on specific days throughout the year. Registration for on campus visit experiences may be found at esu.edu/visit

Transfer Applicants

Who is a Transfer Applicant?
East Stroudsburg University welcomes more than 600 transfer students each year from two- and four-year institutions.

A transfer applicant:
• Has attended any post-secondary institution after high school graduation and
• Attempted and completed 12 or more college credits

Note: Applicants with fewer than 12 attempted college credits following graduation from high school are considered first-time in college students in the application process, and will be evaluated using a combination of
their college course grades, high school record, and SAT/ACT scores (if available).

**Application Dates**
Prospective transfer students can apply starting July 2022 to be reviewed for the Spring or Fall 2023 semesters. The application is available online at esu.edu/apply.

**Spring 2023 Semester**
- January 10, 2023: Regular Admission*

**Fall 2023 Semester**
- April 1, 2023: Priority Admission
- June 2, 2023: Regular Admission*
- *Thereafter: Rolling Admission (applications considered on space available basis)

**Application Requirements**
For an admission decision to be made the following must be submitted:
- A complete online application
- A $25 application fee
- Official transcripts from all institutions attended post high school, listing courses in progress as well (if applicable)
- An official high school transcript (required for all transfer students entering ESU without a conferred Associate or Bachelor’s degree)

All admission decisions are conditional upon successful completion of the final term(s) of enrollment.

**Admission Notification**
- Applicants will receive communication throughout the admission process via the email address provided on the application.
- Applicants should keep their address updated with ESU and check their inbox and spam folders. Any changes should be emailed to admission@esu.edu with your full name and ID number.
- Applications are reviewed beginning in July. Admission decisions may be communicated by email and/or postal mail. Applicants can also check their status online at MyESU for real-time updates.
- Applicants to Nursing are reviewed for the fall semester only.

**Transfer Admission Criteria**
A minimum of 12 college credits with a GPA of 2.0 or higher is required for consideration.

The following programs have higher admission criteria:
- Communication Sciences and Disorders (formerly Speech-Language Pathology)
- Computer Science
- Computer Security
- Hotel, Restaurant and Tourism Management
- Nursing
  - RN to BS in Nursing
- Recreation Services Management
- Rehabilitative and Human Services
- Sport Management
- Teacher Education Programs

More information can be found at esu.edu/transfer under “Admission Requirements.” Applicants not offered admission to their first choice major will have an opportunity to choose another major.

**Pennsylvania Transfer Articulation Center**
ESU participates in the Pennsylvania Transfer and Articulation Center (PA TRAC) which was established to comply with Article XX-C of the Public Institution Code of 1949. PA TRAC allows for a seamless statewide transfer and articulation system between Pennsylvania’s 14 community colleges, four state-related universities, and the 14 universities in the Pennsylvania State System of Higher Education. Transfer of courses and academic program articulation occurs in the following three ways:
- 30-Credit Transfer Framework is a complement of a minimum of 30 credits of foundation courses that can be easily transferred to any of the participating institutions. The Framework includes courses in English, public speaking, mathematics, natural science, humanities and the behavioral and social sciences.
- Articulation Agreements with Community Colleges. View existing agreements at esu.edu/transfer.
- Statewide Program-to-Program Articulation allows students who graduate with specified associate degrees to transfer as juniors into bachelor degree programs in similar fields at a participating four-year institution. At ESU, the following degree programs are part of the Statewide Program-to-Program agreements:
  - Biology
  - Business Management
  - Chemistry
  - Communication Studies
  - Computer Science
  - Criminal Justice
  - Early Childhood (PreK-4)
  - English
  - Environmental Science
  - Fine Arts: Art Emphasis
  - History
  - Mathematics
  - Modern Languages
  - Physics
  - Political Science
  - Psychology
  - Social Work
  - Sociology
  - Theatre

For additional information on PA TRAC, visit esu.edu/transfer.

**The Student Transfer Policy**
The Student Transfer Policy 1999-01A is designed to promote a seamless transfer process for students currently attending Pennsylvania community colleges, Lackawanna College and the universities in the Pennsylvania State System of Higher Education. Students who meet the established eligibility criteria, are guaranteed acceptance at any of the Pennsylvania State System of Higher Education Institutions - and ensured the transfer and acceptance of all successfully completed course credits. Further information may be obtained from the Office of Admission, or by visiting passhe.edu.

**Transfer of Credit**
Only credits for courses with grades of “C” or better will be considered for transfer credit.

ESU does not accept or deny credits exclusively based on the sending institution’s accreditation or mode of coursework delivery. Credits from non-accredited institutions will be reviewed by the Transfer Center staff and/or relevant ESU academic department for transfer credit. Students
may be required to submit additional course information to assist in determining equivalencies.

**Transfer Credit Evaluation**

Applicants offered admission will receive a Transfer Credit Evaluation (TCE) from the Office of Admissions. The TCE will indicate coursework that is transferable to ESU and will also indicate the transfer equivalent at ESU. Transferable credits are officially added to a student’s ESU records upon evaluation of the official final college transcript.

Please see the Graduation Residency Requirement in the Academic Regulations section of the catalog for information that may affect the maximum transferable credits and completion of a student’s ESU degree program.

**How to Read the Transfer Credit Evaluation (TCE)**

1. Sending institution course(s) transfer as follows:
   a. If there is an exact matching ESU course, the title will reflect the ESU equivalent course.
   b. If there is not an exact match, but the course transfers as an elective, the original course title will be retained.
   c. Course Code 199: General Education elective (no exact match), suitable for General Education requirement in specified ESU academic department.
   d. Course Code 299 or 399: Departmental elective (no exact match), ESU academic department decides how the course applies toward the major.
   e. Course Code ELEC 299: Course does not fit either General Education or major requirements; credit will transfer as an elective.

**Final Transfer of Credits**

Transferable credits are officially added to a student’s East Stroudsburg University record upon receipt and evaluation of the official final college transcript.

**Undergraduate Readmission Policy**

Students who have been away for more than three consecutive academic semesters are readmitted based on the current catalog requirements for the semester they will be resuming their studies. Depending on how long a student has been away, requirements in the academic program of study may have changed.

The readmission application is designed for undergraduate students who were previously registered at ESU, and have been away from ESU for one or more regular academic terms. These students intend to re-enroll at ESU and not to study at another institution during this time.

Students who have been away from ESU for fewer than three semesters may complete a returning student form at [https://www.esu.edu/admissions/undergraduate/readmission/index.cfm](https://www.esu.edu/admissions/undergraduate/readmission/index.cfm). Students planning to study or intern abroad, or participate in the International Student Exchange Programs, should schedule an appointment with the Coordinator of International Programs to coordinate this process.

There is no need to apply for readmission if you received an Official Withdrawal (W grades) for the semester prior to the one in which you would like to return to the university.

**When to Apply**

Former students seeking to be readmitted can apply to be reviewed for the Spring or Fall 2023 semesters. The application is available online at esu.edu/apply. We recommend that you apply well in advance of the semester start to allow time to register for classes and, if applicable, complete the financial aid process, make payments, obtain housing, etc.

**Admission Notification**

- Applicants will receive communication throughout the admission process via the email address they provided on the application.
- Applicants should keep their address updated with ESU and check their inbox and spam folders. Email any changes to admission@esu.edu with your full name and ID number.
- Admissions decisions may be communicated by email and/or postal mail. Applicants can also check their status online at esu.edu/appstatus for real-time updates.

**Non-degree Students**

Typically, non-degree students are those who wish to take courses for personal enrichment, certification or to meet pre-acceptance requirements for entry into a graduate degree program. A non-degree student is permitted to take courses at ESU, but is not admitted to any degree-granting program. Non-degree seeking students are not eligible to receive Financial Aid.

Others who may be considered for non-degree status are:

1. Students enrolled in degree programs at other universities who wish to earn credit to transfer to their home institution;
2. Eligible senior citizens (see "Senior Citizens"); and
3. High school students who wish to enroll for courses while attending high school (see "Dual Enrollment")

Individuals who are interested in applying as non-degree students must complete a Non-Degree application found at www.esu.edu/apply.

**When to Apply**

Prospective non-degree applicants can apply starting July 2021 to be reviewed for the Spring or Fall 2022 semesters. The application is available online at esu.edu/apply.

**Admission Notification**

- Applicants will receive communication throughout the admission process via the email address they provided on the application.
- Applicants should keep their address updated with ESU and check their inbox and spam folders. Email any changes to admission@esu.edu with your full name and ID number.
- Admissions decisions may be communicated by email and/or postal mail. Applicants can also check their status online for real-time updates.

**Senior Citizens**

Pennsylvania residents 60 years of age or older with at least one year of legal residence in the state, who are retired, may enroll as non-degree students. Course registration is on the basis of space available and is processed as a course audit request. Fees will be charged, but tuition will be waived. Please refer to the "Non-Degree Student" section for application information. For financial and billing questions contact The Student Enrollment Center at 570-422-2800.

**Dual Enrollment**

High school students who seek to enroll in courses at ESU while attending high school must complete an online dual enrollment application. High school dual enrollment students are considered non-degree students and are not eligible for financial aid. There is a special tuition rate for high school dual enrollment students of $50 per credit (the average course is 3
Dual enrollment students are only able to register for selected courses. See ESU’s dual enrollment website for the most up-to-date offerings. Those with questions about dual enrollment should contact the Office of Admissions at 570-422-3542.

Dual enrollment admission requirements are similar to those for freshman applicants:
1. An official high school transcript reflecting a 3.0 unweighted high school GPA or higher.
2. Official SAT score of 1030 or higher and/or ACT composite score of 22 or higher or a PSAT score of 980 or higher.
3. Approval form or letter from the high school guidance counselor, to include approval of applicant’s parents/guardian.

International Students
The Office of International Programs provides services and advocacy for international students. We offer assistance with United States Citizenship and Immigration Services (USCIS) procedures, particularly for visa status maintenance and employment options. Additionally, we provide pre-enrollment orientation for new students, adjustment workshops for continuing students, and re-entry workshops for graduating students. We also coordinate access for international students to both University and external resources, for insurance, banking, social security, and daily life needs.

Contact Information:
Steve Ives - Manager International Study Programs
Stroud Hall 103
(570) 422-3527 / (570) 422-3579 (Fax) / sives@esu.edu

Who is an International Applicant?
International students are applicants who are not United States citizens or permanent resident aliens. All international students must apply using the online international freshman or transfer application. Students who have attempted 12 or more credits at any post-secondary institution after high school graduation are considered transfer applicants.

When to Apply
Prospective international students can apply starting in July 2022 for the Spring or Fall 2023 semesters. The application is available online at esu.edu/apply. Applicants should apply early so that information necessary for preparation of their non-immigrant student visa can be secured and processed.

Deadline for Applying
Spring 2023 Semester November 1, 2022
Fall 2023 Semester May 2, 2023

Application Requirements and Review Process
1. Completed International Student Undergraduate Application (online only) at esu.edu/apply.
2. $25 application fee paid online.
3. Completed Financial Support Statement with supporting documentation such as bank statements, employer sponsor letter, or scholarship/fellowship/assistantship letter.
4. All secondary and post-secondary academic records, including official evaluations from an agency that is an approved member of the National Association of Credential Evaluation Services.
5. Results of the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) - Not required if English is your native or primary language.
6. Completed “Promise to Provide Room and Board” form if anyone will be providing room and board for you while a student at ESU.
7. If you are already in the United States, you must send a copy of all printed sides of the current I-20 or DS-2020.

All application materials and supporting documents must be mailed to the Office of Admission, International Undergraduate Admission, 200 Prospect Street, East Stroudsburg University, East Stroudsburg PA 18301 USA by the established deadlines.

Academic Transcripts
A certified (official) copy of all educational credentials (transcripts) from all secondary or post-secondary institution attended must be submitted. If non-English credentials, a certified literal translation must be submitted with all documents.

Educational Credential Evaluations
**All students who apply for admission to the ESU with transcripts from a foreign secondary or post-secondary educational institution will be required to submit an official educational credential evaluation.
Below is a list of some evaluation companies. This is not a comprehensive list of all authorized evaluation companies. ESU prefers that students use the services of companies that are approved members of the National Association of Credential Evaluation Services.

*All of the companies listed below are current members of NACES.*
World Education Services, Inc.
International Education Research Foundation, Inc.
Foreign Academic Credential Service, Inc.
Educational Credential Evaluators, Inc.
Education Evaluators International, Inc.
SpanTran Educational Services

English Proficiency
TOEFL: All non-native speakers of English are required to take the Test of English as a Foreign Language (TOEFL) administered by the Education Testing Service (ETS). Scores should be sent directly from ETS. A minimum score of 550 (paper-based), 213 (computer version), or 79 (internet-based) is required for admission to East Stroudsburg University.

IELTS: Applicants may also take the International English Language Testing System (IELTS) test. A minimum band score of 6.0 is required for admission to ESU.

Notification of Admission
- Applicants will receive communication throughout the admission process via the email address provided on the application.
- Applicants should keep their address updated with ESU and check their inbox and spam folders. Email any changes to admission@esu.edu with your full name and ID number (found on all communication).
- Admissions decisions are communicated in writing by email and/or postal mail. Applicants can also check their status online for real-time updates.
- For the Spring 2023 semester, applications will be reviewed beginning in November and applicants will be notified by December. For the Fall 2023 semester, applications will be reviewed beginning in February and applicants will be notified by May.
- Those offered admission will be provided an application for Student (F-1) Visa Status (Form I-20): Certificate of Eligibility for Nonimmigrant
Student Status along with instructions regarding entry into the U.S., change of status (if necessary), and new student orientation (fall semester only).
Tuition and Fees

Financial Obligation
Students, parents and others who are responsible for the financial obligations of students at East Stroudsburg University should understand that acceptance of admission and the privilege of attending imposes a financial obligation for a complete semester. Neither non-attendance, non-payment, nor failure to attend class constitutes official withdrawal. This must be done through the Student Enrollment Center using the appropriate form(s).

Students who register online or in person can check their class schedule through the myESU student portal to confirm their registration. A semester/session e-bill will be sent to the student’s ESU email. Students will be held financially liable for their registration unless it is officially canceled when the student contacts the Student Enrollment Center. Non-payment of fees or other financial obligations will prevent a student from being allowed to register for subsequent academic work and from receiving any official transcript of their academic record or diploma from the university.

Should the university find it necessary to refer a delinquent account to a collection agency or to an attorney, the cost of collection including attorney’s fees, if incurred, may be added to the student’s financial obligation.

Student Payment Policy
A student attending a course without proper registration and payment of all tuition and fees does not constitute de facto enrollment. The university will not permit retroactive enrollment in or payment for any class after the end of the term in which the course is offered. This policy was made effective with the beginning of the fall 1997 semester.

Tuition and Fees
NOTE: Subject to change by the university. Updates will be posted on the website.
• All required tuition and fees are listed and defined on our website.
• For Undergraduate Program Tuition and Fees see Student Billing at esu.edu/tuition

Guidelines for Resident Status for Students
(Title 22 Pennsylvania Code, Section 153.1)
A student is classified as a Pennsylvania resident for tuition purposes if the student has a Pennsylvania domicile. A domicile is the place where one intends to and does, in fact, permanently reside. Because this decision is an administrative determination, documentary evidence must be submitted to the Student Enrollment Center for consideration. Students who believe that they are qualified for in-state residency and those who would like to be made aware of the determining factors should contact the Student Enrollment Center. Each case will be decided on the basis of all facts submitted if the student is not satisfied with the decision made by the university in response to the challenge, the student may make a written appeal to the Office of the Chancellor, State System of Higher Education, Dixon University Center, 2986 North Second Street, Harrisburg, PA 17110. The decision on the challenge is final.

Payment Information
Payments may be made online, via mail, or in person the Student Enrollment Center in Zimbar-Liljenstein Hall. ESU accepts bank or personal checks, debit cards and cash in office. Payments accepted on line are VISA, MasterCard, Discover and American Express, as well as electronic checks.

Delinquent Accounts
No student shall be enrolled, graduated, or granted a transcript of records or diploma until all previous charges have been paid.

Refund Policies

Return of Title IV Funds Policy
Federal regulations require Title IV financial aid funds to be awarded under the assumption that a student will attend the institution for the entire period in which federal assistance was awarded. When a student withdraws from all courses for any reason, including medical withdrawals, he/she may no longer be eligible for the full amount of Title IV funds that he/she was originally scheduled to receive. The return of funds is based upon the premise that students earn their financial aid in proportion to the amount of time in which they are enrolled. A pro-rated schedule is used to determine the amount of federal student aid funds he/she will have earned at the time of the withdrawal. Thus, a student who withdraws in the second week of classes has earned less of his/her financial aid than a student who withdraws in the seventh week. Once 60% of the semester is completed, a student is considered to have earned all of his/her financial aid, and will not be required to return any funds.

Federal law requires schools to calculate how much federal financial aid a student has earned if that student completely withdraws, stops attending before completing the semester, or does not complete all sessions or parts of term (i.e. courses which are not scheduled for the entire semester or payment period for which he/she has registered at the time those sessions/parts of term began).

Based on this calculation, East Stroudsburg University students who receive federal financial aid and do not complete their classes during a semester or term, could be responsible for repaying a portion of the aid they received. Students who do not begin attendance must repay all financial aid disbursed for the term.

Returns are allocated in the following order:
• Unsubsidized Federal Direct Loans
• Subsidized Federal Direct Loans
• Federal Perkins Loans
• Federal Direct PLUS (Parent) Loans
• Federal Pell Grants for which a Return of Funds is required
• Federal Supplemental Opportunity Grants for which a Return of Funds is required
• Other assistance under this Title IV for which a Return of Funds is required (e.g. LEAP)

Students who receive federal financial aid must “earn” the aid they receive by staying enrolled in classes. The amount of federal financial aid assistance the student earns is on a pro-rated basis. Students who withdraw or do not complete all registered classes during the semester may be required to return some of the financial aid they were awarded. Institutions are required to determine the percentage of Title IV aid “earned” by the student, and to return the unearned portion to the appropriate aid programs. Regulations require schools to perform calculations within 30 days from the date the school determines a student’s complete withdrawal. The school must return the funds within 45 days of the calculation. The Return of Title IV aid calculation process and return of funds is completed by the Office of Student Financial Aid.
For example, if a student completes 30 percent of the payment period, they earn 30 percent of the aid they were originally scheduled to receive. This means that 70 percent of the scheduled award remain “unearned” and must be returned to the federal government. Once 60% of the semester is completed, a student is considered to have earned all of his/her financial aid and will not be required to return any federal funds. If you have been a recipient of a Federal Student Loan you must complete the exit counseling at www.studentloans.gov. You can find comprehensive information about your financial aid at www.nslds.ed.gov.

**General Information**

There is a 100% refund if courses are dropped before the semester begins. Students who officially withdraw completely from the university will be reimbursed according to the following schedule:

<table>
<thead>
<tr>
<th>Week</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Week</td>
<td>100%</td>
</tr>
<tr>
<td>Second Week</td>
<td>80%</td>
</tr>
<tr>
<td>Third Week</td>
<td>60%</td>
</tr>
<tr>
<td>Fourth Week</td>
<td>50%</td>
</tr>
<tr>
<td>Fifth Week</td>
<td>40%</td>
</tr>
<tr>
<td>Sixth Week and after</td>
<td>No refund due</td>
</tr>
</tbody>
</table>

Room and Board refunds are pro-rated weekly according to the actual usage of services. Federal guidelines for the pro-rating of student financial aid awards to students who totally withdraw from the university partway through a term usually do not coincide with the above refund policy. Students contemplating withdrawal from the university should first contact the Student Enrollment Center to discuss the impact on their financial aid. Any balance due will become immediately payable to the university.

Refunds are not given on individual course withdrawals after the end of the drop period.

**Meals**

A student who officially withdraws after the beginning of a semester and who notifies the Student Enrollment Center will be entitled to a refund of the board paid for the remainder of the semester. A student who withdraws during a week will be charged for the entire week.

**Summer Session**

Refunds of fees for a student who withdraws on the first and second day of class is calculated at 100%. There are no refunds after the second day of class due to the intense nature of summer sessions. A portion or all of a student’s aid may be returned to the lender based on the withdrawal as it was not fully earned. The amount due will then become the responsibility of the student. We strongly urge students who receive any aid, who are considering withdrawing from a course or courses to speak to a Financial Aid counselor to confirm the implications of a withdrawal.
Financial Aid

Financial aid is designed to help families offset the cost of a post-secondary education. A student’s financial aid package can be made up of grants and scholarships, which do not have to be repaid; loans, which must be repaid with interest; and student employment, which allows students to earn money.

**General Eligibility Requirements**
In general, to be eligible for federal financial aid, a student must:
- Be a citizen or permanent resident of the United States
- Have a high school diploma or an equivalent
- Be matriculated at East Stroudsburg University and be enrolled in a degree (non-degree students are not eligible for financial aid);
- Maintain satisfactory academic progress to remain eligible for financial aid.

**Application Process**
East Stroudsburg University students interested in receiving financial aid must complete the Free Application for Federal Student Aid (FAFSA) to be considered for a Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (FSEOG), Federal and University Student Employment, and the Federal William D. Ford Direct Loan Program, which includes the subsidized and unsubsidized Federal Direct Loan, Federal Parent PLUS Loan, and Graduate PLUS Loan.

You may apply online by visiting the Department of Education’s website at www.studentaid.gov to complete your FAFSA. The FAFSA can be completed beginning October 1 for the following academic year. If applying for Federal Direct Loans, first-time borrowers are required to complete Entrance Counseling as well as a Master Promissory Note (MPN). Both may be completed online at www.studentloans.gov. No disbursements are credited to the student’s account until these requirements have been satisfied.

Pennsylvania residents will automatically be considered for the Pennsylvania State Grant if the FAFSA and the PHEAA Application are completed. The student must have the federal school code for ESU listed on both the FAFSA and the PHEAA Application to be considered for eligibility. The deadline for consideration for the PA State Grant is May 1st. In some cases, the Pennsylvania Higher Education Assistance Agency (PHEAA) may request additional information.

**Financial Need**
Financial aid is awarded on the basis of financial need, which is the difference between the total estimated cost of attendance (COA) and expected family contribution (EFC).

A financial aid budget (COA) is assigned to each student. This budget reflects tuition, fees, room, board, books, personal expenses and transportation.

The EFC is calculated by the U.S. Federal Processor using information submitted by the student and/or family on the FAFSA. This information is put through a series of congressionally mandated formulas. The EFC is made up of both a student contribution (SC) and a parent contribution (PC). This EFC only applies to the academic year of the FAFSA and a new FAFSA must be completed for each academic year. The EFC is a guideline used in determining your eligibility for financial aid and does not reflect the actual amount that must be paid by the student and/or the student’s family.

**Verification Requirements**
Verification is the process of comparing the data provided on the Free Application for Federal Student Aid (FAFSA) with other requested documentation such as a tax return transcript. Some of the selection process is random. However, students may be selected because the information on the FAFSA is either inconsistent or likely to have been estimated.

If a FAFSA is selected for verification the student will be sent instructions to begin the process, which can be completed online. If you have any questions or concerns about the verification process you can contact the Office of Financial Aid.

Once the verification process is complete the student’s federal financial aid can be processed. Failure to complete the verification process will result in the cancellation of all federal financial aid, and may result in an outstanding balance on the student’s account. Verification may also result in a revision to any aid awarded prior to the completion of the verification process.

**Payment of Financial Aid**
Financial aid awards are credited directly to the student’s university account each semester. Refunds from financial aid will not become available until the student’s university account is satisfied. Students should plan to arrive on campus with enough personal money to purchase books and pay any off-campus housing expenses.

**Forms of Financial Assistance**

**Grants**
- **Federal Pell Grants** are available to undergraduates who are pursuing their first baccalaureate degree. Eligibility is determined from the information submitted on the FAFSA.
- **Pennsylvania State Grants** are awarded to undergraduate students who are residents of Pennsylvania by PHEAA. The award value is determined by PHEAA and is based upon the financial need of the applicant.
- **Federal Supplemental Educational Opportunity Grants (FSEOG)** is available to Pell-eligible students who demonstrate exceptional financial need as determined by the information on the FAFSA.

**Loans**
- **William D. Ford Federal Direct Loan** offered by the federal government includes both subsidized and unsubsidized Direct Loans. Eligibility for the subsidized Federal Direct Loan is determined on the basis of need as determined by the FAFSA and requires no payment of principal until six months after the student ceases half-time enrollment, withdraws, or graduates. Subsidized Federal Direct Loans do not accrue interest during periods of enrollment and the six-month grace period. Unsubsidized Direct Loans accrue interest starting from the day of disbursement and during the six-month grace period. A Direct Loan origination fee will be deducted from each disbursement prior to the loan being applied to a student bill.
The following chart shows Direct Loan amounts based on credits earned:

<table>
<thead>
<tr>
<th>Credits</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-29</td>
<td>$5,500</td>
</tr>
<tr>
<td>30-59</td>
<td>$6,500</td>
</tr>
<tr>
<td>60-89</td>
<td>$7,500</td>
</tr>
<tr>
<td>90 &amp; over</td>
<td>$7,500</td>
</tr>
</tbody>
</table>

**Additional Unsubsidized Federal Direct Loan funds** are available to independent undergraduate students. Freshmen and sophomores may receive up to $4,000, while juniors and seniors may be awarded up to $5,000. Dependent students whose parents have been denied a Federal Direct PLUS Loan may also be awarded these additional unsubsidized funds.

**Federal Direct PLUS Loans** are available to parents who have no adverse credit history. Repayment of a PLUS loan generally begins within 60 days of disbursement.

**University Student Employment**

**Student Employment** provides an opportunity for students to earn money for personal expenses. Campus employment consists of the federal work-study and state student employment programs. Students usually work 10 hours per week and are paid every other week.

**Community Service Learning (CSL)** work opportunities are available to students who demonstrate a financial need according to the FAFSA. Under this program, students provide services to off-campus non-profit agencies that include activities in the fields of health care, literacy training, education, welfare, social services, and neighborhood and community improvement.

**Other Sources**

**Athletic Grants-In-Aid** are awarded in accordance with intercollegiate athletics as a Division II institution and NCAA rules and regulations. Interested students should contact their respective coaches.

**Scholarships**, based upon a variety of achievements and talents, are available at East Stroudsburg University. Funds for the various scholarship areas are made available through donations by private industry, faculty, staff, and community contributions and through private endorsements.

**Satisfactory Academic Progress (SAP) Policy**

A student must maintain satisfactory academic progress (SAP) to continue to receive Federal Title IV financial aid. Federal financial aid includes Federal PELL grant, Federal SEOG, Federal Work Study, Federal Direct Loans (subsidized and unsubsidized), Federal Direct PLUS loan, and Federal Graduate PLUS loan.

The Standards of Federal Satisfactory Academic Progress (SAP) include Grade Point Average, percentage of cumulative credits earned, and a maximum time frame measurement. If one of the measures is not being met, the student is not making SAP and thus becomes ineligible for federal financial aid. All periods of enrollment are included whether or not the student received federal financial aid during that time. SAP will be measured yearly at the end of the spring semester. Winter enrollment will be counted in your spring calculations.

**Undergraduate Students**

A student must meet all of the following requirements in order to be making satisfactory academic progress (SAP) for federal financial aid. ESU measures SAP annually at the end of the spring semester.

**Qualitative Standard: Cumulative Grade Point Average (CGPA)**

- ESU looks at the cumulative GPA that is considered to be in good academic standing. A 2.0 CGPA is required to maintain federal aid eligibility.

**Quantitative Standard: Pace Rate**

The Pass Rate is determined by the percentage of total attempted credits that were successfully earned.

- Students must successfully earn a minimum of 66.67% of the attempted credits.
- Pace Rate is calculated by dividing the cumulative credit hours earned by the total credits attempted.

**Maximum Time Frame:**

- Undergraduate students are limited to a total of 180 attempted credits towards their first undergraduate degree for financial aid purposes. This is 150% of total credit hours required to complete an Undergraduate Degree.

**Program Completion**

Once the student completes all the academic requirements for his or her program, the student is considered to have completed the degree program and is no longer eligible for further federal aid for that program. Students who fail to meet satisfactory progress at the end of each academic year shall lose federal financial aid eligibility. If the student resumes satisfactory academic progress, the student shall regain federal financial aid eligibility as long as she/he maintains satisfactory academic progress. The maximum time frame for Pennsylvania State grant eligibility is the equivalent of 8 full-time semesters.

**Federal Financial Aid Appeal Process**

- If, at the end of each academic year, a student is still not meeting SAP requirements, the student may submit an appeal based on extenuating circumstances. Examples of extenuating circumstances are personal illness or injury, a death of a close relative, or other special circumstances. The written appeal can be completed on the myESU portal and must outline the reasons that satisfactory progress was not met, what has changed that will allow the minimum standards to be met and how the student plans to improve his/her academic progress (i.e. academic plan).
- If the appeal is approved by the Satisfactory Academic Progress Committee, the student regains federal financial aid eligibility as long as she/he maintains satisfactory academic progress.
- If the appeal is denied, the student will not be eligible for federal financial aid until s/he is meeting satisfactory academic progress standards.

**Academic Forgiveness**

All academic coursework taken by a student in attendance at East Stroudsburg University must be included in determining federal SAP. This federal SAP policy is exclusive of any East Stroudsburg University academic policy related to re-admission and GPA calculation.

**Transfer Credits**

Transfer credits accepted toward the student’s current program (including consortium agreements and Study Abroad courses) are counted in both
cumulative credits attempted and cumulative credits completed. Grades earned in transfer credits are not included in cumulative GPA.

Eliminating Deficiencies
If a student is deficient in credits and/or GPA at the end of the academic year, summer school classes may be used to eliminate the deficiency. No federal financial aid will be provided to help defray summer costs. Summer work need not be completed at ESU, but students should be aware that:

- Transient clearance must be obtained prior to taking courses elsewhere to ensure that these credits will be accepted at ESU.
- Courses taken elsewhere will not affect the GPA. If the student’s deficiency is in GPA, taking courses at another institution will not make up that deficiency. The only exception is students participating in the PASSHE Visiting Student program.
### Academic Advisement

A faculty member from the student’s major department serves as the academic adviser throughout the student’s career at the university. The Advising Office for Undeclared Students serves all students who are undecided by providing academic advising and guidance in selecting a major. The office will help students choose a career path of interest to them and declare a major that will help them achieve their career goal. The Advising Office also provides academic advising and course selection assistance during the weeks prior to and during all pre-registration periods.

For further information, call 570-422-3164 or visit esu.edu/advising.

### Academic Enrichment and Learning

The Department of Academic Enrichment and Learning includes the following programs: The Learning Center, Office for Advising for Undeclared Students, Advising for Students in Warrior Success, and the University Wide Tutorial Program. Students are invited to drop in at the Learning Center, located in Rosenkrans East, to find out more about academic support services that may enhance their academic development. Visit esu.edu/academicenrichment.

### ATM Services

ATM services provided by Pennsylvania State Employees Credit Union (PSECU) are located just outside the ground floor of the University Center between the University Center and the Keystone Room, as well as in the lobby of Dansbury Commons.

### Campus Activities Board (CAB)

The Campus Activities Board (CAB) is a student organization responsible for a wide variety of activities and events for the enrichment of the East Stroudsburg University community. The organization presents a diverse and unique program schedule of quality educational, cultural, social, and recreational programs throughout the academic year.

CAB consists of nine executive board members who meet weekly during the semester to coordinate the various activities. The executive board consists of the four officers and five committee chairpersons. The four committees are: Big Events, Performances, Out and About, and Special Events. CAB is also involved with planning and promoting activities during Welcome Week, Family Weekend, Homecoming, and Global Week.

Students who serve on the Campus Activities Board develop strong leadership skills and gain practical experience while having a great time and making new friends in the process.

### Campus Card Center

The Campus Card Center, located on the ground floor of the University Center, provides ESU students and employees with both a campus identification card (E-Card) and a convenient, easy, and safe way to make purchases and use services on and off campus. The E-Card provides electronic access to a declining balance (debit) account that can be used for the payment of certain items/services in the bookstore, vending machines, library, and campus dining facilities. The off-campus sites that currently accept the E-Card include Burger King, Cluck-U Chicken, and CVS. Students may also use it to gain access to their residence hall and the Recreation Centers. Deposits may be made online, please visit the esu.edu/ecard website or for further information, call 570-422-CARD or 1-800-556-8116.

### Campus Ministry and Spirituality

Campus Ministry and Spirituality at ESU is supported through the Office of Student Affairs. Campus Ministry and Spirituality (CM & S) is made up of a variety of religious, spiritual, and religious advocacy groups at the University. Its mission, both ecumenical and interfaith in nature, fosters an environment conducive to spiritual growth and development. CM & S assists students in networking with local churches, places of worship, local clergy, and on-campus religious and advocacy groups.

For more information, call 570-422-3463

### Campus Rec & Wellness

ESU’s Campus Rec & Wellness department provides a safe, rewarding and educational environment designed to promote holistic lifestyles through physical fitness activity, formal and informal competition, leadership development, academic partnerships and opportunities for professional, social and career growth. Guided by Core Values, innovative and diverse programming, and state of the art facilities, the Center’s spirited and committed staff pride themselves in fostering an atmosphere of empowerment that leads to the healthy development of the whole person.

In addition to programming, the department employs over 75 students who are directly responsible for the operation of the facilities and programs.

**Facilities:** The Campus Rec & Wellness department operates two student recreation facilities on campus. Completed in August 2003, the Mattioli Recreation Center is a 58,000 square foot facility on the south side of campus. The building features a four-court arena for basketball, volleyball, and tennis; a fitness center with cardio, selectorized and free weight equipment; a multipurpose studio; elevated track; locker and shower facilities; an alternative fitness area that includes indoor rowers, Jacobs Ladder, and a boxing zone that features a speed bag and heavy bag; and racquetball courts. The second facility, RecB, is located in the lower level of Hawthorn Suites. The facility is open to all of campus and has a separate entrance from the main residence hall. The 15,000-square-foot fitness center was opened in February 2012 and features cardiovascular, selectorized and free weight equipment, functional training zone, multipurpose studio, indoor cycling studio, locker and shower facilities and a offices for personal training and wellness.

**Group Fitness:** Group Fitness Program is designed for Campus Rec & Wellness members who are looking for an organized workout. General classes are free of charge to members and on a first come first serve basis. The Center’s premier class, Warrior Cycling, is offered at a nominal fee. Every class is led by student instructors who have qualified to teach. A new group fitness schedule is published at the beginning and middle of each semester.

**Special Events:** Special events are designed for students to enjoy unique programs in a fun and social setting. Many of the special events are one-night tournaments that expose students to new and exciting sports as well as educational events to support healthy lifestyle choices. Some of the programs include racquetball, Late Night at the REC, wallyball, tennis, badminton, cornhole, Rec-Ex 5K, gaga ball and wiffleball.

**Personal Training:** A personal fitness service run by qualified fitness staff that will help you to identify priorities and achieve your health and fitness goals. A range of personal fitness services are offered at a nominal fee.

**Wellbeing:** This program serves as a resource to support individuals in their pursuit of optimal health and wellbeing. Through programs, events and presentation, the health and wellness needs of students, faculty and staff are proactively addressed. For more information on programs, services, hours of operation, policies and procedures, visit esu.edu/therec or call the Mattioli Recreation Center's Service Desk at 570-422-2970.
Career and Workforce Development
Located on the top floor of the University Center, the center provides career counseling and educational programs which will empower undergraduate and graduate students, and alumni, to make satisfying career choices, develop career plans and take action to achieve their professional preparation and career goals. Students should start their career planning during their first year and should contact the center to make an appointment or visit www.esu.edu/careerdevelopment. Services provided include career counseling, preparation of resumes and cover letters, and interviewing skills. An online career management system www.esu.edu/warriorcareers enables students and alumni to explore internships, and part-time and full-time professional job listings. Assistance is offered with graduate school applications, essays and personal statements. The center also coordinates workshops, career days, job fairs, and on-campus recruitment with employers. Innovative tools and educational materials are offered on the Career Development website.

Child Care Center
The Rose Mekeel Child Care Center, Inc. is accredited by the National Association for the Education of Young Children, a Keystone Star 4 program and licensed by the Department of Public Welfare. The center is available to students, faculty and staff of the university. The remaining spaces are filled by the community. The center is staffed by an Executive Director, Group supervisors, and assistant group supervisors. This facility is open from 7:45 a.m.-5 p.m. (Monday to Friday) during the fall, spring, and summer sessions. The program is a hands-on, developmentally appropriate program for children between 12 months and 5 years of age. Call 570-422-3514 for information about enrollment and fees.

Commuter Student Services
Commuting and off-campus students comprise the predominant population of the university. ESU, in addressing the needs of the commuter student population, offers various academic and student services, including. For more information please visit www.esu.edu/commuter or call 570-422-3384.

Commuter Council
The Commuter Council is an organization on campus composed of students like you who mobilize efforts to engage the commuter student population in ongoing activities and represent your needs to the campus administration. To learn more visit www.esu.edu/commuter. Services include: Meetings: Commuter Council meets once a week to plan events and talk about issues that need representation and advocacy. Events and Activities: Commuter Council has monthly activities, including retreats and socials, to engage the commuter population at ESU. Commuter Lounge: The Commuter Lounge is located in the University Center on the first floor. The lounge is equipped with a television, microwave, and plenty of study and relaxation space. Lockers are also located in the lounge. The locker rental is free for students but students must register with the University Center Information Desk to be assigned a locker.

Counseling and Psychological Services (CAPS)
The Office of Counseling and Psychological Services (CAPS) offers a wide range of counseling services to facilitate and enhance the educational, psychological, and interpersonal well-being of the East Stroudsburg University student community. The services provided are designed to maximize students’ personal, psychological and educational functioning, to prevent and remediate emotional/social problems, to help students attain their educational goals, and to promote their professional competence. Services offered include individual and group counseling/psychotherapy, vocational counseling, developmental and outreach programming, and consultation services. Urgent/Crisis hours are available on an as-needed basis. CAPS actively promotes students’ cultural awareness and sensitivity toward diversity issues, particularly with outreach programming initiatives.

Some of the issues students often address through counseling include anxiety, career exploration/indecision, depression, suicidal thinking, difficulties in interpersonal relationships, eating disorders, family concerns, self-doubt, sexual concerns and substance abuse.

CAPS is staffed with licensed psychologists/counselors. Their professional training and experience prepare them to deal with a wide range of issues faced by university students. Currently enrolled students are eligible to receive services that are free of charge. All information shared by a client is kept confidential, and all client records are classified as confidential records. Without a client’s written permission, no information is released to anyone outside of CAPS, except as required by law.

CAPS is located in Sycamore Suites in the lower level at 304 Normal Street. Hours of operation are 8 a.m. to 4:30 p.m. Monday through Friday. Services generally are offered by appointment and may be scheduled by stopping at the office in-person or by calling 570-422-3277. For additional information, visit esu.edu/caps.

Dance Program
The university provides several options for those interested in dance. The minor in dance is open to all students. The University Dance Company is a select group of 15-25 students, chosen by audition, who produce a performance each semester with choreography by faculty, guest artists and students in ballet, contemporary, jazz, and other dance styles. The ESU Contemporary Dancers is a student organization open to all students regardless of background, and produces recitals choreographed and performed by students. The Dance Team performs hip-hop and jazz dance during sports events. All of these organizations are open to all students.

Dean of Student Life
The Dean of Student Life leads the CARE program, designed to provide advocacy and resources to students. CARE’s mission is to develop personalized holistic action plan to promote self-growth and success. Through advocacy and engagement with university and community resources, students are supported in reaching their personal and educational goals.

Dining Services
ESU Dining Services offers a wide variety of diverse, well-balanced meal choices to students and community members in an inviting dining atmosphere. Aramark, a contracted food service, facilities and uniform company, provides the dining experience for the ESU community. While resident students in the traditional halls and suites are required to have meal plan, students living off campus are strong participants in our dining program. Commuter students are invited to purchase either a meal plan or Dining Dollars to make dining on campus more convenient for their needs. Meal plans and Dining Dollars may be purchased in Dansbury Commons as well as in the Residential and Dining Services central office. Students with special nutritional needs are encouraged to contact a Dining Services manager to discuss their dining needs and customized dietary options.

Food Service Venues
Dansbury Commons is our all-you-care-to-eat facility at the heart of campus. Also known as “The Cafe”, Dansbury Commons offers many home cooked favorites such as oven baked pizza, pasta, waffles, hand crafted
sandwiches, burgers and more. Dansbury Commons offers a number of monotonous breakers throughout the semester, from weekly new recipe tastings with our Executive Chef, to premium nights that offer a wide variety of upscale entrees for guest to purchase. The ESU culinary team is committed to offering innovative menus that highlight cultural inclusivity for all patrons. Dansbury Commons is open to any guest who cares to dine at this “all you care to eat” campus restaurant, for one low, set price.

Dansbury P.O.D. [Provisions on Demand] combines a corner store experience with the style of a modern market, featuring grab 'n go, hot entrees, snacks and bottled beverages. Located at the entrance of Dansbury Commons, students take advantage of the convenience of the access operation.

Starbucks ESU is conveniently located in Lower Dansbury Commons. Starbucks Coffee is the world's largest specialty coffee chain, offering more than 30 blends and single-origin coffees as well as bakery goods, sandwiches and merchandise.

Food 4 Thought is a grab and go retail operation conveniently located in the Kemp Library. Students are able to enjoy a hand crafted espresso beverage, Tazo tea, or blended Frappuccino. You can also choose from a variety of top quality pastries and baked goods. Enjoy homemade soups, Grab & Go sandwiches, wraps, and parfaits, as well as a variety of snacks and bottled beverages for your convenience.

Center Court is located on the main level of University Center and offers quick made to order options for the ESU community. With Burger Studio, Topio’s Pizza, Warrior Wraps Sandwich Shack, or Greens to Go with homemade soups, baked goods and grab and go offerings, Center Court has whatever you’re craving!

S.T.C. [Harry’s] Café is located in the Science and Technology Center and features quiet seating, fresh brewed Peet’s coffee, hot breakfast sandwiches bagels, grab & go wraps, salads, and homemade soups.

Fraternities and Sororities
The organizations that comprise the fraternity and sorority system provide a wide variety of educational, social, academic, philanthropic and leadership activities, events and programs for ESU students. The ESU fraternities and sororities are self-governing and work together to benefit and support the university and the surrounding community. The Interfraternity Council (IFC), College Panhellenic Council (CHP), and Cultural Greek Council (CGC) are the governing bodies that represent all fraternal organizations at ESU and provide cultural, social and educational programs and events for the ESU student community. At the beginning of each semester, fraternities and sororities conduct recruitment events for the purpose of selecting new members. University policy does not allow for first-time, full-time students (freshmen) to be recruited into or to join fraternities or sororities. For more information about FSL and a list of recognized fraternities or sororities eligible to extend invitations to membership, visit www.esu.edu/greek.

Gender and Sexuality Center
Founded in Fall 2018, the Gender and Sexuality Center is housed in the lower level of the University Center, room G-7. Complete with relaxing social and study space, staff offices, and a resource library, the Center's mission is to encourage ESU community members to discuss and reflect upon the myriad ways that these two interrelated identities influence our lives. Grounded in an intersectional perspective, the GSC's programs and services range from the organization of campus-wide events such as LGBT History Month and Women's History Month, training opportunities like the ESU Safe Zone program, and supporting different student organizations and groups to ensure that ESU is a warm and welcoming space for all individuals to engage.

Intercollegiate Athletics
The Department of Intercollegiate Athletics, in partnership with the Student Affairs Division of East Stroudsburg University, provides a diverse program of athletics with adherence to all University, PSAC, and NCAA rules. All participants and spectators will be served in an environment of equality, dignity and mutual respect.

Schedules for 22 sport teams for men and women are arranged on a seasonal basis for fall, winter and spring:
**Fall**
Men: Cross Country, Football, Soccer
Women: Cross Country, Field Hockey, Volleyball, Soccer

**Winter**
Men: Basketball, Indoor Track and Field, Wrestling
Women: Basketball, Indoor Track and Field, Swimming, Wrestling

**Spring**
Men: Baseball, Outdoor Track and Field
Women: Acrobatics and Tumbling, Golf, Lacrosse, Softball, Tennis, Outdoor Track and Field

Facilities: Athletic activities take place in and on a variety of campus athletic fields. The main outdoor athletic facility, Eiler-Martin Stadium, has an all-weather track, turf, lights and seating space for approximately 6,000 spectators. The LeRoy J. Koehler Fieldhouse is the main indoor facility and has an indoor track, pool, weight rooms, tennis, basketball and volleyball courts.

As part of the university’s effort to ensure compliance with the Higher Education Act and Equity in Athletics Disclosure Act, the Gender Equity Survey Report is on file in the Offices of Intercollegiate Athletics and the Enrollment Services Office. This report contains information on participation and financial support as it pertains to East Stroudsburg University’s intercollegiate athletics program.

Marching Band, Jazz Band and Concert Band
These large performing groups are open to all university and community instrumentalists with previous experience in high school or college ensembles. The ensembles rehearse for two hours one night a week and will perform pieces of standard literature. Public performances will occur at the end of each semester.

Students involved in the Marching Band must participate in Band Camp the week prior to the beginning of the fall semester. The band performs at all home football games, select away games and marching exhibitions. For more information on Warrior Marching Band, students may contact the band’s Musical Director at (570) 422-3759, or contact the Marching Band student leadership through the organization’s Facebook page - ESU Warrior Marching Band.

New Student Programs
Orientation
Orientation is the most important summer program that assists incoming students and their parents in transitioning to the university experience. Academic information and placement testing, university success strategies, discussions with faculty members, administration, staff members, and student leaders, various presentations about university resources, and interactive activities, all assist in developing a comfort level that can be gained only by participation in orientation. Meeting and
getting to know other incoming students and parents is also an integral part of university enculturation. Multiple orientation days are scheduled each summer in June and July.

New transfer students have the option of participating in the one-day orientation, a Transfer Day that is an individualized approach to meeting each transfer student’s particular needs, or both. Transfer students receive a Transfer Credit Evaluation (TCE) at a meeting with a transfer specialist and a meeting with his/her academic department advisor. In addition, a student guide orients each transfer student to any and all areas of interest at the university.

To continue to provide new students with the information and resources needed for a smooth transition to university life, fall orientation, a three-day and evening event, provides a variety of activities, educational sessions, group discussions, and social opportunities over Move-In Weekend in August. Reminders from summer orientation and new topics that are designed to enable new students to successfully fulfill their university responsibilities are held. Culminating fall orientation is Academic Convocation, the formal opening of the academic year for new students, followed by a picnic and the first mentor-mentee program of the fall semester.

**Warrior Induction**

Warrior Induction, a three day and evening event, provides a variety of activities, educational sessions, group discussions, and social opportunities needed for a smooth transition to university life. Culminating Warrior Induction is the all university picnic, which calls the entire campus to come together before the semester begins.

**New Student Mentors**

Upperclassmen mentors can help new students become successful at the university. Orientation leaders serve as mentors to new, first-semester students. Mentors enable new students to: understand and meet the academic responsibilities associated with university-level classes, access university resources, wisely manage their time at the university level, become involved in productive co-curricular opportunities, build positive relationships with peers, faculty, staff, and the community beyond the university, and discover the unique possibilities afforded them as members of the university community.

**Academic Convocation**

Academic Convocation is a ceremonial occasion which marks the formal opening of the academic year. It is the time when the university officially welcomes the new class of students and focuses on the academic mission. Academic Convocation introduces the new class to the dignity of university ceremonies and academic regalia, the organizational structure of the university and the individuals who serve in leadership positions, the president of the Faculty Association and faculty leadership, the president of the Student Senate and outstanding student leaders, and the Alma Mater and ESU Promise.

The highlight of the Convocation is the speaker, typically a recent graduate or current student, who speaks to the new class about academic achievement, scholarly opportunities, and expectations for new students. Academic Convocation brings the new class of students together for the first time to focus on academic excellence and scholarly engagement.

**Fall Orientation**

Summer orientation is the beginning of a new student’s introduction to the university. To continue to provide new students with the information and resources needed for a smooth transition to university life, a variety of activities, interdisciplinary studies, first learn experience workshops, and group meetings are held just prior to the opening of the academic year in August. Reminders from summer orientation and new topics that are designed to enable new students to successfully fulfill their university responsibilities are held.

**Office of Accessible Services Individualized for Students (OASIS)**

East Stroudsburg University of Pennsylvania believes that an individual’s access to opportunities for achievement and personal fulfillment must be determined solely on the basis of the person’s ability and interest. OASIS [Office of Accessible Services Individualized for Students] at East Stroudsburg University of Pennsylvania provides accommodations and services to students with documented disabilities (i.e., specific learning disabilities, attention-deficit/hyperactivity disorder, chronic illnesses, mobility impairments, deaf/hard of hearing, blind/low vision, psychiatric disabilities, traumatic brain injuries and other disabilities not specified) that result in substantial limitation of a major life activity. The faculty members in OASIS provide basic services and facilities accommodations for eligible students with disabilities who self-identify with a disability, provide appropriate supporting documentation and request services. Students who request accommodations are responsible for initiating the process with OASIS and for requesting academic or environmental accommodations. OASIS asks that individuals requesting services (accommodations and/or access) complete the online Accommodations Request Form, including a description of the student’s disability, the disability’s likely impact on your educational experiences and the successful use of accommodations in the past. This form is available on the OASIS webpage.

Academic accommodations allow equal access to academic programs and include classroom and assessment accommodations, and are based on the evaluation process, a student’s course of study and current functional limitations. The evaluation process includes a review of the self-disclosure and request form, supporting documentation, an interview with the student, and the assessment of the student’s program of study during the first semester the student requests services. In order to fully evaluate requests for accommodations or adjustments OASIS requests supporting documentation, which can be valuable in the deliberative process of providing accommodations and/or access to the educational environment. Supporting documentation can include medical records, psycho-educational testing, school records that specify the impact the disability has on physical, perceptual, cognitive, and behavioral activities, and/or past records of accommodations and services.

Intake interviews usually occur within two weeks of the submission of request and sufficient documentation. During this interview, accommodations and assistive technology needs are determined. The OASIS also provides an Assistive Technologist, who is available to instruct students in various assistive technologies to help students with their academic studies. After the interview meeting with the faculty member in the OASIS, the student and their current professors are granted electronic access to their letter of accommodation listing the academic accommodations and/or assistive technology the student is entitled to use for each class.

Some frequently used academic accommodations and assistive technology devices include, but are not limited to:

- Extended time on exam
- Student note taking
- Reader/scribe for exams
- Exams taken on computer

For eligible students with disabilities who self-identify with a disability, the disability’s likely impact on your educational experiences and the successful use of accommodations in the past. This form is available on the OASIS webpage.
• Textbooks in alternative format
• Computer access programs

Environmental accommodations provide equal access to facilities and may include housing and parking accommodations. Environmental accommodations are based on a student’s current functional limitations and the evaluative process. Please review the procedure to receive services for more information. All personal services (attendant care, transportation on/to campus, etc.) and equipment (e.g., wheelchairs, hearing aids) are the responsibility of each student and will not be provided by OASIS.

East Stroudsburg University is the home of the Alpha Chapter of Delta Alpha Pi (DAP) International Honor Society, established in 2004. It is the first honorary designed specifically to recognize the academic accomplishments of college and university students with disabilities. Undergraduate students who have completed a minimum of 24 credits and earned a quality point average of 3.1 are eligible for membership in DAP. Delta Alpha Pi has 65 chapters nationwide.

OASIS is located at Sycamore Suites in the lower level at 304 Normal Street. Normal hours of operation are 8 a.m. to 4:30 p.m. Monday through Friday. Services generally are offered by appointment and may be scheduled by stopping at the office in-person or by calling 570-422-3954. For additional information, visit esu.edu/oasis.

**Office of Student Engagement**
The Office of Student Engagement fosters leadership, synergy, and community at ESU through holistic, diverse, and innovative programs and service opportunities which dynamically enhances the Warrior experience. We offer engagement opportunities in four areas:

**Social:** We offer weekly activities with performers, talent showcases, interactive games and themed events, including the Warrior Den, hosted every Friday at 8:00pm in the University Center.

**Leadership:** Leadserve is an online platform where student organizations can request leadership trainings in 10 different topics with dozens of options to choose from.

**Civic Engagement:** Student Engagement offers an annual Alternative Spring Break, and recurring service brigades in the tri-state area where students can give back directly to the community.

**Diversity:** Student Engagement leads Global Week, our largest campus-wide initiative for diversity and social justice programming, as well as support initiatives like Hispanic, Black, and Native American History Months, along with Coming Out Week. For more information call 570.422.3291 or visit esu.edu/saa

**Publications/Media**

**Calliope - ESU’s Literary Magazine**
Calliope produces ESU’s student-edited literary magazine, as well as the Calliope online literary journal.

**Radio Station (WESS FM)**

Students have the opportunity to gain experience in radio by working at WESS (90.3 FM), the student-operated radio station. The station’s format is “diversified” and includes vintage radio shows, BBC news, sports, talk shows, as well as many genres of music such as alternative, classical, rap, and modern rock.

---

**Stroud Courier**
The *Stroud Courier* is the student-funded campus newspaper. The staff consists of students interested in all facets of journalism, who are responsible for each aspect of publication including news writing and editing, feature writing, sports reporting, photography, and layout. The *Stroud Courier* covers issues, events, and activities on campus, the surrounding area, and the world.

**Student Handbook**
The Student Handbook, which is prepared bi-annually by the Office of Student Affairs, is a compendium of information about the various phases of life on campus. The handbook is available online and provides students with information concerning campus services, co-curricular groups and activities, as well as the official regulations, standards and policies of the campus.

**Residential Life and Housing**

**Housing**
Campus housing features one traditional residence hall, three suite-style residence halls, the University Ridge, and the University Apartments complexes. They are equipped with lounges, kitchens, laundry and vending facilities, as well as living areas. Specific rules and regulations governing the residence halls are published and made available each year in the Student Handbook. All residence halls are smoke-free.

First-year students are required to live on campus, unless they commute from their parent’s/legal guardian’s home within a 45 mile radius from campus. Housing on campus is provided on a combined room-and-board basis only (except for the university Ridge and the University Apartments, where a meal plan is not required.)

**Residence Hall Association**
The Residence Hall Association is comprised of a 9 member elected executive board. In addition, each residence hall has an elected community board that serve the interest of their students. Each board is responsible for sending representatives to the Residence Hall Association meetings. This representative group of men and women works toward enhancing residence life for students. It assists in formulating official standards and operational policies for residence halls, provides meaningful social activities, establishes programs of educational enrichment in the residence halls, and participates in various community service projects.

**Social, Cultural Activities and Global Week**
The university offers a variety of social activities and opportunities for the campus community. Programs are sponsored throughout the year to enhance the quality of student life. Guest speakers on contemporary topics or controversial messages often visit the campus. Theatrical events and recitals featuring students and faculty are produced annually. Films, comedy shows, and concerts are also held throughout the year. In addition, a wide variety of intercollegiate, Recreation Center league, and club sports are available. Finally, major events such as Welcome Week, Family Weekend, Homecoming, Community on the Quad and Greek Week round out the social calendar. Visit esu.edu/events for completing listing.

**Speech and Hearing Center**
The Speech and Hearing Clinic, located in Monroe Hall, is operated by the Department of Communication Sciences and Disorders in connection with its clinical training program. Students provide therapy while being
supervised by faculty who hold appropriate clinical certification and licensure.

Services provided by the clinic include evaluation and therapy in the following areas:
- Speech/articulation disorders
- Developmental language disorders
- Aphasia resulting from head injury or stroke
- Voice disorders
- Laryngectomy
- Cleft palate
- Stuttering
- Foreign accent reduction
- Communication problems resulting from hearing loss

Complete audiologic evaluations are available. Therapy is conducted in rooms that are observable via a closed circuit system. Families of clients are encouraged to observe therapy so that they may better help the clients at home.

Clients at the clinic include members of the community, children attending the Mekeel Child Care Center, and students and employees of the university. Both evaluation and therapy are free with the exception of auditory process testing. Anyone interested in clinic services should contact the clinic director at 570-422-3247.

**Standards of Behavior**
The mission and objectives of the university include a serious concern for the overall development of the individual. This philosophy implies that all students maintain high personal standards and conduct themselves in a manner which manifests not only intellectual and emotional growth but also personal and social development. The basic standards of behavior are outlined in the Student Handbook under the Student Code of Conduct.

**Stony Acres**
Stony Acres, a 119-acre recreation area owned by the ESU Student Activity Association, is located just nine miles north of the university in Marshalls Creek. It is open from dawn to dusk for general use by the ESU community. A multipurpose lodge, six cabins, a climbing tower, a challenge course, a camping equipment program and a variety of activities including canoeing, camping, frisbee golf course, cross country skiing, ice skating, hiking, fishing, and picnicking have made Stony Acres a popular spot year round. The Stony Acres lodge is available free to campus organizations for meetings, workshops and other programs. Information is also available on the Stony Acres website.

**Student Government**
The Student Government Association consists of elected student officials and represents the student body in issues related to campus life. Senators from each class serve on committees concerned with academic affairs, social activities, clubs and organizations, student rights and responsibilities, etc.

**Student Health Services**
East Stroudsburg University strongly recommends that students submit the Report of Medical History form, which includes Immunization history prior to entrance to the university. The form can be downloaded from the Health Services website or Incoming Student Portal. There are many areas of study that will require this information including education, health sciences (such as nursing, psychology, speech and hearing, athletic training, and exercise science), and many internships and other academic experiential placements. It is highly recommended that students gather this important information and submit it to avoid postponements in class schedules.

The university has partnered with Lehigh Valley Hospital Network-Pocono which is part of the Lehigh Valley Health Network to provide student health services at a convenient location adjacent to campus. The services are provided as part of the student comprehensive health fee and can be accessed through a swipe of a student’s E-card. Basic services include medical evaluation; treatment for minor illnesses and injuries; referrals to off-campus health care specialists and support services; women’s health services; tuberculosis testing; physical examinations for employment, driver’s licenses and teacher certification; testing, treatment and education for sexual health concerns; and health education and information about illnesses. Chronic conditions or major health issues are referred to the student’s personal physician or to a local specialist. Serious accidents and injuries are referred to the LVHN-Pocono Emergency Room. In cases where referral is necessary to either the student’s physician, a specialist, the hospital emergency room or other medical facility, the costs incurred must be borne by the student. Fees for any medical treatment not provided in the center or diagnostic testing, such as lab tests, X-rays, etc. are also the responsibility of the student.

The East Stroudsburg University Health Services at Lehigh Valley Health Network-Pocono maintains a formulary where many routine prescription medications are available when ordered by the health care provider at reduced cost or free as part of the comprehensive health services fee. However, students are encouraged to bring a credit card to cover the nominal cost of elective services, supplies or prescription medications. Special prescriptions can be written when needed; however, costs for these must be borne by the student when filling prescription at the pharmacy. A self-care area with over-the-counter medications and supplies is also available at no additional fee.

Pennsylvania law requires all students residing in university owned housing to have received the meningitis vaccination or be informed of the risks and benefits of the vaccine. This is to be completed when submitting the housing application or during residence hall check in.

**Location:**
ESU Health Services at LVH-Pocono
Express Care Entrance
200 E. Brown Street
East Stroudsburg, PA

**Service Hours:**
ESU students only: Mon.-Fri.: 8 a.m.-5 p.m., Weekends: Noon-4 p.m.
ESU students and community patients: Mon.-Fri.: 5-8 p.m., Weekends: 8 a.m.-noon; 4-8 p.m.

**No appointment necessary**

**Student Organizations**
Approximately 100 clubs and organizations have been created as a result of student interest. Many of these groups are funded by the Student Activity Association. The scope of these organizations is widely varied, including publications, athletics, drama, music, service, social, academic/career related, cultural, recreation, and academic honoraries.

**Telecommunication Service**
Resident students are provided digital cable TV service, Internet, and wireless Internet. Students must provide their own digital TV and co-axial cable to hook up to the service. Students should bring an Ethernet cable to access the wired internet. Students are not permitted to bring routers or wireless printers.

**Theatre Program**
The university provides a comprehensive program in theatre with a major and a minor as well as numerous classes and production opportunities.
Transportation Options
Commuter students have various transportation options at ESU. Students must register their personal vehicles with the University Police and receive a parking decal. This decal enables the student to park in designated parking areas for commuters. Other options for travel to and from campus follow below:

**University Shuttle** – A shuttle service is available on campus and operates Monday through Friday when classes are in session. It stops at University Ridge as well as other designated locations around the campus.

**Local Bus Service** – The Monroe County Transit Authority (MCTA) has a local bus route that runs through campus and has various pick-up points and designated bus stops in East Stroudsburg, Stroudsburg, Tannersville, and Mount Pocono. The transit services extend as far as Snydersville and Effort. For more information on bus schedules, areas of transit and bus passes, contact MCTA at 570-839-6282 or stop by the Office of Commuter Student Services for schedule guides.

University Store
The University Store is located on the ground floor of the University Center. The store sells a variety of quality goods and services at equitable prices to the students, faculty, staff and alumni of the university. The primary function of the store is to provide the university community with course books, new, used, digital, rental and course supplies that support the academic mission. The faculty and store cooperate in the process of making course books available to students. Store revenue helps support student groups, sports teams, and organizations.

The store offers the following products: general books, school supplies, computer supplies, special order laptops, stationery, campus apparel, gift cards, greeting cards, glassware, class rings, and assorted imprinted items. The store also offers the following services: fax, online textbook reservation, special orders for clothing, and imprinted giftware.

Store hours, during the academic year while classes are in session, are Monday through Friday, 8:00 a.m. - 5:00 p.m. and Saturday, 11:00 a.m. - 3:00 p.m. At the beginning of the semesters, the store is open additional evening hours to better serve the students’ needs. Please visit our website at www.esu.bncollege.com or call us at 570-422-BOOK.

Veterans Center
The ESU Student Veteran Center is a one-stop location where student veterans can get assistance with veteran benefits, transcripts, and financial aid. The Veterans Certifying Official, located in the ESU Veterans Center, has delegated authority to submit educational enrollment certifications and other certification documents and reports relating to veterans and their dependents that are eligible for Veterans Administration education benefits.

The center is located in Zimbar-Liljenstein Hall, Room 160. The Veteran Center is open Monday through Friday from 8:00 a.m. to 4:30 p.m. The center is open to all ESU veterans and their dependents. The center is equipped with comfortable furniture, TV, refrigerator, microwave, and computer work areas with Internet access. For more information regarding veterans services, please visit our website at www.esu.edu/va, or call 570-422-2812.

**Warrior Tutoring Center**
The University-Wide Tutorial Program provides individual, group, and walk-in peer tutoring, as well as Learning Assistants for high fail rate courses, for the entire university community. The program is located in the Warrior Tutoring Center in Rosenkrans East. The Center has tutoring spaces, a quiet study space with access to Smart Board technology, and an open computer lab.

**Writing Studio**
Located on the first floor of Kemp Library, the Writing Studio helps students draft, revise, and complete their writing assignments, all in a comfortable, cozy environment.

Students will improve their writing through every stage of the writing process with:

- Guided practice
- Helpful tips and motivation
- Workshops
- One-to-one tutoring sessions
- Handouts and resources

Computers, quiet work space, and tutoring are all available. For more information, visit www.esu.edu/writingstudio.
University Academic Initiatives

University Academic Initiatives consist of six university-wide academic services and programs aimed at ensuring the academic success of all students. The goal of these initiatives is to achieve greater rates of student persistence, higher levels of student learning, more effective use of existing resources and more information for students and advisers.

**Academic Research**
Faculty in nearly every university department participate in scholarly activities including original research and creative endeavors, and student participation is often an integral part of such activities.

Students who participate with faculty in creative activities and research experience are often set apart from others in the job market and application to graduate school.

The university supports these activities by providing academic credit, space and monetary support for materials, logistics and travel to conferences through a variety of funding sources. Successful faculty and students regularly attend regional and national conferences.

**American Democracy Project at ESU**
The American Democracy Project at ESU is part of a national multi-campus initiative that seeks to create an intellectual and experimental understanding of civic engagement for students enrolled at institutions that are members of the American Association of State Colleges and Universities (AASCU).

The goal of this non-partisan project is to produce graduates who understand and are committed to engaging in meaningful actions as citizens in a democratic republic. East Stroudsburg University has been an active participant in this initiative since 2003.

Operating with support from the Office of the Provost, ADP at ESU supports and creates opportunities for student and faculty participation in the development of a campus-wide culture of democratic dispositions and practices.

ADP, often in conjunction with other campus and community partners including The New York Times, organizes and sponsors activities as voter registration drives, as well as such civic education events as Constitution Day celebrations in September of each year, debates and forums on important civic issues, surveys of campus attitudes and mock legislative events.

*For more information about the ADP at ESU contact the campus co-coordinator Dr. Adam McGlynn at amcglynn@esu.edu or co-coordinator Dr. Christopher Brooks in the Department of History at cbrooks@esu.edu.*

**Office of Sponsored Projects and Research**
The Office of Sponsored Programs and Research (OSPR) provides students with opportunities to participate in grants and sponsored research. The office supports faculty, students and staff in all phases of their externally funded grants and research opportunities. The OSPR works closely with the office of the Provost in identifying, applying for, and receiving grants funds, and conducting research or other scholarly activities.

**Service Learning**
The Service Learning initiative seeks to expand opportunities to apply classroom knowledge in meeting the social needs of the community in a broader quest for the common good.

This is accomplished through an experiential approach to teaching and learning that can be implemented in courses within a variety of academic disciplines that incorporate leadership development, civic literacy, or the development of critical thinking as it relates to society.

Service Learning, whether through short- or long-term service projects, affords students the opportunity to integrate theory into practice, apply practical skills, and raise awareness about community issues.

Through real-life experience, Service Learning recognizes the reciprocal relationship between the campus and those being served, thereby encouraging students to embrace their role as vested community members while helping the community see the promise in ESU students.

**Summer Seminar for Outstanding Sophomore Students**
Students beginning or early in their sophomore year compete for the opportunity to participate in special late summer one-credit special topics seminars.

The one-week seminar includes the conduct of independent, innovative projects as well as two special events that often involve travel, and mentor training.

There is no cost to the selected students. Subsequent to the seminar, students serve as mentors to six entering freshmen during the fall semester.

**University Honors Program**
The University Honors Program offers ESU’s best students the opportunity to fulfill a part of the general education requirements with special honors courses.

Unique features of the honors courses include a maximum class size of 20, specially selected professors, customized curricula, and close teaching-learning relationships in and out of the classroom. Honors courses provide a stimulating introduction to the various aspects of our social, cultural, and scientific heritage.

Each student has an honors adviser in addition to an academic adviser. In the junior year, students complete an honors thesis project within the department of their major. Honors students have access to the campus’ honors house for honors activities and quiet study.

Honors students are entitled to register for courses ahead of other students and are eligible for honors scholarships, international summer study scholarships, special recognition at graduation and on the official university transcript, and membership in the Honors Student Association. Special attention and assistance in preparing graduate school applications and job applications are available from the program director and honors adviser.

*For more information, visit www.esu.edu/honors.*
Special Academic Opportunities

Accelerated Pathways
A number of undergraduate programs offer an accelerated pathway to a graduate degree for students. These pathways may allow an undergraduate student, who meets certain requirements, to take graduate coursework that will count towards the completion of both a Bachelor’s and Master’s degree in their chosen program. Each academic department determines the number of graduate credits that can be taken and a maximum of 40% of graduate credits may be used for undergraduate degree requirements.

An accelerated pathway student may be provisionally accepted into the respective graduate program and formally admitted upon completion of their undergraduate degree provided all other graduate admission requirements have been met. For a complete list of graduate program admission requirements please see the Graduate catalog. 

STANDARDS FOR ENTRY TO ACCELERATED PROGRAM
Students must have attained junior status [60 or more credits] and have a minimum cumulative GPA of 3.00 prior to taking any graduate courses. If an intended graduate program requires a higher GPA, the student must meet the higher GPA before taking graduate courses.

GRADES
A student must have obtained a grade of “B” or higher in the graduate course in order for it to count towards the graduate degree program, while a grade of “C” or higher is necessary in order for it to count towards the undergraduate degree program.

Each accelerated pathway has different requirements which can be found in the Undergraduate catalog under the associate Bachelor’s program. Students are encouraged to meet with their academic advisors before electing to participate in the accelerated pathway. The current accelerated pathway options are:

- BS, Athletic Training to MS, Athletic Training
- BS, Biology to MS, Biology
- BA, Communication to MA, Communication
- BA, English to MA, Professional and Digital Media Writing
- BS, Exercise Science to MS, Clinical Exercise Physiology, MS, Exercise Science, or
- BA, History to MA, History
- BA, Political Science to MS, Management and Leadership-Public Administration, MA, Political Science, or
- BS, Public Health to MPH, Community Health
- BS, Sports Management to MS, Management and Leadership-Sports Management, MS, Sports Management, or

Air Force ROTC
East Stroudsburg University students are eligible to participate in the Air Force Reserve Officer Training Corps (AFROTC) through a cross-enrollment agreement with Wilkes University. Courses in this program will be taught at Wilkes University.

For additional information, contact the Aerospace Studies Department at Wilkes University, 800-WILKES-U, extension 4860 or 4861.

Army ROTC
East Stroudsburg University offers students the opportunity to participate in Army ROTC through a partnership with the Northeast Pennsylvania (NEPA) Army Reserve Officer Training Corps (ROTC) Battalion. The program is managed by the Department of Leadership Studies and Military Science in the College of Business and Management.

Economic Development and Entrepreneurship
The Economic Development and Entrepreneurship division offers students experience in the areas of entrepreneurship, workforce development, internships, grants and sponsored research. For additional information, call 570-422-7920 or esu.edu/ede

Entrepreneurship

- **Business Accelerator Program** - The ESU Business Accelerator Program provides an entrepreneurial environment that encourages innovation and supports business start-ups. Students interested in starting a business benefit from business plan assistance, networking, funding, and opportunities to work with early-stage companies.

- **Entrepreneurship Leadership Center (ELC)** - The ELC provides the resources and tools to bridge the gap between a student business idea and the creation of a new company. Students from all majors can participate in mentoring sessions and business plan competitions. The ELC also coordinates the university’s Web-Based Internship Network (WIN).

- **The Entrepreneurship Club** - This is a student organization of innovative like-minded student entrepreneurs who are engaged in developing creative business ideas. Students collaborate with business owners, faculty and staff, and have the opportunity to meet with local entrepreneurs and investors.

- **The Office of Workforce Development** - This office provides client companies with workforce development resources and customized training programs, including educational opportunities offered through the university. Client companies also provide students with internships, externships, and graduate assistantships.

International Programs/Student Exchange

- **Foreign Exchange Program**
  In the past several years, ESU has established partnerships with a number of institutions around the world, including, but not limited to:
  - Shenyang Normal University, China
  - Shanghai Normal University, China
  - Henan University, China
  - Nanyang Institute of Technology, China
  - Beijing Sport University, China
  - Shanghai University of Sport, China
  - Universidad de Jaén, Spain
University of Wuppertal, Germany
Aalen University of Applied Sciences, Germany
Fontys University of Applied Sciences, Netherlands
Universidad de Iberoamérica (UNIBE), Costa Rica

ESU is working with these institutions in various capacities, but our focus is on bringing international students to campus to diversify our student body and to create more opportunities for ESU students to study abroad, whether it is for a short-term summer program or for a semester abroad program.

Study Abroad

Study abroad opportunities are available to students who wish to study in a foreign university and experience life in another culture. Students may choose to participate in one of ESU’s many international programs or a program sponsored by universities in the Pennsylvania State System of Higher Education. Information on academic programs, internship and volunteering opportunities abroad is available in the Office of International Programs.

Students will receive advising about choosing a suitable program, securing academic progress while abroad and having a smooth re-entry into ESU upon return.

For further information and application deadlines, please contact the Office of International Programs at 570-422-3527 or visit our website at www.esu.edu/studyabroad.

Internship Opportunities

Internships are available to students in most majors; academic credit may be awarded for the internship experience. Information regarding specific opportunities may be obtained by contacting department chairs or the deans of the College of Arts and Sciences; College of Health Sciences; College of Business and Management; and College of Education. A list of organizations with which university students have recently interned, student taught, and volunteered is available in the offices of the college deans.

Students considering an international internship may contact the Office of International Programs at 570-422-3527.

The Harrisburg Internship Semester (THIS)

During each semester of the academic year, East Stroudsburg University selects two undergraduate students to participate in The Harrisburg Internship Semester (THIS), sponsored by the State System of Higher Education and administered by the Dixon University Center in Harrisburg. Students selected are placed with policy makers in state government offices and agencies. Each THIS intern earns 15 credits: nine credits for the internship program, three credits for a research project, and three credits for participating in an academic seminar. A stipend covers tuition and living expenses. To be eligible to apply, a student must have maintained a 3.1 GPA in at least 60 credits. However, students with 90 or more credits are given priority. These internships are available to students from all majors who are interested in public policy aspects of their disciplines.

For application materials or more information, contact the THIS campus coordinator, Dr. Andrea McClanahan, at 570-422-3697.

Law School Express Admissions Program

East Stroudsburg University has entered a partnership with Widener University School of Law in Harrisburg that allows graduates to apply to the law school under an Express Admissions Program. East Stroudsburg University graduates are guaranteed admission to the law school if they rank in the top 50 percent of their graduating class, score at or above the 50th percentile on the Law School Admission Test (LSAT), submit a timely application, and meet the law school’s character and fitness requirements. East Stroudsburg University graduates admitted under this program are also eligible for Dixon Scholarships that cover 30 percent of the law school’s tuition.

For further information contact Dr. Chris Brooks at 570-422-3913.

Marine Science Consortium

The university is a member of the Marine Science Consortium which provides students in Marine Science and related disciplines with access to a marine station for field trips, summer courses, and research. The Consortium’s field station at Wallops Island, Va., is only a short distance from Chincoteague and Assateague islands, which are well-known for their abundant wildlife.

For more information, see the Biological Sciences section in the Degree Programs and Course Descriptions portion of this catalog.

Pre-College Dual Enrollment Program

The Pre-college Dual Enrollment Program provides high school students the opportunity to begin their college careers early, on either a part-time or full-time basis. The part-time (summer or regular academic year) student is a high school junior or senior who wishes to take one or two courses at East Stroudsburg University (ESU) in order to enrich his/her high school program.

To be eligible for the program students must:
• Have an overall minimum B average or higher in a college preparatory program
• Be recommended (written letter) to ESU’s program by their guidance counselor
OR
• Students with less than an overall B average, but who have demonstrated a minimum B average in a particular subject, may be recommended by their guidance counselor (written letter) to pursue coursework in that subject area.

Recommendation letters should be mailed to the Office of Undergraduate Admission. Students are admitted to ESU in a non-degree status. Students who wish to matriculate as degree-seeking at ESU after high school graduation must apply during the senior year of high school using the regular freshman application.

The full-time student is a student who has completed his/her junior year in high school and wishes to enroll in a full course of study at East Stroudsburg University in lieu of the senior year in high school. Such students must rank in the top 10 percent of their class and be enrolled in a college preparatory curriculum in order to be considered. Full details are available from the Office of Admission or on the freshman information page of the admissions website at www.esu.edu.

Summer Sessions

Summer at ESU is a time to choose from a number of special programs, including innovative and stimulating courses, workshops, and travel
programs. Undergraduate students wishing to accelerate and complete the four-year college program in three calendar years may do so by completing summer sessions over a period of three years. Graduate and non-matriculated students have the opportunity to take varied courses to acquire academic credit and professional competencies.

For information on courses, expenses and general regulations, visit esu.edu/summer

**Upward Bound**

Upward Bound is a highly successful, college-based program of rigorous academic instruction, individualized tutoring and counseling for high school students who are the first generation in their families to consider post-secondary education.

A federally funded TRIO program, Upward Bound is designed to motivate and prepare students to successfully graduate from high school, enter and graduate from college. During the six-week summer program, students live on campus and participate in an intensive academic program. During the academic year, students receive academic instruction, tutoring, counseling and SAT preparation on Saturdays at the university.

For further information, call 570-422-3476.
University Requirements

Minimum Requirements for Conferral of a Baccalaureate Degree from East Stroudsburg University.
A matriculating student will be recommended for graduation once the following requirements have been satisfied. These represent the minimum requirements to complete a program of study – specific programs may have higher requirements for completion.

CREDIT REQUIREMENT: 120 Credits
CUMULATIVE GPA: 2.0
ADVANCED COURSES: 42 Credits [ADVD]
UPPER-LEVEL COURSES: 30 Credits from courses level 300 and above
CREDITS AT ESU: 30 of the last 60 credits

• Waiver of Requirement: This requirement may be waived upon approval of the student’s adviser, major department chair, and academic dean.
• Programs that require off-senior-level experiences at other schools are automatically exemptions from this requirement
• Academic departments may set a minimum number of credits in residence as part of major requirements

ENGLISH COMPOSITION: Grade of ‘C’ or better in ENGL 103 [English Composition] or equivalent coursework
• Must be taken within the first 45 credits

MATH COMPETENCY: 3 credits of college-level mathematics
• Must be taken within the first 60 credits
• See Mathematical Skills Competency for more information

MAJOR REQUIREMENT(S): Completion of all courses required by the major/minor
• Fulfillment of any additional requirements or competencies required by a particular department or college

GENERAL EDUCATION: Completion of all general education (GN) requirements based on a student’s catalog year
• See General Education Webpage for more information
Basic Mathematical Skills Competency

Every undergraduate student who is seeking a first bachelor's degree must demonstrate a basic level of competency in mathematics as a condition for continuing enrollment at East Stroudsburg University. Because the skills that a student demonstrates by satisfying this competency requirement are essential for a successful undergraduate experience, including satisfactory completion of collegiate level mathematics and quantitative reasoning-based requirements, the university requires that students demonstrate these skills early in their university attendance. Under no circumstances will a student graduate without having met this requirement. Following are means for meeting this requirement and a summary of the university's developmental approach to students who fail to meet this requirement in a timely fashion.

Means for Demonstrating Basic Mathematical Skills Competency

This competency may be demonstrated in any of the following ways:

1. A Math SAT score of 500 or higher;
2. A Pennsylvania System of School Assessment (PSSA) ranking of Proficient or Advanced on the Grade 11 Mathematics Exam;
3. A grade of 3 or higher in an AP Calculus or Statistics test;
4. A passing score on the "College Mathematics" CLEP test;
5. A grade of "C" or better in a mathematics transfer course that is applicable toward satisfying the East Stroudsburg University general education requirement in Science: Mathematics, and which was taken within five years of the date of admission;
6. A passing score on the ESU Basic Mathematics Competency Exam (Note: This exam may be attempted up to three times); or
7. A passing score on the ESU course MATH 090 Intermediate Algebra (for which the ESU Basic Mathematics Competency Exam is the final examination).

Criteria 1-5 above will satisfy competency only if completed within five years prior to the date of matriculation to East Stroudsburg University. If students have not satisfied the requirement based on SAT, AP or CLEP scores, PSSA ranking, or transfer credit, they will have an opportunity to take the Basic Mathematics Competency Exam during the summer orientation program. If students have not satisfied the competency requirement before the beginning of the first full-time semester, they should attempt the exam during the first semester of attendance. The exam is given during each semester for students who do not attend orientation or who fail the test during orientation.

Developmental Approach

Entering full-time students and full-time transfer students with fewer than 45 credits who have not satisfied the competency requirement will not be allowed to register or enroll in a third semester until they have formulated a plan for satisfying the requirement and had that plan approved by an appropriate academic authority (see Plans below).

If, by the end of the third semester of attendance, students still have not satisfied this requirement, they will be allowed to register and enroll in the next semester only if the course MATH 090 is included in their schedules. If, by the end of this fourth semester, students still have not satisfied this requirement, they will be permitted to register and enroll in ONLY MATH 090 until this requirement is met. See the requirements under “Entering and Transfer Students with Fewer Than 45 Credits Who Have Not Satisfied the Basic Mathematical Skills Competence Requirement,” below.

Students starting at ESU with 45 or more credits (as well as continuing and readmitted ESU students under previous catalogs) who have not satisfied the competency requirement will not be allowed to register or enroll in a second semester until they have formulated a plan for satisfying the requirement and had that plan approved by an appropriate academic authority (see Plans below).

If, by the end of the second semester of attendance, students still have not satisfied this requirement, they will be allowed to register and enroll in the next semester only if the course MATH 090 is included in their schedules. If, by the end of this third semester, students still have not satisfied this requirement, they will be permitted to register and enroll in ONLY MATH 090 until this requirement is met. See the requirements, below, under “Students Transferring to ESU with 45 or More Credits, Readmitted Students, and Students Continuing under Previous Catalog Students.”

Plans: Information concerning the process for requesting approval of a plan will be available from the Student Enrollment Center and the Department of Mathematics. University pre-approved model plans written in contract form are available from the student’s academic adviser.

Entering and transfer students with fewer than 45 credits who have not satisfied the Basic Mathematical Skills Competency Requirement:

First ESU Semester: Academic advisers review the math competency requirement with students who have not satisfied it and together they formulate a plan to satisfy the requirement no later than the end of the second semester.

Second ESU Semester: Students receive a letter notifying them that a "hold" has been placed on their registration. Students must formulate a plan for satisfying the requirement. The plan must be approved by the appropriate academic authority before the registration "hold" will be released.

Third ESU Semester: Students receive a letter notifying them that a "hold" has been placed on their registration. Students must include MATH 090 in their next semester's schedule and submit their schedules to the appropriate academic authority before the registration "hold" will be released.

Fourth ESU Semester: Students receive a letter notifying them that a "hold" has been placed on their registration. Students may enroll only in MATH 090 in the next semester. Schedules must be approved by the appropriate academic authority.

Students transferring to ESU with 45 or more credits, readmitted students, and students continuing under previous catalogs who have not satisfied the Basic Mathematical Skills Competency Requirement:

First ESU Semester for Transfers/First Semester Policy in Effect for Readmitted and Continuing Students: Students receive a letter notifying them that a "hold" has been placed on their registration. Students must formulate a plan for satisfying the requirement. The plan must be approved by the appropriate academic authority before the registration "hold" will be released.

Second ESU Semester for Transfers: Students receive a letter notifying them that a "hold" has been placed on their registration. Students must include MATH 090 in their next semester's schedule and submit their schedules to the appropriate academic authority before the registration "hold" will be released.

Third ESU Semester for Transfers: Students receive a letter notifying them that a "hold" has been placed on their registration. Students may enroll only in MATH 090 in the next semester. Schedules must be approved by the appropriate academic authority.
Foreign Language Competency Requirement for Certain Bachelor of Arts Degrees

The following foreign language competency is required for selected bachelor of arts degrees:

**Native speakers of English**

- Passing a foreign language competency examination offered by the Department of Modern Languages at a level equivalent to Language II with a grade of “C” or better.
- Completing a college course at the level of Language II with a grade of “C” or better.
- Passing the CLEP test.

CLEP results are listed as either a “raw score” or a “percentile.” The “raw scores” are translated on the test and indicate whether or not the student receives three credits. A “percentile” score of 50% or higher will result in the student receiving three credits.

- Passing the AP test with a score of “3” or higher.
- Transfer students who have successfully completed a course of foreign language study at Level II with a grade of “C” or better, within the last six years, will be considered as having satisfied this requirement.

**Native speakers of a language other than English**

- Will satisfy this requirement by successfully completing English Composition (ENGL 103) with a grade of “C” or better. Final determination of a student’s status as a native speaker of a language other than English shall be established by the Department of Modern Languages.

**Bachelor of Arts Degrees requiring foreign language proficiency at level II are:**

- Biochemistry
- Chemistry
- English
- Environmental Studies
- Mathematics
- Philosophy
- Psychology

The General Education Program

Beginning fall 2016, new students entering East Stroudsburg University will operate under the university’s newly revised General Education Program. (Students who entered East Stroudsburg University prior to Fall 2016 should refer to the General Education page of the ESU website for information about your General Education program including options available to you). All new students are required to complete 45 credits in General Education in addition to completing the requirements for the major field of study. Students will be assigned a faculty adviser who will provide guidance in planning their academic programs. Students are responsible for knowing and satisfying requirements for the degree they propose to earn including both General Education and major requirements, and for arranging their program of study accordingly. A minimum of 120 credits is required for graduation. Some programs require more.

The General Education program consists of a set of interrelated courses that together provide experiences for students that might not otherwise be provided by their respective degree programs. The university is particularly excited to offer all students an engaging First Year Experience course, a Wellness course, and embedded standards throughout the General Education curriculum designed to improve competencies and broaden perspectives.

These General Education Standards are aligned with the seven University Wide Student Learning Outcomes listed below, and encompass abilities that every graduate is expected to be able to demonstrate. Specifically, a graduate of East Stroudsburg University is expected to be able to:

I. Demonstrate an understanding of their role as citizens of a diverse, global society.
II. Utilize critical thinking skills.
III. Communicate orally, in writing, and through other formats.
IV. Demonstrate information literacy and technological skills.
V. Employ scientific reasoning and quantitative skills when analyzing the world in which they live.
VI. Create and/or critique various forms of artistic expression.
VII. Demonstrate understanding of and apply various models for the healthy development of the whole person.

The new General Education Program achieves such competencies through the intersection of specific course requirements, breadth requirements, and overlay requirements. The specific requirements of the program may be found below.

General Education Program Requirements

**Required Courses:**

- **English Composition (ENGL 103) (3 credits):**
  All students are placed in Elements of Writing (ENGL 101) or English Composition (ENGL 103) based upon their verbal SAT scores. Those placed in ENGL 101 must take and pass it before they can be admitted into ENGL 103. Students may be exempted from and receive credit for English Composition, ENGL 103, if they take and achieve a high score on the CLEP general examination in English Composition (with essay). Students must receive a minimum grade of “C” to fulfill the English Composition requirement. ENGL 103 must be completed during the first 45 credits of study at ESU.

- **First Year Experience Course (3 credits):**
  All students are required to successfully complete one of the university’s First Year Experience (FYE) courses prior to the culmination of their first year of study at ESU. Students transferring to ESU with at least 24 credits of accepted transfer credits may be exempted from and receive credit for this requirement. Transfer students who transfer at least 24 credits of coursework to ESU are exempted from the First Year Experience requirement. Students who transfer fewer than 24 credits of coursework but believe that they have taken a course equivalent to ESU’s First Year Experience course may apply to the First Year Experience Coordinating Committee to judge the equivalency of their course. Details regarding how to apply to the committee may be found on the General Education page of the ESU website.

- **Wellness Course (H) (3 credits):**
  Students must complete a three credit course satisfying the SLO VII requirement, “Understand various models for the healthy development of the whole person”. This course must be completed during their first 60 credits of study at ESU.

**Breadth Requirement (36 credits):**

Each student must complete at least 12 credits in each of three areas:

- Group A - Arts and Letters
- Group B - Science
- Group C - Social Science

In each group, the twelve credits earned must come from at least four distinct subject categories. Courses that satisfy the General Education (GN)
breadth requirements are identified as GN in department course listings. (Courses identified as GE serve to meet the requirements of the previous General Education program, but will not meet the requirements of the current program.) Additionally, course listings will be accompanied with Attribute codes (see below) that identify any Breadth requirement or Overlay/cognate requirements that the course satisfies. Students should meet with their faculty advisors to plan appropriate choices to meet these requirements. Some GN courses may have specific prerequisites.

Arts and Letters (Group A) 12 credits
1. English Language and Literature (AEL)
2. Fine Arts - Art, Communication, Dance, Music, and Theatre (AFA)
3. Modern Languages (AML)
4. Performing Arts - Communication, Dance, Music, and Theatre (APA)
5. Philosophy (APH)

Science (Group B) 12 credits
1. Biology (BBI)
2. Chemistry (BCH)
3. Computer Science (BCS)
4. Mathematics (BMA)
5. Physics (BPH)

Social Science (Group C) 12 credits
1. Economics (CED)
2. Geography (CGE)
3. History (CHI)
4. Political Science (CPS)
5. Sociology (CSO)

Exceptions to breadth requirements:
Science Courses: Where coursework in biology, chemistry, mathematics, or physics is required (or listed as recommended in the catalog) for the major, a student with a declared major may substitute those courses for courses in the same departments listed under Science Group B. If a student adopts the above provision and later changes his or her major to a field which does not require coursework in those disciplines, the student may nevertheless receive General Education credit for courses taken in those departments.

Modern Language Courses: Students may substitute a higher-level foreign language course taught in the language for courses listed under Modern Language Group A.

Overlay Requirements:
Overlay requirements will be embedded into courses across the University, including GN Breadth courses, courses within the major programs, and elective courses, and should not require that a student complete additional credits for graduation. Students and advisors should plan how to satisfy these overlay requirements.

Level II Writing (W2): Students must complete at least one course designated as meeting the Level II Writing requirement.

Level III Writing (W3): Students must complete at least one course designated as meeting the Level III Writing requirement.

Global Diversity and Citizenship (G): Students must complete at least one course certified as satisfying the SLO I requirement, "Demonstrate an understanding of their role as citizens of a diverse, global society.

Communication (C): Students must complete at least one course certified as meeting the SLO III requirement, "Communicate in a variety of media, including verbal, written, and/or visual expression.

Information Literacy (I): Students must complete at least one course certified as meeting the SLO IV requirement, "Demonstrate information literacy and technological skills".

Artistic Expression (A): Students must complete at least one course certified as meeting the SLO VI requirement, "Create and/or critique various forms of artistic expression".

Summary of General Education Requirements

Required Courses: (9 credits)
ENGL 103 (3 credits)
FYE course (3 credits)
Wellness course (H) (3 credits)

Breadth Requirement: (36 credits)
Group A - Arts and Letters (12 credits)
Must include at least 4 of the following:
   English Language and Literature (AEL)
   Fine Arts - Art, Communication, Dance, Music, Theatre (AFA)
   Modern Languages (AML)
   Performing Arts - Communication, Dance, Music, Theatre (APA)
   Philosophy (APH)

Group B - Science (12 credits)
Must include at least 4 of the following*:
   Biology (BBI)
   Chemistry (BCH)
   Computer Science (BCS)
   Mathematics (BMA)
   Physics (BPH)
   Psychology (BPS)
*One of the four must have completion of the Math Competency as a prerequisite

Group C - Social Science (12 credits)
Must include at least 4 of the following:
   Economics (CED)
   Geography (CGE)
   History (CHI)
   Political Science (CPS)
   Sociology (CSO)

Overlay Requirements:
Level II Writing requirement (W2)
Level III Writing requirement (W3)
Global Diversity and Citizenship requirement (G)
Communication requirement (C)
Information Literacy/Technology requirement (I)
Artistic Expression requirement (A)
Academic Regulations

As a condition of enrollment in East Stroudsburg University, every student is required to comply with the academic regulations. Students are expected to familiarize themselves with these regulations, and an assertion of ignorance of their provisions cannot be accepted as a basis for an exception to them. No student or group of students should expect to be warned individually to conform to any of the regulations contained in this publication. Students are advised to pay special attention to all deadlines given in the academic regulations. Students who have questions or concerns about these regulations should consult with their academic advisor.

Academic Standing

Academic Good Standing

A student at East Stroudsburg University must achieve a minimum cumulative grade point average (CGPA) of 2.00 to maintain satisfactory academic standing.

Dean’s List

Students at ESU are eligible for the Dean’s List at the end of each semester if they are pursuing a degree and have earned at least 12 credits with a term GPA of at least 3.500. At the end of each semester, the Dean’s List is made public.

Academic Warning

Regular matriculated students who are below the 2.00 QPA will be placed on academic warning. While on academic warning the student may not register for more than 13 credits in any semester or enroll in off-campus internships.

Academic Probation

Regular matriculated students who are on academic warning and do not raise their CGPA to 2.000 after one semester will be placed on academic probation and will be granted one semester to raise the CGPA to the required level. While on academic probation, the student may not register for more than 13 credits. Furthermore, students on academic probation are not eligible to compete or practice in intercollegiate athletics and may not enroll in off-campus internships.

Academic Dismissal

Students who fail to maintain a GPA of 2.20 or better each semester until their cumulative GPA has risen to the required level will be dismissed from the university for academic failure. At this time, they have the right to appeal to the Admissions Appeals Committee.

Appeal Process for Academic Dismissal

A student who has been dismissed from the university for academic failure may appeal the dismissal by submitting a letter to the Academic Standing Appeals Committee. This letter must include why the student was unsuccessful in previous academic experiences and why he or she feels that future academic endeavors will be successful. The committee will review the letter, review the academic record, and conduct an interview with the student, and then either uphold the dismissal or approve a reinstatement under stipulated conditions. A student whose Academic Dismissal appeal is approved returns to the university under Academic Probation (2) status.

Academic Forgiveness

Academic Forgiveness establishes an effective way to encourage capable, mature students to return to ESU after they have achieved poor grades during an earlier attempt at pursuing a degree at ESU. It applies to all undergraduate readmitted students who have not taken any coursework at ESU within the last three calendar years before the readmission semester. Forgiveness is only available for courses taken at ESU where grades of below a “C” were earned. Academic Forgiveness may impact a student’s state and federal financial aid eligibility. Students must complete the Academic Forgiveness Form and return to the Student Enrollment Center for review before the start of the readmit semester. This policy went into effect Fall 2013 and can be used by incoming readmitted students only.

Registration and Schedules

Registration is the method of ensuring continuous matriculation in an academic program. Students register for courses each semester for a subsequent semester and a student’s course schedule is regarded as a contract that determines official enrollment. Fall and Winter registration takes place in March/April. Spring/Summer registration takes place in October/November.

FULL-TIME STUDENT STATUS

An undergraduate student is considered full-time when they are registered for between 12-18 credits. Special permission is needed for any student to register for more than 18 credits and additional tuition charges will apply.

REGISTRATION [NON-CLASSROOM CREDITS]

Students who want to take non-classroom credits such as Individualized Instruction, Independent Study, and Internships should work with their academic advisor. Registration in non-classroom courses must be initiated by their faculty advisor through the Request for Internship, II or IS workflow on the MyESU faculty portal. Approved requests are added to the student’s schedule by the Registrar in the Student Enrollment Center.

AUDITING COURSES

A student desiring to audit a course should speak with the course professor and their academic advisor before submitting an official request to the Student Enrollment Center. Auditing students pay the same tuition and fees as students taking courses for credit. Please note: Senior citizens registering for courses under the special student status will automatically be assigned an audit grade.

UNDERGRADUATE STUDENT IN GRADUATE COURSES [Non-Accelerated Pathway Credits]

Undergraduate students may take a maximum of six graduate credits during their senior year if the following criteria are met:
1. Satisfaction of the grade point requirements for admission with full graduate standing,
   a. i.e. 3.000 GPA in the major and 2.5000 GPA overall (may be higher for some majors);
2. Verification of senior class status (completion of 90 credits);
3. Approval by the appropriate faculty member teaching the class;
4. Approval of the dean of the Graduate College.
5. Submission of request to the Registrar.
All appropriate signatures must be secured prior to registering. **Graduate credit that is used to satisfy graduation requirements for the bachelor’s degree cannot be used to satisfy the requirements of a master’s degree at ESU unless it is part of an approved Accelerated Pathways program.**

### Academic Attendance

Students are required to actively participate in their courses and professors are asked to confirm a student’s class participation/attendance through the Course Roster Verification process. Each professor will determine a class attendance policy for each course and must notify students of this at the beginning of the semester, often by including the attendance requirements on the course syllabus. Class attendance may impact a student’s course grade per the stated policy, a copy of which is kept on file in the department office. Excused absences, including absences for participation in approved university events, will not result in a penalty, provided that the student makes up missed work as required by the professor.

**Student Procedure for Extended Absence Notification (Effective as of March 2, 2020)**

The Dean of Students will assist and support students who miss a minimum of three class days due to illness, personal or family emergencies.

To utilize this service, the student or family member completes the “Instructor Notification for Extended Absences Form” including supporting documentation related to the absence. Upon verification, a note will be circulated to professors advising of the absence. Students are still required to contact professors for guidance related to any missed work during their absence. In some cases, if a student is unable to return to one or more of their classes, the Dean of Students can discuss enrollment options. Students or family members should contact the office at 570-422-3461 with questions.

### Changes to Academic Schedule

**ADD/DROP PERIOD:** Calendar Days 1 to 8
During the Add-Drop period, a student may adjust their class schedule by adding and dropping classes. The period provides students with one full week plus the weekend to add or drop courses without receiving a “W” grade. Courses dropped from the student’s schedule will not appear on the student’s transcript for that semester/term.

**ADD COURSE:** Courses may be added during the first eight calendar days for the Fall and Spring semesters through the MyESU student portal. Please check with the professor before adding a class online to make sure the student will be able to complete any coursework already assigned and to confirm that any course pre-requisites (if any) have been met. A student attending a course without proper registration and payment of all tuition and fees does not constitute de facto enrollment. The university does not permit retroactive enrollment or payment for any courses once the term in which the course was offered ends.

**WAITLISTS:** Final waitlist processing occurs the week before the semester begins and if a student is still on a waitlist after this time there is no guarantee the student will be automatically enrolled in the course if a seat becomes available.

**DROP COURSE:** Courses may be dropped with no record on the student’s academic transcript during the first eight calendar days for the Fall and Spring semesters through the MyESU student portal.

**WITHDRAW PERIOD:** Calendar Day 9 to 10th Week
Students who withdraw from course(s) beginning on semester day nine through the 10th week of classes will receive a grade of “W” for the course(s) on their permanent academic record. Instructor permission may be required to withdraw from a course.

**CHANGES AFTER THE 10TH WEEK**
After the 10th week, a student may only withdraw due to extraordinary circumstances (e.g., illness, death in the family, etc.) and requires the appropriate dean’s approval. “W” grade is assigned for courses a student is passing and a “Z” grade is assigned for courses a student is failing. **Any student who discontinues attendance in a course without formally withdrawing will be assigned an “E” as a final grade.**

### Class Designation/Classification Level

<table>
<thead>
<tr>
<th>Semester Hours Completed</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-29.9</td>
<td>Freshman</td>
</tr>
<tr>
<td>30-59.9</td>
<td>Sophomore</td>
</tr>
<tr>
<td>60-89.9</td>
<td>Junior</td>
</tr>
<tr>
<td>90 and over</td>
<td>Senior</td>
</tr>
</tbody>
</table>

Class designation is determined by the number of credits of work which the student has satisfactorily completed in accordance with the following:

1. Graduate Students
2. Priority Groups [Active Military, Veterans, ROTC, Honors Program, Student Athletes, etc.]
3. Continuing Undergraduates [in order]
4. [Senior] More than 89.5 credits
5. [Junior] Less than 29.5 credits
6. [Senior] Between 60 and 89.5 credits
7. [Sophomore] Between 30 credits and 59.5 credits
8. Non-degree/non-matriculated

Please see below for order and visit the Ready . . . Set . . . Register! Webpage for more information
A student may withdraw ("W" or "Z") from a maximum of 16 credits during the current academic calendar for specific dates for each period. The only exceptions to this policy are stated below:

- A student who first attends the university during the summer will be subject to the requirements and regulations for the upcoming academic year.
- A student who makes a change to their academic program [major, minor, concentration] after matriculation is subject to the program requirements outlined in the catalog in effect at the time of change.
- A student may choose to follow all regulations and academic program requirements in effect in the current catalog. It is the student’s responsibility to meet with their adviser to discuss the requirements and the adviser will notify the Student Enrollment Center to complete the change.
- A student who discontinues attendance for one or more consecutive semesters (fall/spring or spring/fall) will be subject to the regulations and program requirements in effect when the student is readmitted to the university.
- This includes students dismissed from the university for academic or disciplinary reasons.
- Some programs are subject to requirements that originate with legal and governing authorities outside the university (for example, requirements for teachers and other professional certifications). Such requirements are sometimes subject to change for all participants on a specific date and do not lend themselves to implementation by catalog year.
- Some academic departments place time restrictions on the completion of major courses and/or major requirements. Such restrictions are clearly articulated in the university catalog and take priority over this policy.

Please note: Occasionally the university will adopt or revise a regulation (other than an academic program requirement) that cannot equitably or administratively be implemented by the catalog year. In those cases, all students shall be advised of the change at least one full semester in advance and through several venues before the change goes into effect.

**Program Changes**

A student may change curriculum or field of study of specialization only with the approval of the chair of the department the student wishes to enter. Change notifications are also sent to the chair of the student’s prior program. The student’s grade point average and the reasons for change will be assessed by the chair of the department into which the student is transferring.

Students can request changes to a major, concentration or minor online by clicking on the eWarrior tab in the myESU portal. Instructions on how to use the new requests system can also be found in the eWarriors tab in the myESU portal. Changes to major/minors/concentrations mean that the student is to follow the catalog requirements for that program based on the year of change. It is recommended that students request a program change prior to applying for graduation if applicable.

Specific professional programs, such as nursing and medical technology, are limited in the number of students who can be accommodated. Students planning to enter these fields should contact the appropriate department.

**Undeclared Major Status**

New freshman and transfer students with less than 60 earned credits may apply and be admitted to East Stroudsburg University without selecting an academic major. Transfer students with 60 or more earned credits must select an academic major for admission to East Stroudsburg University. All students must declare an academic major upon or before the successful completion of 60 credits.

**Grades**

Grades are the method of assessing student progress. Students are issued grades at mid-semester and a final grade at the end of the semester.

**Course Credit**

Course credit is measured in credits. A credit represents academic work equivalent to one hour per week in class plus two hours per week of outside studying for a semester. Class periods at East Stroudsburg are generally 50 minutes in length and are regarded as class hours. A semester
is 15 calendar weeks. A credit is also equivalent to 15 weeks of full-time study whether in class or outside of class. In some courses two hours of laboratory per week for a semester earns one credit, while in other courses three hours of laboratory or fieldwork per week for a semester earns one credit. For example, CHEM 353 Physical Chemistry (4) is a course in Chemistry which earns four credits.

**Academic Credit Hour Policy**

The credit hour serves as ESU’s common measure of instruction based on the expected number of contact hours of coursework during the semester/term. All credit hours awarded by East Stroudsburg University will conform with the definitions and guidance outlined by the U.S. Department of Education (CFR, Title 34: Education, Part 600 – Institutional Eligibility under the Higher Education Act of 1965, as amended, Subpart A-General, Section 600.2), the Pennsylvania State Board of Education Curricular Credit Policy (22 Pa. Code Chapter 31, §§ 31.21) and the Middle States Commission on Higher Education (Verification of Compliance with Accreditation-Relevant Regulations, 2016). One credit hour of instruction equals 15 hours over the term, forty-five hours for a three credit course. Please note that not all of this instruction is necessarily conducted face-to-face with an instructor. Different types of courses require different amounts of contact time and may be delivered in multiple formats to students including but not limited to distance education, face-to-face, hybrid and interactive media.

A semester hour of contact time is defined as at least fifty minutes of contact each week in a standard semester. East Stroudsburg University follows the Pennsylvania System of Higher Education Academic Calendar (Board of Governor’s Policy 2002-04). The standard semester – fall and spring – includes 16 weeks where 14 weeks are used for instruction, one week is assigned for final examinations each semester and once week used for non-teaching days in the fall semester and spring break in the spring semester. In the absence of a Common Calendar, ESU will follow the USDOE guidance that defines a semester as having 15 weeks inclusive of 1 week for final examinations. The following standards are intended to specify the minimum contact time for the assignment of one (1) semester / credit hour. Some courses may exceed these minimum standards.

### Table: Academic Credit Hours

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Total Semester Hours (minimum)</th>
<th>Total Actual Contact Minutes (minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical</td>
<td>45</td>
<td>150 minutes X 15 = 2,250</td>
</tr>
<tr>
<td>Lecture/Seminar</td>
<td>15</td>
<td>50 minutes X 15 = 750</td>
</tr>
<tr>
<td>Laboratory</td>
<td>30</td>
<td>100 minutes X 15 = 1,500</td>
</tr>
<tr>
<td>*Internship/Practicum/Field Experience</td>
<td>40</td>
<td>60 minutes X 15 = 900</td>
</tr>
<tr>
<td>Studio</td>
<td>30</td>
<td>100 minutes X 15 = 1,500</td>
</tr>
<tr>
<td>Physical Activity</td>
<td>22.5</td>
<td>150 minutes X 7.5 = 1,110</td>
</tr>
</tbody>
</table>

*calculated based on an actual work week.

Additional information regarding the Academic Credit Hour policy can be found online at [www.esu.edu/provost/faculty_resources.cfm](http://www.esu.edu/provost/faculty_resources.cfm)

**Grade Reports**

Student grade reports are available at mid-semester and at the end of the semester. Only the semester grades are entered on the student’s permanent records (transcript). Semester grade reports are available through the student portal myESU. Specific information about access to the student portal is mailed to each student upon his or her initial enrollment at East Stroudsburg University.

It is the responsibility of each student to check grade reports at mid-semester and at the end of the semester. Students are expected to check grade reports as they are available to be aware of academic performance in each course, to register for courses for the next semester, and to address issues related to course grades immediately. Grade reports are an important tool for assessing academic progress.

**Course Numbers**

Course numbers are used to indicate the level of a course and the year in which courses are usually taken by students and/or the minimum number of prerequisite course(s) a course requires for admission.

**Developmental Courses:** MATH 090 and ENGL 101

**Lower Level [100-299]**
- 100:199: Introductory/Foundation Courses
  - 0 to 1 Pre-requisites
- 200:299: Intermediate/Foundation Courses
  - Fewer than Two Pre-Requisites

**Upper Level [300-499]**
- 300:399: Intermediate/Advanced Courses
  - At least 1 Pre-Requisite
- 400:499: Advanced Courses
  - At least 2 Pre-requisites

Student should read the course catalog description for more detailed information regarding prerequisite(s) for that course. In cases where students have not completed the prerequisites for a particular course, they may request a waiver of the prerequisites from the course instructor.

**Transfer Courses without ESU Equivalent**

Any transfer course that does not have an exact ESU course equivalent will have these transfer courses recorded on their permanent academic record (transcript) to satisfy either a general education requirement or a department elective. Course descriptions for these transfer courses are not available but may be applied to degree requirements.

- SUBJ 199: General Education [GN] elective
- SUBJ 299: Departmental Elective
- ELEC 299: General Elective

**Quality Point System**

In addition to meeting course and credit requirements for graduation, students must maintain a specified academic level throughout a given curriculum as measured by quality points. The minimum number of quality points required for graduation is twice the number of credits attempted. Pass/fail courses are not used in the computation of the quality point average. Work completed at other colleges and accepted as transfer credit is not considered in computing the quality point average. The required quality point average for graduation is 2.00 or higher. Some degree programs require a higher cumulative quality point average.

Each credit grade is calculated as follows:

- **A** 4.0 quality points
- **A-** 3.667 quality points
- **B+** 3.333 quality points
- **B** 3.0 quality points
- **B-** 2.667 quality points
- **C+** 2.333 quality points
- **C** 2.0 quality points
The following grades are not counted in calculating a student GPA:
- F: Failure (Pass/Fail)
- I: Incomplete
- L: Audit – Complete
- M: Military Leave of Absence
- ML: Military Leave of Absence Completed
- N: Academically forgiven [appears before grade being forgiven]
- O: Ongoing
- P: Pass (Pass/Fail)
- R: Repeat (used prior to fall 2011)
- S: Satisfactory
- T: Transfer Course
- U: Unsatisfactory
- X: No Grade Reported
- Y: Audit – Incomplete
- W: Withdrawed Passing
- Z: Withdrawed Failing

Calculating Grade Point Average
Calculating of grade point average is done using the steps below.
1. Grade symbols are translated into quality points per credit as listed above.
2. The university recognizes that a good grade in a three-semester-hour course requires more work than in a two-semester-hour course. Owing to this, the university follows a system which recognizes both the quality and quantity of a student's work. Under this system, the number of quality points for each letter grade (e.g. four points for an A) is multiplied by the number of semester hours of credit for the course. For example, an A in a three-semester-hour course earns a total of 12 quality points. To find out a student’s quality point average, divide the total number of quality points by the total number of semester hours scheduled. This average considers both the quality and quantity of work.
3. Quality points are awarded only for work completed at East Stroudsburg University. Work completed at other colleges and accepted as transfer credit is not considered in computing the quality point average.

Incompletes
The maximum time for completing course requirements to remove incomplete grades is one semester from the end of the session in which the "I" grade was assigned. After that time, the "I" grade will automatically be converted by the Registrar to an “E,” “F,” or “U,” based on the grade mode for the course. The student can then only earn credits for the course by registering for it again in another semester.

If a student applies for graduation in a session before the one semester period has expired, the course requirements must be completed by the end of that session, or the "I" grade will be converted by the Registrar to an “E,” “F,” or “U” based on the grade mode for the course.

Students who cannot complete the required coursework during the specified time period should notify the faculty member as soon as possible. A faculty member who chooses to deviate from this policy will require the student to sign a contract specifying conditions necessary for course completion, which may include a time period for completion of less than one year or other conditions. The faculty member will also notify the Registrar of any changes to the completion date.

Repeat Grades
Undergraduate students will be limited to a maximum total of six repeats during their enrollment at East Stroudsburg University. This is an individual course count (not credit). Students cannot repeat more than six courses.

A single course can only be taken a maximum of three times. That is, the course should appear no more than three times on a transcript. The most recent grade, regardless of whether it is higher or lower, will be the grade used for the GPA calculation. All other grades earned for repeated courses will be marked as such on the student’s academic transcript.

Developmental Education Courses
The Course Repeat Policy limit will not apply to Developmental Education courses such as MATH 090 and ENGL 101. However, the most recent grade will be the grade used for assessing academic progress for both the semester and overall calculations. Credits earned will count toward class standing (Classification Level). Credits and grades will appear on transcript but credits will not count toward the minimum number of credits required for graduation.

Transfer Credit Evaluation
Students may choose to take a course at another college or university while pursuing a degree at ESU. Transfer credits will be considered for equivalent courses completed where the student earned a minimum grade of “C.” Students are required to send an official transcript of coursework completed at another institution to ESU.

Information on the Student Transfer Policy, the Pennsylvania Articulation Center (PA TRAC) and the Transfer Credit Appeal Process can be found in the Admissions section of the catalog or online at www.esu.edu/transfer.

Please see the Graduation Residency Requirement for information that may affect the maximum transferrable credits and completion of the degree program.

Continuing Students Transferring Credits Back to East Stroudsburg University
Current East Stroudsburg University students who wish to transfer courses from another college or university back to ESU are encouraged to check their degree program requirements with their academic adviser or the department chairperson where the external credits would transfer, before registering at the other college/university. This is done to ensure that the course will replace a course requirement within the degree program. Approvals must be submitted to the Transfer Center in the Student Enrollment Center. Transfer credit is only granted if a grade of at least “C” is earned and upon receipt of an official transcript from the other college/university. Students may use the Course Equivalencies Database online at: www.esu.edu/courseguide

Advanced Placement, DANTES and IB Credits
East Stroudsburg University permits students to earn credit toward the baccalaureate degree by successful completion of the Advanced Placement Examination, DANTES, and IB diploma.
Students currently enrolled in high school should contact their guidance counselor about the Advanced Placement Exam (AP). A grade of “3” or higher on any of these examinations will be counted for three credits by East Stroudsburg University.
The Defense Activity for Non-traditional Education Support (DANTES) has 37 different subject tests that allow students to receive college credit by taking any of these tests. Official ACE transcripts showing the tests and scores earned should be sent to the Transfer Center at East Stroudsburg University.

International Baccalaureate (IB) examinations may also count towards courses at ESU. Official International Baccalaureate transcripts should be mailed to the Transfer Center at East Stroudsburg University. Please refer to www.esu.edu/transfer for more information about getting credit for courses.

**College-Level Examination Program - CLEP**

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. The General Examinations of CLEP (English Composition, Humanities, Mathematics, Natural Sciences and Social Sciences-History) may be taken to apply toward the General Education pattern of courses at East Stroudsburg University. Such examinations should be passed at the 50th percentile. Subject matter examinations may also be taken under the CLEP program. Students shall not be given credit for both General and Subject examinations in the same areas. Normally CLEP examinations may not be counted toward the student’s major field of study. Interested students should contact the Transfer Center staff in the Student Enrollment Center. Official CLEP results should be forwarded to the Admission Office, for consideration.

**Pennsylvania State System of Higher Education Visiting Student Program**

The purpose of this policy is to facilitate undergraduate student enrollment at institutions of the Pennsylvania State System of Higher Education to take advantage of courses available across the system, without loss of institutional residency, eligibility for honors or athletics, or credits toward graduation at the home institution. Grades earned under the Visiting Student Program will be accepted in full by East Stroudsburg University, and will be included in the calculation of credits earned, GPA, and residency requirements.

The following requirements and conditions apply to participants in the Visiting Students Program:

1. The student must be matriculated at the home university with a minimum of 12 college-level credits and be in good academic standing.
2. Students may take a maximum of 24 credits via the Visiting Student Policy.
3. The student who presents evidence of good standing at the home university will be allowed to register for courses at other PASSHE universities. The visiting student priority level for registration will be determined by each university.
4. All credits and grades accrued at other PA State System of Higher Education universities shall be accepted in full by the home university and thereafter treated as home university credits, residency, and grades.
   a. It is the responsibility of the student to work with the student’s adviser at the home institution regarding applicability of credits toward graduation requirements at the home institution consistent with PA State System of Higher Education procedures.
   b. It is the responsibility of the student to complete the Visiting Student Notification Form and submit to the home institution prior to enrolling in courses at another PA State System of Higher Education institution.

PA State System of Higher Education Distance Education Course Application Process: Students wishing to take advantage of the State System of Higher Education Distance Education Course Sharing need to complete the Distance Education Application with their home institution.
Graduation

A student at East Stroudsburg University must earn a minimum grade point average of 2.00 in order to graduate (individual departments may, however, stipulate higher graduation requirements), complete the general education requirements and competencies requirements. A student’s graduation application initiates his/her graduation clearance process. As designated by the Registrar, the Graduation Services team begins working with the student’s department and college to review and finalize the degree requirements.

Priority processing deadline dates for applying for graduation are December 2 for Fall 2022, December 16 for Winter 2023, February 6 for Spring 2023 and Summer 2023 degree conferral. The university holds commencement exercises at the end of the spring semester. Students graduating in the Fall, Winter and Summer terms may participate in the Spring commencement ceremony.

**Degree/Certificate Completion**

When students submit their “Intent to Graduate” by the established application priority deadline dates based on their completion semester, their academic record will be put through a graduation clearance process. This process requires a thorough review of the student’s academic record with the collaboration of their respective department, college dean and the Graduation Services team. This process is used to certify that students will meet their degree requirements by their intended graduation date. An audit of the student’s degree is performed twice during the graduation clearance process - after the “Intent to Graduate” has been declared and when all coursework is completed at the end of the semester or term. Correspondence will be sent to all students who have submitted their “Intent to Graduate” request after their degree audit has been reviewed to notify students of their graduation status.

If a student has met all the graduation requirements at ESU including the credit minimum (See Graduation Residency policy), the student will be notified and the degree or certificate will be conferred by the Graduation Services team. Degrees are conferred at the end of the fall, winter, spring and summer terms during the following months: December, January, May and August respectively.

Once a degree has been conferred, the academic record is final and sealed. Changes to enrollment, courses, grades and program of study associated with the degree conferral are not permitted to the academic record of a graduate. Students who do not meet their degree requirements for the semester/term they had intended upon graduating must declare another “Intent to Graduate” and create a revised plan to complete their degree requirements in a subsequent semester or term. The official degree conferral/graduation date is posted on the student’s permanent record (transcript) as the semester/term when all degree requirements have been completed and confirmed by the Registrar or the designee.

**Commencement**

East Stroudsburg University currently holds commencement ceremonies at the end of the spring semester to recognize graduates for their academic success at the institution. Students who have officially indicated their “Intent to Graduate”, registered for all remaining required coursework, or are in progress of making up incomplete (“I”) grades, may be eligible to participate in the commencement exercises.

To be eligible to participate in the May commencement, students must complete or be on track to complete their degree requirements by the end of the spring term. Students who will complete an established internship and/or required coursework in the summer must be registered for summer before being considered eligible to participate in a May commencement ceremony. Participating in the commencement ceremonies does not signify the completion of a student’s degree program. The outcome of the final graduation clearance will determine if a student has met all university and program requirements to be considered a graduate.

**Graduation Honors**

In order to qualify for graduation honors, a student must have completed at least 45 credits at East Stroudsburg University. These 45 credits can be accrued through any course, internship and/or field placement including student teaching in which a letter grade is assigned (A, A-, B+, B, B-, C+, C, C-, D or E) or a satisfactory grade is ascribed. The check for the 45-credit minimum includes in-progress courses during the student’s graduation semester. The check for the student’s cumulative grade point average is based on all graded coursework.

Students who have the appropriate cumulative grade point average at the time the honors designation is determined, and who will have met the 45-credit minimum once the final semester is completed, will be granted graduation honors as follows:

- **Summa Cum Laude**  Cumulative grade point average 3.80 or above
- **Magna Cum Laude**  Cumulative grade point average 3.60 to 3.799
- **Cum Laude**  Cumulative grade point average 3.40 to 3.599

Graduation honors for the publication of the Commencement Program are based on all graded and in-progress coursework at East Stroudsburg University by the deadline dates below. Please note that graded course work contains final grades and not midterm grades.

- March 15 of the academic year for spring and summer graduation or
- November 1 for fall and winter graduation.

The official university transcript will carry the final honors designation based on all finalized grades completed at the university and the outcome of the final graduation clearance.

**Graduation Residency Requirement**

All first baccalaureate degree students will take at least 30 of their last 60 credits at East Stroudsburg University. All students completing their first undergraduate degree must take at least 50% of the credits required from East Stroudsburg University.

**Active Duty Service Members Exception**

For active duty service members, the academic residency requirement will not exceed 25 percent of the undergraduate degree program. If the undergraduate degree is available 100 percent online, the academic residency requirements will not exceed 30 percent of the undergraduate degree program.

With the exception of specific course areas such as majors, the academic residency requirements for active duty service members will not include “final year” or “final semester” requirements. In addition, each program is expected to confirm with their respective accrediting agencies the
allowable flexibility in order to meet the needs of active duty service members.

**Simultaneous Dual Awards [B.A. and B.S.]**

Students wishing to be awarded dual degrees (both a Bachelor of Science and a Bachelor of Arts) must earn a minimum of 150 credit hours while completing all requirements for multiple majors and the general education competencies.

Students meeting all of the requirements of two majors with less than 150 credits may obtain a multiple major designation. In the case of a double major, if the two majors involve multiple degree designations (e.g., B.A. in English and B.S. in Psychology), the student will select only one degree designation that appears on the transcript and diploma.

**Second Degrees**

A student who is already the recipient of a baccalaureate degree (either from East Stroudsburg University or from a different regionally accredited university) who wishes to pursue an additional undergraduate field will be required to complete a minimum of 30 credit hours at East Stroudsburg University including the requirements for the major. The program of study for the additional degree is to be approved by the appropriate department chair and appropriate academic dean.
The College of Arts and Sciences
Rosenkrans Hall West, Room 107  Dean Nieves Gruneiro-Roadcap
570-422-3494 www.esu.edu/cas

The College of Arts and Sciences includes the Faculties of Arts and Letters, Science, and Social Sciences. Following the custom of hundreds of years, the faculties and disciplines represented in the school offer a basic core of knowledge to which other dimensions and specializations are added.

The Faculty of Arts and Letters

Majors
- Art + Design
- Communication
- Digital Media Technologies
- English
- Integrated Art and Design
- Interdisciplinary Studies
- Philosophy
- Spanish
- Theatre

Minors
- Art
- Chinese Language and Culture
- Communication
- English
- International Studies
- Philosophy
- Spanish
- Spanish for the Professions
- Theatre
- Women and Gender Studies

Teacher Certification
- English
- Spanish

Certificates
- Business Writing
- Data Visualization
- 3D Printing and Product Design

Cooperative Professional Degree Programs with other institutions
- Engineering
- Medical Technology

Minors
- Chemistry
- Computer Science Applications
- Mathematics
- Psychology

Teacher Certification
- Biology
- Chemistry
- Earth and Space Science
- General Science
- Mathematics
- Physics

Certificate
- Crisis Intervention

Students participating in the programs in science have great opportunities to enter a wide variety of fields, many of which are career-oriented and involve professional training and internships.

In all science disciplines from Biology to Psychology, students have opportunities to conduct research as an undergraduate. Students often present their findings at research conferences. These experiences are useful for students heading to graduate or medical school as well as students looking for immediate employment.

Here are some examples. A student whose primary interest includes biology can study biotechnology, laboratory medicine, environmental studies, or marine science. Secondary education programs leading to the bachelor of science degree with a major in biological sciences, chemistry, earth and space science, general science, mathematics, or physics are offered jointly with the Faculty of Education.

Some combination of chemistry and biology is valuable in any one of these programs. A major in any one or a combination among biology, chemistry and physics prepares one for medical, dental, optometry or pharmacy school.

The Faculty of Science
Offers the following degree programs:

Majors
- Biochemistry
- Biology
- Biotechnology
- Chemical Biotechnology
- Chemistry

- Computer Science
- Computer Security
- Earth and Space Science
- Environmental Studies
- General Science
- Marine Science
- Mathematics
- Medical Technology
- Physical Science
- Physics
- Psychology
The curriculum in Environmental Studies has been designed to meet the needs of students seeking an integrated interdisciplinary background within the tradition of a liberal education. The program is intended to provide students with an opportunity to select courses from various disciplines that will strengthen their understanding of environmental problems. The broad interdisciplinary nature of the program permits students to enroll in courses offered by different academic divisions and by various departments.

Foundational to all sciences, mathematics is available for students through a series of courses, a minor, or as a major, including a bachelor’s degree in applied mathematics.

Cooperative engineering programs with Penn State University or other participating engineering schools permit a student to complete a Bachelor of Science in engineering at one of these institutions in two years, after completing the first three years at East Stroudsburg University. The student is also awarded the Bachelor of Arts degree from East Stroudsburg University with a major in any one or combination among the fields of chemistry, mathematics and physics. Similar arrangements in medical technology, pharmacy, and podiatry are also available.

Courses in computer science, including computer security, prepare students with valuable experience and training for jobs in industry and in management positions. Research opportunities along with internships in jobs related to human relations or as preparation for graduate study.

The Faculty of Social Sciences offers the following degree programs:

**Majors**
- Criminal Justice
- Economics
- History
- Political Science
- Social Work
- Sociology

**Minors**
- Economics
- Economics and Management Interdisciplinary
- Geography
- History
- Political Science
- Sociology

**Teacher Certification**
- Social Studies

**Certificate**
- Geographic Information Systems

A democratic society needs to generate a pool of people with the training, philosophical perspectives, and broad academic knowledge to assume leadership roles and to become responsible citizens in today’s changing social, political, economic, and demographic environment. Accordingly, the Faculty of Social Sciences’ programs are designed specifically for men and women who are career-oriented.

The Faculty of Social Sciences’ curricula permit students to broaden their knowledge through general education requirements and to concentrate in an academic discipline through the departmental requirements of the chosen major.

The Criminal Justice Administration and Social Work concentrations are professional programs for those students who satisfy general education requirements and complete a departmental major. These concentrations provide academic and practical approaches by critically examining and interrelating subject matter within the Faculty of Social Sciences. Economics majors will obtain a foundation in traditional economic theory that is the basis for the analytical thinking and sound managerial decision-making. Students may choose to specialize in Quantitative Economics, Global Markets, or Finance. The B.A. in Economics will prepare students to either pursue graduate studies in Economics or to enter the work force with careers in management, finance, and applied economics. Graduates have achieved careers such as actuaries, economics researchers, data analyst careers in management, stock brokers, and account executives.

**The College of Business and Management**
Rosenkrans East, Room 123A  Dean Sylvester Williams IV
570-422-3589  www.esu.edu/cbm

**The Faculty of Business and Management**

**Department of Business Management**

**Majors**
- Accounting
- Business Management
- Finance
- Marketing

**Minors**
- Management
- Economics and Management Interdisciplinary

As companies strive to compete in a global market they look for employees who are knowledgeable in current business practices and who can effectively evaluate the current competitive environment and meet customer needs. Businesses want employees with strong communication skills who are good at analyzing and solving problems and thinking critically.

A business management degree can provide those skills, and earning this degree can increase your job opportunities and salary potential. The study of business management provides a broad education in business management practices and can be pursued on its own or with more a specialized area of study with concentrations such as finance, entrepreneurship, management and accounting or marketing.
The Faculty of Hospitality, Recreation and Sport Management

Offers the following degree programs:

**Department of Hotel, Restaurant and Tourism Management**

**Major**
- Hotel, Restaurant and Tourism Management

**Minor**
- Hotel, Restaurant & Tourism Management

The Hotel, Restaurant and Tourism Management program provides a Bachelor of Science degree for students preparing for a career in the hospitality industry. A core of required courses represents every segment of the hospitality field; electives are selected to complement these and, along with the general education requirements of the university, a well-rounded curriculum results.

The travel and tourism industry is one of the largest, most dynamic industries in the world. Students of the Hotel, Restaurant and Tourism Management program are introduced to this exciting industry and will be prepared to enjoy a successful career in the travel and tourism industry. All courses are taught by faculty who combine excellent academic credentials with a strong professional background.

The Hotel, Restaurant and Tourism Management program is further enhanced through activities supported by the hospitality industry. Students participate in hotel and restaurant shows, tour hospitality facilities, listen to industry speakers, attend career days, and conduct special projects for the industry.

**Department of Leadership Studies and Military Science / Army ROTC**

East Stroudsburg University offers students the opportunity to participate in Army ROTC through a partnership with the North East Pennsylvania (NEPA) Army Reserve Officer Training Corps (ROTC) Battalion. The primary objective of the Reserve Officer Training Program is to develop leadership capabilities in students and to train future officers for the active Army, U.S. Army Reserve and Army National Guard. The ROTC program is an extensive leadership development program that concentrates on developing leaders through the demonstration of the seven Army values and 16 key leadership dimensions.

**Department of Recreation Services Management**

**Major**
- Recreation Services Management

**Career Emphasis Areas**
- Commercial
- Outdoor
- Therapeutic

The program in Recreation Services Management provides a Bachelor of Science degree for students preparing for a career in recreation. Students may choose emphasis areas in commercial, outdoor, and therapeutic recreation. Courses cover all aspects of recreation and leisure, from recreation for persons with disabilities, to resort recreation, to environment interpretation. The department has three full-time tenured faculty and approximately 100 majors. The degree program is fully accredited by the National Recreation and Park Association. The department has maintained accreditation since 1983.

**Department of Sport Management**

**Major**
- Sport Management

A degree in Sport Management prepares students for careers as administrators and managers in athletic, health, and country clubs, as well as entry-level management positions in college and professional athletic organizations. Through this program, students are prepared for a diversity of roles in the areas of sport marketing and promotions, facility management and planning, activity programming and events management.

Internships are available in the areas of professional sports, college athletics, amateur and Olympic athletes and recreation sport. This program follows the North American Society for Sport Management (NASSM) and National Association for Sport and Physical Education (NASPE) requirements.

**The College of Education**

Rosenkrans Hall East, Room 123C
Dean Brooke Langan
570-422-3377
www.esu.edu/ced

The programs in the College of Education are designed to provide meaningful learning opportunities for students aspiring to enter professional careers related to PK-12 teaching and rehabilitative services. Students are active learners in a variety of professional knowledge and performance-based preparation programs. Coursework is enhanced through thoughtful field experiences in all programs.

**Majors**
- Early Childhood Education PreK-4 (Certification Preparation)
- Early Childhood Professional Program (Non-Certification)
- Middle Level Education 4-8 (Certification Preparation)
- Secondary Education 7-12 (Certification Preparation)
- Special Education PreK-8/Early Childhood PreK-4 (Certification Preparation)
- Special Education PreK-8/Middle Level 4-8 (Certification Preparation)
- Special Education 7 - 12/Secondary Education 7 - 12 (Certification Preparation)
- Rehabilitative Services

The conceptual framework of the teacher education program focuses on the decision-making processes of teaching and learning. The model for ESU is Teacher Education Unit Conceptual Framework: Reflective and Deliberate Decision-Makers.

The beginning teacher must demonstrate knowledge and skill outcomes in four broad domains:
1. Content
2. The learner and learning environment
3. The teaching and learning process
4. Professionalism
The model is supported through the Vision, Mission, and Philosophy as well as Beginning Educator Outcomes, a Knowledge Base and Learning Cycle, Teacher Initiatives and Assessment System.

The undergraduate curricula of the College of Education are designed primarily for students preparing for teaching careers in the early childhood and elementary schools, the middle or junior high school, or the senior high school. The College of Education encompasses the departments of Early Childhood and Elementary Education, Professional and Secondary Education, Reading, and Special Education and Rehabilitation, as well as the Office of Field Experiences and Partnerships. One major purpose of the college is to prepare teachers for positions in early childhood, elementary and secondary schools and people-oriented occupations, such as social and restoration agencies, state and federal government, and private industry.

The college provides programs that lead to eligibility for certification in a number of degree areas (see degree program list). Graduates of certification preparation programs receive the degree of bachelor of science or bachelor of arts and are eligible to apply for certification to teach in the schools of Pennsylvania. Students are encouraged to earn certification in several fields to enhance their employment opportunities. Full national accreditation allows the graduate to be recommended for certification to teach in most other states without further course requirements. Information and advisement on certification is available in the office of the dean of the College of Education.

Graduate work is offered leading to the Master of Education in Elementary Education, Secondary Education, Special Education, and Reading. Students interested in graduate programs should refer to the Graduate Catalog. The programs of the College of Education are fully accredited by the National Council for Accreditation of Teacher Education (NCATE). All standards for program approval by the Pennsylvania Department of Education have been met.

Requirements for Teacher Certification

The Pennsylvania Department of Education (PDE) is the certifying agent for all teacher preparation programs in the Commonwealth. All teacher preparation programs offered through East Stroudsburg University are approved by PDE to prepare teachers for certification in their respective fields. All teacher education candidates should be in frequent consultation with their academic advisors to ensure that they are meeting the appropriate program and certification requirements, which vary by program.

Selection for the Teaching Profession

The nature and importance of teaching requires that students who seek to enter the profession must possess unimpeachable character, above average academic ability, and dispositions suitable for working with children and young adults. The teacher education faculty perceive their ultimate obligations to be to the students who will be taught by their graduates. Consequently, the student’s admission to teacher candidacy and to student teaching and final institutional recommendations for a teaching certificate are not achieved solely by meeting routine academic requirements. As the student in each of these steps progresses toward final certification, the faculty of the student’s certification area exercise their professional judgment as to each student’s competency for the teaching profession.

Admission into Teacher Education Program

All education majors seeking certification must successfully complete teacher education program admission, monitoring, and exit criteria procedures. Formal admission into the Teacher Education Program generally occurs when candidates earn between 48 and 60 credits. To be formally admitted into the Teacher Education Program, candidates must meet the following criteria:

1. Successfully complete faculty interviews;
2. Satisfactorily pass a state-approved basic skills assessment in reading, writing, and mathematics;
3. Earn a minimum overall undergraduate QPA as identified by Pennsylvania law (2.8 or as determined by the department; transfer students’ grades are included in averaging the QPA);
4. Complete six credits of mathematics courses and six credits of English (including one composition and one literature) courses (undergraduates only);
5. Complete at least 48 credit hours by the time candidacy admission is decided;
6. Satisfactorily complete early field experiences;
7. Complete Act 34, FBI clearance and ACT 151 child abuse clearance (and other clearances as required by PDE);
8. Any other specific departmental requirements; and
9. Be recommended by departmental faculty and approved by the Teacher Education Council.

Students are then admitted to candidacy in the teacher education program and are permitted to take upper level major courses. A 2.8 - 4.0 QPA is required for Pennsylvania teacher certification. The student’s progress and mastery of competencies will be monitored while completing requirements in the program. All students are required to maintain a cumulative and major average as specified by Pennsylvania law and the respective departments, to remain in the program and to take teacher education classes. Only qualified teacher education majors are allowed to take teacher education classes.

Each department will provide each student a copy of its program requirements, course checklist, and expectations. Students must satisfy all program requirements to be recommended for the degree and teacher certification, including a 2.8 - 4.0 QPA. Certification test passing scores are set by the Commonwealth using a sliding scale. As such, the lower a candidate’s QPA, the higher they must score to pass. No candidate graduating with a QPA less than 2.8 will be certified in Pennsylvania. Candidates are responsible to ensure their final, overall QPA qualifies for certification in the Commonwealth before applying for graduation.

All applicants for teacher certification must be endorsed by the faculty adviser, the department, and the dean of the College of Education, who serves as the certifying officer for the university.

Experienced non-degree teachers, graduates of other colleges or universities, or others who need special assignments in student teaching will have their individual alternative programs planned and approved by the appropriate department and by the dean of the College of Education. Transfer students’ transcripts will be individually evaluated by the department chair to determine equivalent courses to be accepted. The Pennsylvania Department of Education requires that all certification applicants satisfactorily pass the appropriate sections of the ETS Praxis or Pennsylvania Educators Certification Tests. Students must also complete the teacher certification application and respond to immigration, criminal record, child abuse, and health statements.

Pre-Student Teaching Field Experiences

The importance of providing opportunities for education students to observe and work directly with children in schools before student teaching is recognized. To make this possible, the director of the Office of Field Experiences and Partnerships works with departments to secure quality sites for students to engage in field experiences. Field experiences are required in association with most education courses. Prior to being
placed in their first field experience, students must submit a negative test for tuberculosis form and clearances for Act 34, FBI and Act 151 (and other clearances as required by PDE and/or each school district).

**Requirements for Approval to Student Teach**

The Office of Field Experiences and Partnerships coordinates student teaching assignments. Students are required to apply to student teach to the Office of Field Experiences and Partnerships via Tk20.

The student teaching semester is the capstone experience of the teacher preparation program. During this semester, beginning educators have the opportunity to practice and demonstrate theory in practice, reflective and deliberate decision making, and pedagogical skill as reflected in the Beginning Educator Outcomes as each student teacher forms a unique, professional teacher identity.

In order to ensure that we meet our commitment to our public-school partners, as well as maintain our NCATE accreditation, it is essential that all students demonstrate professional dispositions.

All students who wish to apply for a student teaching placement must satisfactorily complete ALL requirements listed below as related to their specific major. Failure to meet these requirements in a timely manner will prohibit student teaching eligibility.

1. Fall student teaching candidates must satisfy all TEACHER EDUCATION PROGRAM ADMISSION CRITERIA no later than May 15. Spring student teaching candidates must satisfy all TEACHER EDUCATION PROGRAM ADMISSION CRITERIA no later than August 15.
2. Have met all requirements for teacher candidacy admission as required by the major department in education.
3. Possess health, personal characteristics, and professional dispositions considered essential for successful teaching.
4. Must meet specific departmental requirements for credit totals.
5. Have successfully completed prerequisite courses in education and have NO incomplete grades.
6. Must have earned a “C” or better in all major classes (as specified by the department).
7. Have a minimum cumulative quality point average of 2.8.
8. Have the minimum QPA for the major as established by the major department.
9. Provide evidence of a current negative test for tuberculosis (within the last three months prior to the start of student teaching).
10. For K-12 programs, students must have passing scores for PDE-approved basic skills assessments in reading, writing, and mathematics.
11. Have current ACT 34, ACT 151, and Act 114 (FBI) clearances (and other clearances as required by PDE and school districts). Current clearances are needed for the entire semester of student teaching.
12. Must enroll in the department’s required courses for student teaching during the registration period.
13. Must have current Student PSEA Liability Insurance and insurance for any other organization as determined by the major department.

*In order to obtain Pennsylvania certification, candidates must pass the Praxis II or Pearson Specialty Area Tests that are required for the specific area of certification.*

Pennsylvania law, Chapter 354 requires a minimum 2.8 cumulative quality point average to be eligible for Pennsylvania certification.

**Student Teaching**

Student teaching is the culminating experience in a series of planned laboratory and field experiences. Student teachers spend a full semester off-campus in a regular classroom under the guidance and direction of a fully certified, master teacher.

The university provides each student with the additional support of a university faculty member with a background in supervision and instruction. Student teaching is planned to provide an opportunity for continued professional growth in the application of theory, methods, and subject content. Students are placed in school districts with which the university has an executed affiliation agreement or articulation contract. All student teaching arrangements are made through the Office of Field Experiences and Partnerships. It is inappropriate for students to make their own student teaching arrangements.

Student teachers are expected to comply with the following list of requirements:

1. Establishing personal transportation to and from the assigned school district.
2. Adhere to school district policies, procedures, ethics codes, schedules, and dress codes.
3. Purchase Student P.S.E.A. Liability Insurance.
4. Continue to hold current required clearances. An unacceptable clearance will result in the student being removed from student teaching.
5. Make arrangements for housing.

**Teacher Education Council**

The Teacher Education Council provides the governance of the teacher certification programs. The council administers existing policies related to teacher education, admits students to teacher education programs and hears appeals from students, develops and proposes new policies in teacher education, and reviews certification programs and their modifications as proposed by departments and faculties to insure compliance with the standards of state and national accrediting agencies. These policies are found in the Teacher Education Program Policy Manual and minutes of council meetings.

**Areas of Teacher Certification**

**Instructional**

- Biology
- Chemistry
- Early Childhood PreK-4
- Earth and Space Science
- English
- General Science
- Health
- Health and Physical Education
- Mathematics
- Middle Level (4-8)
- Physics
- Social Studies
- Spanish
- Speech and Language Impaired
- Special Education PreK-8/Early Childhood Pk-4
- Special Education PreK-8/Middle Level 4-8
- Special Education 7-12/Secondary Education 7-12

Students must satisfy all teacher education program, departmental requirements, and revised PDE standards before they will be recommended for the degree and teacher certification. For public disclosure information on teacher education program completers, please see the ESU Title II website at www.esu.edu/title2 giving passing rates and other summary data.
The College of Health Sciences

Rosenkrans West, Room 105  Dean Denise Seigart

570-422-3425  www.esu.edu/chs

The mission of the College of Health Sciences is to offer high quality undergraduate and graduate programs that provide a diverse student body with the didactic knowledge and skills to lead in a changing global society while fostering an academic environment dedicated to excellence in teaching, scholarship and service.

The mission is in response to the nation’s concern for healthy persons and healthy communities and to students interested in careers in health and human performance areas. Underlying the mission are three basic assumptions:

1. We can improve the quality of life in America through health education systems as society relies more extensively on individual and community responsibility to prevent disease and promote health for all citizens.

2. We can be instrumental in the promotion of exercise and movement which can improve the quality and length of life.

3. We can assist in prevention of illness and rehabilitation of health and human performance.

Seven departments — Athletic Training, Health Studies, Exercise Science, Movement Activities and Lifetime Fitness, Nursing, Physical Education, and Speech-Language Pathology — comprise the college.

Each student’s major program consists of sequential experiences which lead to a body of knowledge within the respective field of study as well as modes of inquiry in discovering new knowledge and its significant experiential values. Within the college, students are encouraged to develop and pursue specialized interests in relation to their goals and to accept the responsibility for their academic pursuits and ultimate professional growth.

The Faculty of Health Professions

Offers the following degree programs:

Majors
- Health Education
- Nursing
- Public Health
- Communication Sciences & Disorders

Minor
- Health Services Administration

Teacher Certification
- Health Education

Certificates
- Drug Abuse Prevention
- Environmental Health
- Gerontology
- Global Health
- Health Emergency Preparedness
- Health Project Management
- Nutrition

The Faculty of Human Performance

Offers the following degree program:

Majors
- Athletic Training
- Exercise Science
- Physical Education

Minor
- Dance

Teacher Certification
- Health and Physical Education

Certificates
- Nutrition
- Sport Performance Coaching

Physical activity courses are offered through general education in the Department of Movement Activities and Lifetime Fitness. These movement activities and lifetime fitness experiences are intended to develop and improve the lifetime sport and fitness skills of the individual and to improve the student’s perception of the role of dance, exercise and sport in living.

As our society becomes more technical, there is an increased need to enhance its vigor and productivity by managing stress, mastering the art of relaxation, and developing healthful lifetime activity skills.

Academic Advising for Exploratory/U undeclared Studies Students

Fast Facts About the Exploratory/U undeclared Studies Student
- More than 600 ESU students have not yet declared a major.
- “Exploratory/U undeclared” is one of the largest majors on campus.
- More than 200 freshmen enter ESU as exploratory/undeclared every year.
- Nationally, almost 50 percent of students who enter college and universities are undecided about their academic and career goals.
- Seventy-five percent of students in colleges and universities change their majors at least once before graduation.
- On average, people change their careers seven times throughout their lives.

Selecting a major does not mean you are stuck in a career!

Advisee Responsibilities

As an advisee, you have clear responsibilities in the advising partnership. In order to be successful, you should:
- Schedule an appointment with your academic adviser during each semester.
- Arrive prepared to each appointment with questions and your advising portfolio.
- Keep an advising portfolio where you keep official documents and keep a record of your progress toward meeting your educational goals.
- Enroll in the courses that you and your academic adviser have determined from educational objectives.
• Be an active learner by participating fully in the advising experience.
• Declare a major by 60 credits.

**Advantages of the Exploratory/Undeclared Major**

- Students may take the time they need to clarify life and career goals.
- Students can develop a suitable educational plan.
- Students receive assistance with the selection of appropriate courses.
- Students receive help with interpreting institutional requirements.
- Students receive help with exploring other majors.

**Majors: Choosing and Changing**

If you haven’t chosen a major, don’t worry. You’re in good company. Many students are undecided about their majors when they enter college, and many who decided change their minds more than once before they graduate. Use your freshman year and the general education curriculum to explore academic options, and to sample ideas and approaches from other disciplines.

Examine your academic interests by asking yourself these questions: What do I do well? What subjects did I enjoy in high school? What activities did I participate in? What do I like to read about? If you have any special skills or interests, they should be apparent from how you answer these questions. A good guide to what really interests you is what you choose to do on your own, as well as your previous experiences with part-time work, volunteer work, hobbies, sports, and travel.

**Office of Academic Advising for Exploratory/Undeclared Students**

The primary purpose of the Office of Academic Advising for Exploratory/Undeclared Students is to assist students who are undecided about a major in the development of meaningful educational plans that are compatible with students’ life goals. Academic advisers provide assistance with:

- General course selection
- Explanation of degrees and degree requirements
- Development of a program of study
- Selection of an academic major
- Academic concerns and issues
- Referral to other ESU resources and services
- Unofficial progress check toward graduation

Academic advisers for the undeclared student apply knowledge of teaching, advising, learning, and human development to encourage educational experiences that lead to intellectual and personal growth.

**Director of Undeclared Advising**
Dr. Jack Truschel
jtruschel@esu.edu

For more information, contact the department at 570-422-3164.

Rosenkrans East www.esu.edu/advising

---

**National Honor Societies**

<table>
<thead>
<tr>
<th>Society</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha Psi Omega</td>
<td>Dramatic Fraternity</td>
</tr>
<tr>
<td>Alpha Kappa Delta</td>
<td>Sociology Honor Society</td>
</tr>
<tr>
<td>Chi Alpha Epsilon</td>
<td>Student Support Services Honor Society</td>
</tr>
<tr>
<td>Delta Alpha Pi</td>
<td>Students with Disabilities Honor Society</td>
</tr>
<tr>
<td>Eta Sigma Delta</td>
<td>Hotel, Restaurant, and Tourism Management Honorary</td>
</tr>
<tr>
<td>Eta Sigma Gamma</td>
<td>Health Science and Education Honor Society</td>
</tr>
<tr>
<td>Gamma Theta Upsilon</td>
<td>Professional Geography Fraternity</td>
</tr>
<tr>
<td>Iota Iota Iota</td>
<td>Women’s Studies Honor Society</td>
</tr>
<tr>
<td>Kappa Delta Pi</td>
<td>Honor Society in Education</td>
</tr>
<tr>
<td>Lambda Pi Eta</td>
<td>Communication Honor Society</td>
</tr>
<tr>
<td>Omicron Delta Epsilon</td>
<td>Honor Society of Economics</td>
</tr>
<tr>
<td>Omicron Delta Kappa</td>
<td>Leadership Honorary</td>
</tr>
<tr>
<td>Phi Alpha Theta</td>
<td>History Fraternity</td>
</tr>
<tr>
<td>Phi Epsilon Kappa</td>
<td>Physical Education Honor Society</td>
</tr>
<tr>
<td>Phi Sigma Iota</td>
<td>Foreign Language Honor Society</td>
</tr>
<tr>
<td>Pi Sigma Alpha</td>
<td>Political Science Honor Society</td>
</tr>
<tr>
<td>Psi Chi</td>
<td>Psychology Honor Society</td>
</tr>
<tr>
<td>Rho Phi Lambda</td>
<td>Recreation Honor Fraternity</td>
</tr>
<tr>
<td>Sigma Beta Delta</td>
<td>International Honor Society in Business, Management and Administration</td>
</tr>
<tr>
<td>Sigma Phi Omega</td>
<td>Gerontology Academic Honor and Professional Society</td>
</tr>
<tr>
<td>Sigma Pi Sigma</td>
<td>Physics Honor Society within the Society of Physics Students</td>
</tr>
<tr>
<td>Sigma Tau Delta</td>
<td>English Honorary Fraternity</td>
</tr>
<tr>
<td>Sigma Theta Tau</td>
<td>Nursing Honorary</td>
</tr>
<tr>
<td>Sigma Xi</td>
<td>Sciences and Mathematics Honorary of the Scientific Research Society</td>
</tr>
</tbody>
</table>
### Course Prefix Key

The following abbreviations are used to identify courses referred to in this undergraduate catalog.

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC</td>
<td>Accounting</td>
</tr>
<tr>
<td>ART</td>
<td>Art</td>
</tr>
<tr>
<td>ATEP</td>
<td>Athletic Training</td>
</tr>
<tr>
<td>BIOL</td>
<td>Biology</td>
</tr>
<tr>
<td>BIOM</td>
<td>Marine Science</td>
</tr>
<tr>
<td>CHEM</td>
<td>Chemistry</td>
</tr>
<tr>
<td>CMST</td>
<td>Communication</td>
</tr>
<tr>
<td>CPSC</td>
<td>Computer Science</td>
</tr>
<tr>
<td>DAEL</td>
<td>Department of Academic Enrichment and Learning</td>
</tr>
<tr>
<td>DANC</td>
<td>Dance</td>
</tr>
<tr>
<td>DMET</td>
<td>Digital Media Technologies</td>
</tr>
<tr>
<td>ECED</td>
<td>Early Childhood Education</td>
</tr>
<tr>
<td>ECON</td>
<td>Economics</td>
</tr>
<tr>
<td>ELED</td>
<td>Elementary Education</td>
</tr>
<tr>
<td>ENGL</td>
<td>English</td>
</tr>
<tr>
<td>EXSC</td>
<td>Exercise Science</td>
</tr>
<tr>
<td>MLNG</td>
<td>Modern Languages</td>
</tr>
<tr>
<td>MLSP</td>
<td>Spanish</td>
</tr>
<tr>
<td>GEOG</td>
<td>Geography</td>
</tr>
<tr>
<td>GSCI</td>
<td>General Science</td>
</tr>
<tr>
<td>HIST</td>
<td>History</td>
</tr>
<tr>
<td>HLTH</td>
<td>Health</td>
</tr>
<tr>
<td>HRTM</td>
<td>Hotel, Restaurant and Tourism Management</td>
</tr>
<tr>
<td>IIS</td>
<td>Intercultural and Interdisciplinary Studies</td>
</tr>
<tr>
<td>MATH</td>
<td>Mathematics</td>
</tr>
<tr>
<td>MGT</td>
<td>Business Management</td>
</tr>
<tr>
<td>MUS</td>
<td>Music</td>
</tr>
<tr>
<td>NURS</td>
<td>Nursing</td>
</tr>
<tr>
<td>PETE</td>
<td>Physical Education Teacher Education</td>
</tr>
<tr>
<td>PHIL</td>
<td>Philosophy</td>
</tr>
<tr>
<td>PHYS</td>
<td>Physics</td>
</tr>
<tr>
<td>POLS</td>
<td>Political Science</td>
</tr>
<tr>
<td>PSED</td>
<td>Professional and Secondary Education</td>
</tr>
<tr>
<td>PSY</td>
<td>Psychology</td>
</tr>
<tr>
<td>RECR</td>
<td>Recreation</td>
</tr>
<tr>
<td>REED</td>
<td>Reading</td>
</tr>
<tr>
<td>SMGT</td>
<td>Sport Management</td>
</tr>
<tr>
<td>SOC</td>
<td>Sociology</td>
</tr>
<tr>
<td>SOCJ</td>
<td>Criminal Justice</td>
</tr>
<tr>
<td>SOSW</td>
<td>Social Work</td>
</tr>
<tr>
<td>SPED</td>
<td>Special Education</td>
</tr>
<tr>
<td>SPPA</td>
<td>Speech Language Pathology</td>
</tr>
<tr>
<td>SPRE</td>
<td>Rehabilitative Services</td>
</tr>
<tr>
<td>THTR</td>
<td>Theatre</td>
</tr>
<tr>
<td>WMST</td>
<td>Women’s Studies</td>
</tr>
</tbody>
</table>
Academic Programs and Courses

Academic Enrichment and Learning

**Department Chair:**
Kelly McKenzie, Chair (kmckenzie@esu.edu)

**Professor:**
Jack Truschel, (jtruschel@esu.edu)

**Assistant Professor:**
Beverlyn Grace-Odeleye (beverlyn@esu.edu)
Kelly McKenzie, Chair (kmckenzie@esu.edu)
Jessica Santiago (jsantiago1@esu.edu)

**Department Professional Coaches:**
Jan Hoffman (jhoffman@esu.edu)
Eric Lee (elee10@esu.edu)
Matthew Simmons (msimmons@esu.edu)

**About the Program**
The mission of the Department of Academic Enrichment and Learning is to provide the diverse student population of ESU with support, opportunities and academic programs to enhance engagement; to support transition to the university; to encourage life-long learning; and to foster academic achievement and degree completion.

The Department offers advising for Exploratory Studies and ACHIEVE students (students who fall below a 2.0 GPA), STAR students, peer mentoring, and tutoring.

**Exploratory Studies:**
The Exploratory Studies program is designed to meet the needs of students who wish to explore their options in order to find a “best fit” major. Academic advisors and success coaches prepare undergraduate students to navigate all aspects of academic planning by promoting an atmosphere that encourages self-exploration and resource utilization in support of academic success, as well as the timely and informed pursuit of an academic major.

**Achieve:**
The Achieve program helps to empower and propel degree-seeking undergraduate students on academic warning towards persona and academic achievement. Faculty advisers and academic success coaches utilize appreciative, strengths-based academic coaching strategies to encourage self-awareness, develop action-steps to goal attainment, and the establishment of positive life habits.

**University-Wide Peer Mentor Program:**
The Peer Mentor program helps to ease the transition of new students to East Stroudsburg University so that they may succeed personally, socially, and academically. Additionally, the program helps each new student connect with other peers and an upper-class mentor, and ultimately the institution as a whole.

**University-Wide Tutorial Program:**
The Tutorial Program assists students with achieving personal, academic, and career goals by enabling them adapt to the academic environment of college, improve their academic success, and enhance the quality of their scholarly work. The program provides high-quality academic assistance through one-on-one, walk-in, and small group peer tutoring and peer Learning Assistance for specific 100 and 200-level courses and some upper division courses.

These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

**DAEL - Academic Enrichment and Learning Courses**

**DAEL 290 - Special Topics (Semester hours arranged)**
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

**Accounting**
The Accounting program is housed within the Department of Business Management. Please see the Business Management department for the B.S. in Accounting requirements.

**Art + Design**

**College of Arts and Sciences**
**The Faculty of Arts and Letters**
Fine and Performing Arts Center, Room 233
570-422-3759
www.esu.edu/art

**About the Program**
The Art + Design Department offers two programs: the Bachelor of Fine Arts in Integrated Art + Design and the Bachelor of Arts in Art + Design. These programs prepare you for success in three areas of concentration: Design, Fine Arts and Art History.

The Bachelor of Fine Arts in Integrated Art and Design is a 60 credit professional program that allows you the flexibility to incorporate courses in other disciplines into your major concentrations of Fine and New Media Art, Graphic Design and Product Design. As the skills required in graphic, web and product design, illustration, new/multimedia art, arts administration and arts management increasingly overlap, integrating courses across the concentrations and in other disciplines like digital media, communications, sciences, management and other humanities will give you a wide breadth of creative, technical and professional competencies that will improve your career prospects. This program prepares you for entry-level positions or entrance into Master of Fine Arts graduate program.

The Bachelor of Arts in Art + Design is a 42 credit general program that develops skills in the areas of Design, Fine Art and Art History. Selected courses in these areas provide you with a foundation for careers or further study in these fields.

**Concentrations in Art + Design**
The Graphic and Product Design concentrations develops creativity, innovation and skills in the fields of graphic design and object/product design. A combination of hands on techniques and up to date industry standard digital design software prepare you for careers in visual communication and product design. Hands on studio projects and integrated design history and theory as well as courses in studio art and art history develop your aesthetic and cultural literacy, highly valued by professionals in the field. A required internship gives you real-world experiences and potential employment opportunities. The BFA program provides increased flexibility to integrate courses across the concentrations as well as from other disciplines as part of your major credit requirements.
The **Fine Art and the Fine and New Media Art** concentrations allows you to create your own individualized program in studio art by taking courses in a variety of artistic disciplines, whether your interest is in a traditional studio art or in the area of new media art which combines multiple disciplines in digital, installation, performance based art. If you plan a career as a studio or fine craft artist, in art therapy, teaching, or any field that values creativity, you may choose this concentration. A senior capstone project allows you to create a consummate record of your achievement that can be used for exhibition opportunities or entrance to graduate school. The BFA program provides increased flexibility to integrate courses across the concentrations as well as from other disciplines as part of your major credit requirements to prepare you for entering a Master of Fine Arts.

Required art history courses strengthen both the studio and design components by developing your aesthetic literacy, a highly valued qualification in all creative careers.

The **Art History** concentration (BA program only) develops your knowledge of major periods in art and architecture of the past to the present and an acquaintance with the art of non-Western cultures. Art history majors may develop careers in museums, galleries, restoration, journalism, education or arts administration. Art History majors are valued in areas as diverse as cultural consultancies to real estate to law for their strong research and writing skills. A senior capstone project requires you to complete a written thesis and/or curatorial experience. Highly qualified faculty and small class sizes provide individualized instruction that fosters creative and artistic growth.

**New Mind Design**, the student design agency is a student run, faculty mentored business where you will meet with real world clients to provide an array of design services, such as digital, graphic, display and product design, rendering and prototyping. The **Student Art Association** is a student run organization that provides art and creative activities and service to the university and the community.

**Choose Art + Design at ESU**
- Qualified, experienced faculty
- Small class size
- Exhibition opportunities in the Madelon Powers Art Gallery
- Specialized art studios and computer lab
- 3D printing and fabrication "**Stratasys SuperLab**"
- Student design agency

**Career Opportunities**
- Graphic, Web Designer
- Fine Artist
- Package Designer
- Illustrator
- Art therapist
- Display designer
- Art residences/teaching
- Product Designer
- Cartoonist
- Fine craftsman
- Concept artist
- Arts administrator
- Art conservationist
- Graduate school More information is available from the department.

**Facilities**
The Art + Design Department is proud to have been designated one of 3 "SuperLabs" on the East coast for our acquisition of a Stratasys J750 3D printer. This multi material, multi color printer will allow our students and lab collaborators to create the next generation of 3D printed prototypes in areas as diverse as art, design, architecture, geographic mapping, medical and scientific research. Our 3D lab also includes several other kinds of 3D printers, CNC and traditional shop equipment. Other facilities include well equipped specialized art studios, Mac and PC laptop labs, and "smart classrooms" for lectures. The Madelon Powers Art Gallery features a series of professional and student exhibitions. Trips to design companies, galleries, museums and conferences are scheduled every semester and artists and designers are often invited to speak and/or offer workshops.

**Art + Design, Bachelor of Art**

**CURRICULUM**

<table>
<thead>
<tr>
<th>Design Concentration</th>
<th>Required Major Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 151</td>
<td>GN: Basic Drawing</td>
</tr>
<tr>
<td>ART 153</td>
<td>GN: Two-Dimensional Design</td>
</tr>
<tr>
<td>ART 154</td>
<td>GN: Three-Dimensional Design</td>
</tr>
<tr>
<td>ART 201</td>
<td>GN: History of Art I</td>
</tr>
<tr>
<td>ART 202</td>
<td>GN: History of Art II</td>
</tr>
<tr>
<td>ART 220</td>
<td>GN: Graphic Design I</td>
</tr>
<tr>
<td>ART 254</td>
<td>GN: Painting I</td>
</tr>
<tr>
<td>ART 320</td>
<td>Graphic Design II</td>
</tr>
<tr>
<td>ART 405</td>
<td>Illustration</td>
</tr>
<tr>
<td>ART 414</td>
<td>Portfolio In Art + Design</td>
</tr>
<tr>
<td>ART 486</td>
<td>Field Experience &amp; Internship (Semester hours arranged) 3 - 15</td>
</tr>
</tbody>
</table>

**and one from:**
- ART 207 GN: Letterforms 3
- OR
- ART 280 GN: Design for Communication 3
- And
- ART 321 GE: Advanced Drawing 3
- OR
- ART 356 GE: Painting II 3
- OR
- ART 401 Composition & Painting 3
- And
- ART 290 Special Topics: (Semester hours arranged) 3
- OR
- ART ____ 300-400 level Art History 3

**Additional requirements**
Six directed GE credits:
- CMST 111 GN: Introduction to Communication 3
- OR
- CMST 253 GN: Public Speaking 3
- And
- CMST 126 GN: Introduction to Mass Media 3
- OR
- CMST 136 GN: Introduction to Popular Culture 3

**Fine Art Concentration**

**Required courses:**
- ART 151 GN: Basic Drawing 3
- ART 153 GN: Two-Dimensional Design 3
- ART 154 GN: Three-Dimensional Design 3
- ART 201 GN: History of Art I 3
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 202</td>
<td>GN: History of Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 254</td>
<td>GN: Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART 414</td>
<td>Portfolio in Art + Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 496</td>
<td>Fine Arts Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ART 290</td>
<td>Special Topics:</td>
<td>(Semester hours arranged)</td>
</tr>
<tr>
<td>OR</td>
<td>ART ___</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>300-400 level Art History</td>
<td>3</td>
</tr>
</tbody>
</table>

15 credits from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 220</td>
<td>GN: Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 251</td>
<td>GN: Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 252</td>
<td>GN: Product Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 253</td>
<td>GN: Ceramics I</td>
<td>3</td>
</tr>
<tr>
<td>ART 256</td>
<td>GE: Watercolor Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 260</td>
<td>GE: Printmaking I</td>
<td>3</td>
</tr>
<tr>
<td>ART 280</td>
<td>GN: Design for Communication</td>
<td>3</td>
</tr>
<tr>
<td>ART 290</td>
<td>Special Topics:</td>
<td>(Semester hours arranged)</td>
</tr>
<tr>
<td>ART 321</td>
<td>GE: Advanced Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 354</td>
<td>Ceramics II</td>
<td>3</td>
</tr>
<tr>
<td>ART 355</td>
<td>Ceramic Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 356</td>
<td>GE: Painting II</td>
<td>3</td>
</tr>
<tr>
<td>ART 405</td>
<td>Illustration</td>
<td>3</td>
</tr>
<tr>
<td>ART 485</td>
<td>IS:</td>
<td>2-6</td>
</tr>
</tbody>
</table>

**Art History Concentration**

**Required courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 151</td>
<td>GN: Basic Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 153</td>
<td>GN: Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 201</td>
<td>GN: History of Art I</td>
<td>3</td>
</tr>
<tr>
<td>ART 202</td>
<td>GN: History of Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 496</td>
<td>Fine Arts Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

and one from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 154</td>
<td>GN: Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 251</td>
<td>GN: Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 253</td>
<td>GN: Ceramics I</td>
<td>3</td>
</tr>
</tbody>
</table>

and one from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 254</td>
<td>GN: Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART 256</td>
<td>GE: Watercolor Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 260</td>
<td>GE: Printmaking I</td>
<td>3</td>
</tr>
<tr>
<td>ART 321</td>
<td>GE: Advanced Drawing</td>
<td>3</td>
</tr>
</tbody>
</table>

and 21 credits from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101</td>
<td>GN: Introduction to Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 290</td>
<td>Special Topics:</td>
<td>(Semester hours arranged)</td>
</tr>
<tr>
<td>ART 302</td>
<td>American Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 304</td>
<td>GE: Art Gallery Management</td>
<td>3</td>
</tr>
<tr>
<td>ART 305</td>
<td>Art Since 1940</td>
<td>3</td>
</tr>
<tr>
<td>ART 307</td>
<td>Modern Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 317</td>
<td>Modern Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ART 322</td>
<td>The History of Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 412</td>
<td>WS: Women Artists: From the Middle Ages to the Present</td>
<td>3</td>
</tr>
<tr>
<td>ART 485</td>
<td>IS:</td>
<td>2-6</td>
</tr>
<tr>
<td>ART 486</td>
<td>Field Experience &amp; Internship</td>
<td>3-15</td>
</tr>
</tbody>
</table>

(Additional requirements: Directed GE credits:
Six credits from History, Modern Languages, English, Philosophy, Music History or Theater History)

**Other Requirements:**

- At least 20 credits in Art must be completed at East Stroudsburg University in the Art Department.
- Please view the university requirements in this catalog.

**4 YEAR CURRICULUM PROGRAM PLAN**

(Subject to change by the university without notice)

**Design Concentration - 42 credits**

**Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 151</td>
<td>GN: Basic Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 153</td>
<td>GN: Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 154</td>
<td>GN: Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 254</td>
<td>GN: Painting I</td>
<td>3</td>
</tr>
<tr>
<td>CMST 126</td>
<td>GN: Introduction to Mass Media</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMST 136</td>
<td>GN: Introduction to Popular Culture</td>
<td>3</td>
</tr>
<tr>
<td>GN: ____</td>
<td>General Education Elective - Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Semester 3**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 220</td>
<td>GN: Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 201</td>
<td>GN: History of Art I</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective - Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Semester 4**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 202</td>
<td>GN: History of Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 207</td>
<td>GN: Letterforms</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 280</td>
<td>GN: Design for Communication</td>
<td>3</td>
</tr>
<tr>
<td>GN: ____</td>
<td>General Education Elective - Social Science</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Semester 5**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 320</td>
<td>Graphic Design II</td>
<td>3</td>
</tr>
<tr>
<td>ART 321</td>
<td>GE: Advanced Drawing</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 356</td>
<td>GE: Painting II</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 401</td>
<td>Composition &amp; Painting</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Semester 6**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART ____</td>
<td>300-400 level Art History</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td>XXX ____</td>
<td>Upper Division Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**
### Semester 7

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 405</td>
<td>Illustration</td>
<td>3</td>
</tr>
<tr>
<td>ART 486</td>
<td>Field Experience &amp; Internship (Semester hours arranged)</td>
<td>3 - 15</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>PHIL ___</td>
<td>Two other 300 or 400 level PHIL courses</td>
<td>6</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

### Semester 8

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 414</td>
<td>Portfolio In Art + Design</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>6</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Upper Level Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

### Fine Art Concentration - 42 credits

#### Semester 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 151</td>
<td>GN: Basic Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 153</td>
<td>GN: Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Natural Science General Education</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 154</td>
<td>GN: Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 254</td>
<td>GN: Painting I</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Social Science General Education course</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Semester 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 201</td>
<td>GN: History of Art I</td>
<td>3</td>
</tr>
<tr>
<td>ART 251</td>
<td>GN: Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 252</td>
<td>GN: Product Design I</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 253</td>
<td>GN: Ceramics I</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Natural Science General Education</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
<td>6</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Semester 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 202</td>
<td>GN: History of Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 256</td>
<td>GE: Watercolor Painting</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 321</td>
<td>GE: Advanced Drawing</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 356</td>
<td>GE: Painting II</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Semester 5

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXXX ___</td>
<td>Concentration-based Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Courses</td>
<td>12</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Semester 6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXXX ___</td>
<td>Concentration-based Elective</td>
<td>3</td>
</tr>
<tr>
<td>ART ___</td>
<td>300-400 level Art History</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Free Elective - Level 300/400</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

### Art History Concentration - 42 credits

#### Semester 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 151</td>
<td>GN: Basic Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 153</td>
<td>GN: Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 201</td>
<td>GN: History of Art I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Natural Science General Education</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 202</td>
<td>GN: History of Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 254</td>
<td>GN: Painting I</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
<td>6</td>
</tr>
</tbody>
</table>

**One from:**

- ART 154 | GN: Three-Dimensional Design | 3
- OR
- ART 251 | GN: Sculpture                  | 3
- OR
- ART 253 | GN: Ceramics I                 | 3

**Subtotal:** 15

#### Semester 3 - 7

**21 credits from:**

- ART 101 | GN: Introduction to Art          | 3
- ART 290 | Special Topics: (Semester hours arranged) | 3
- ART 302 | American Art                      | 3
- ART 304 | GE: Art Gallery Management        | 3
- ART 305 | Art Since 1940                    | 3
- ART 307 | Modern Art                        | 3
- ART 317 | Modern Architecture               | 3
- ART 322 | The History of Photography        | 3
- ART 412 | WS: Women Artists: From the Middle Ages to the Present | 3
- ART 485 | IS:                               | 2 - 6
- ART 486 | Field Experience & Internship     | 3 - 15

(Semester hours arranged)

**Subtotal:** 21

**General electives must include 6 credits from the following:**

- History, Modern Languages, English, Philosophy, Music History or Theater History

Between semesters 3 - 7, 35 distributive GE (General education) and 27 elective credits must be completed. 12 of those credits must be 300/400 level courses

#### Semester 8

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 496</td>
<td>Fine Arts Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ART ___</td>
<td>300-400 level Art History</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15
For more information contact the Department of Art 570-422-3694, www.esu.edu/art

### Integrated Art and Design, Bachelor of Fine Arts

#### PROGRAM FEATURES

60 credits

**Required Core Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 151</td>
<td>GN: Basic Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 153</td>
<td>GN: Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 154</td>
<td>GN: Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 201</td>
<td>GN: History of Art I</td>
<td>3</td>
</tr>
<tr>
<td>ART 202</td>
<td>GN: History of Art II</td>
<td>3</td>
</tr>
</tbody>
</table>

**CONCENTRATIONS:**

**Fine and New Media Art Concentration**

Courses required for the Fine and New Media Art Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 251</td>
<td>GN: Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 253</td>
<td>GN: Ceramics I</td>
<td>3</td>
</tr>
<tr>
<td>ART 254</td>
<td>GN: Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART 414</td>
<td>Portfolio In Art + Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 496</td>
<td>Fine Arts Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ART XXX</td>
<td>One upper level art history course</td>
<td>3</td>
</tr>
<tr>
<td>ART XXX</td>
<td>Five design or studio arts courses</td>
<td>15</td>
</tr>
</tbody>
</table>

And 15 credit hours from other disciplines, including ART, upon advisement from faculty in both Art + Design and related departments. At least 6 credits must be from 300-400 level courses.

**Graphic Design Concentration**

Courses required for the Graphic Design Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 207</td>
<td>GN: Letterforms</td>
<td>3</td>
</tr>
<tr>
<td>ART 220</td>
<td>GN: Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 252</td>
<td>GN: Product Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 211</td>
<td>GN: Infographics &amp; Data</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 280</td>
<td>GN: Design for Communication</td>
<td>3</td>
</tr>
<tr>
<td>ART 320</td>
<td>Graphic Design II</td>
<td>3</td>
</tr>
<tr>
<td>ART 351</td>
<td>Advanced 3D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 405</td>
<td>Illustration</td>
<td>3</td>
</tr>
<tr>
<td>ART 414</td>
<td>Portfolio In Art + Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 420</td>
<td>Graphic Design 3:Design Agency</td>
<td>3</td>
</tr>
<tr>
<td>ART 486</td>
<td>Field Experience &amp; Internship</td>
<td>3 - 15</td>
</tr>
</tbody>
</table>

(Semester hours arranged)

One additional Art History course from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 290</td>
<td>Special Topics:</td>
<td></td>
</tr>
<tr>
<td>ART 302</td>
<td>American Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 304</td>
<td>GE: Art Gallery Management</td>
<td>3</td>
</tr>
<tr>
<td>ART 305</td>
<td>Art Since 1940</td>
<td>3</td>
</tr>
<tr>
<td>ART 307</td>
<td>Modern Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 317</td>
<td>Modern Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ART 322</td>
<td>The History of Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 412</td>
<td>WS: Women Artists: From the Middle Ages to the Present</td>
<td>3</td>
</tr>
<tr>
<td>ART 485</td>
<td>IS:</td>
<td>2 - 6</td>
</tr>
</tbody>
</table>

And 9 semester hours from interdisciplinary areas, including ART upon advisement from faculty in both Art + Design and related department(s). At least 6 credits must be from advanced level courses. Suggested but not limited to areas of interdisciplinary study: CMST, DMET, MGT and THTR.

**Co-requisite course**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

**Product Design Concentration**

Courses required for Product Design Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 220</td>
<td>GN: Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 252</td>
<td>GN: Product Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 255</td>
<td>Materials and Processes</td>
<td>3</td>
</tr>
<tr>
<td>ART 320</td>
<td>Graphic Design II</td>
<td>3</td>
</tr>
<tr>
<td>ART 330</td>
<td>Digital Sculpting and Modeling</td>
<td>3</td>
</tr>
<tr>
<td>ART 351</td>
<td>Advanced 3D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 352</td>
<td>Product Design II</td>
<td>3</td>
</tr>
<tr>
<td>ART 414</td>
<td>Portfolio In Art + Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 452</td>
<td>Object Design 3</td>
<td>3</td>
</tr>
<tr>
<td>ART 486</td>
<td>Field Experience &amp; Internship</td>
<td>3 - 15</td>
</tr>
</tbody>
</table>

(Semester hours arranged)

One additional Art History course from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 290</td>
<td>Special Topics:</td>
<td></td>
</tr>
<tr>
<td>ART 302</td>
<td>American Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 304</td>
<td>GE: Art Gallery Management</td>
<td>3</td>
</tr>
<tr>
<td>ART 305</td>
<td>Art Since 1940</td>
<td>3</td>
</tr>
<tr>
<td>ART 307</td>
<td>Modern Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 317</td>
<td>Modern Architecture</td>
<td>3</td>
</tr>
</tbody>
</table>

**4 YEAR CURRICULUM PROGRAM PLAN**

(Subject to change by the university without notice)

### Fine and New Media Art Concentration

#### Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 151</td>
<td>GN: Basic Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 153</td>
<td>GN: Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 201</td>
<td>GN: History of Art I</td>
<td>3</td>
</tr>
<tr>
<td>ART 202</td>
<td>GN: History of Art II</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 154</td>
<td>GN: Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 254</td>
<td>GN: Painting I</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
<td>6</td>
</tr>
</tbody>
</table>

Subtotal: 15
### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 201</td>
<td>GN: History of Art I</td>
<td>3</td>
</tr>
<tr>
<td>ART 251</td>
<td>GN: Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>OR ART 253</td>
<td>GN: Ceramics I</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 202</td>
<td>GN: History of Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART</td>
<td>Studio Art or Design Course</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

### Junior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART</td>
<td>Studio Art or Design Course</td>
<td>6</td>
</tr>
<tr>
<td>ART</td>
<td>Upper Level Art History Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>Elective</td>
<td>6</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART</td>
<td>Art or Design Course with 3-0-6 Designation</td>
<td>6</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

### Senior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART</td>
<td>Art or Design Course with 3-0-6 Designation</td>
<td>6</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

**Subtotal:** 0-15

### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 414</td>
<td>Portfolio In Art + Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 496</td>
<td>Fine Arts Seminar</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>Upper Level Electives 3-9 credits</td>
<td>3-9</td>
</tr>
</tbody>
</table>

**Subtotal:** 0-15

### Graphic Design Concentration

#### Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 151</td>
<td>GN: Basic Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 153</td>
<td>GN: Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 154</td>
<td>GN: Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 220</td>
<td>GN: Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 201</td>
<td>GN: History of Art I</td>
<td>3</td>
</tr>
<tr>
<td>ART 207</td>
<td>GN: Letterforms</td>
<td>3</td>
</tr>
<tr>
<td>ART 252</td>
<td>GN: Product Design I</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 202</td>
<td>GN: History of Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 211</td>
<td>GN: Infographics &amp; Data Visualization</td>
<td>3</td>
</tr>
<tr>
<td>OR ART 280</td>
<td>GN: Design for Communication</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

### Junior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 255</td>
<td>Materials and Processes</td>
<td>3</td>
</tr>
<tr>
<td>OR XXXX</td>
<td>Interdisciplinary Elective</td>
<td>3</td>
</tr>
<tr>
<td>ART 320</td>
<td>Graphic Design II</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>ART</td>
<td>Upper Level Art History Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 330</td>
<td>Digital Sculpting and Modeling</td>
<td>3</td>
</tr>
<tr>
<td>OR ART 351</td>
<td>Advanced 3D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 420</td>
<td>Graphic Design 3:Design Agency</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Senior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 405</td>
<td>Illustration</td>
<td>3</td>
</tr>
<tr>
<td>ART 486</td>
<td>Field Experience &amp; Internship (Semester hours arranged)</td>
<td>3-15</td>
</tr>
<tr>
<td>XXXX</td>
<td>Upper Level Electives 3-9 credits</td>
<td>3-9</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 414</td>
<td>Portfolio In Art + Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 487</td>
<td>Independent Study in Studio/Design: Electives 3-9 credits</td>
<td>3-9</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

### Product Design Concentration

#### Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 151</td>
<td>GN: Basic Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 153</td>
<td>GN: Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 154</td>
<td>GN: Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 220</td>
<td>GN: Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 201</td>
<td>GN: History of Art I</td>
<td>3</td>
</tr>
<tr>
<td>ART 207</td>
<td>GN: Letterforms</td>
<td>3</td>
</tr>
<tr>
<td>ART 252</td>
<td>GN: Product Design I</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 202</td>
<td>GN: History of Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 211</td>
<td>GN: Infographics &amp; Data Visualization</td>
<td>3</td>
</tr>
<tr>
<td>OR ART 280</td>
<td>GN: Design for Communication</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Graphic Design Concentration

#### Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 151</td>
<td>GN: Basic Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 153</td>
<td>GN: Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 154</td>
<td>GN: Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 220</td>
<td>GN: Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15
Sophomore Year Fall
ART 201  GN: History of Art I  3
ART 130  GN: Introduction to 3D Printing  3
ART 252  GN: Product Design I  3
GenEd ___ General Education Elective  3
GenEd ___ General Education Elective  3
Subtotal: 15

Spring
ART 202  GN: History of Art II  3
ART 255  Materials and Processes  3
GenEd ___ General Education Elective  3
GenEd ___ General Education Elective  3
Subtotal: 15

Junior Year Fall
ART 320  Graphic Design II  3
ART ___  ART Elective  3
ART ___  Upper Level Art History Elective  3
GenEd ___ General Education Course  3
GenEd ___ General Education Elective  3
Subtotal: 15

Spring
ART 330  Digital Sculpting and Modeling  3
OR
ART 351  Advanced 3D Design  3
ART 352  Product Design II  3
GenEd ___ General Education Elective  3
GenEd ___ General Education Elective  3
GenEd ___ General Education Elective  3
Subtotal: 15

Senior Year Fall
ART 452  Object Design 3  3
ART 486  Field Experience & Internship (Semester hours arranged)  3 - 15
XXXX ___ Upper Level Electives 3-9 credits  3-9
Subtotal: 15

Spring
ART 414  Portfolio In Art + Design  3
ART 487  Independent Study in Studio/Design: Electives 3-9 credits  3-9
Subtotal: 15

For more information, contact the Department of Art + Design 570-422-3694, www.esu.edu/art

Art History, Minor

PROGRAM FEATURES
18 credits

Required courses:
ART 101  GN: Introduction to Art  3
ART 151  GN: Basic Drawing  3
Subtotal: 6

Must select one course:
ART 201  GN: History of Art I  3
ART 202  GN: History of Art II  3
Subtotal: 3

and 9 semester hours from:
ART 201  GN: History of Art I  3
ART 202  GN: History of Art II  3
ART 302  American Art  3
ART 305  Art Since 1940  3
ART 307  Modern Art  3
ART 317  Modern Architecture  3
ART 322  The History of Photography  3
ART 412  WS: Women Artists: From the Middle Ages to the Present  3
ART 485  IS: Semester hours arranged)  3
ART 486  Field Experience & Internship (Semester hours arranged)  3
Subtotal: 9

ART 201 or ART 202 are required; but may not be counted as both core and elective. ART 486 may be taken for a maximum of 3 credits.

Studio Art, Minor

PROGRAM FEATURES
18 credits

Required courses:
ART 101  GN: Introduction to Art  3
ART 151  GN: Basic Drawing  3
ART 254  GN: Painting I  3
Subtotal: 9

Must select one course:
ART 251  GN: Sculpture  3
ART 253  GN: Ceramics I  3
Subtotal: 3

and 6 semester hours from:
ART 130  GN: Introduction to 3D Printing  3
ART 207  GN: Letterforms  3
ART 220  GN: Graphic Design I  3
ART 252  GN: Product Design I  3
ART 256  GE: Watercolor Painting  3
ART 260  GE: Printmaking I  3
ART 310  Painting Seascapes: Ocean Bays and Marshes  3
ART 321  GE: Advanced Drawing  3
ART 330  Digital Sculpting and Modeling  3
ART 351  Advanced 3D Design  3
ART 354  Ceramics II  3
ART 355  Ceramic Sculpture  3
ART 356  GE: Painting II  3
ART 401  Composition & Painting  3
ART 405  Illustration  3
ART 485  IS:  2 - 6
Subtotal: 6

Data Visualization [Certificate]

PROGRAM FEATURES
12 credits

Required courses
ART 211  GN: Infographics & Data Visualization  3
ART 280  GN: Design for Communication  3
Subtotal: 6

One of the following two courses
MATH 110  GN: General Statistics  3
MATH 311  Statistics I  3
Subtotal: 3

One of the following five courses
ECON 415  Econometrics  3
MATH 402  Applied Statistical Methods  3
MGT 250  Quantitative Business Analysis  3
PSY 201  Quantitative Psychology  3
SOC 254  Quantitative Analysis in Sociology, Social Work & Criminal Justice

3D Printing [Certificate]

PROGRAM FEATURES

12 Credits

**Required courses**

- ART 130  GN: Introduction to 3D Printing  3
- And select any 3 courses
- ART 252  GN: Product Design I  3
- ART 255  Materials and Processes  3
- ART 330  Digital Modeling  3
- ART 333  Advanced 3D Printing  3
- ART 351  Advanced 3D Design  3

**Art + Design Faculty**

**Professors:**
Darlene Farris-Labar, Chair (dfarris@esu.edu)
David Mazure (dmazure@esu.edu)

**Associate Professors:**
Melissa Geiger (mgeiger@esu.edu)

**Assistant Professors:**
Xue Dong (xdong@esu.edu)

**Instructor:**
Wesley Brown (wbrown21@esu.edu)

**ART - Art Courses**

**ART 101 - GN: Introduction to Art (3 credits)**
This course is an introduction to art of western culture with emphasis on painting, sculpture, and architecture through the ages.

**ART 130 - GN: Introduction to 3D Printing (3 credits)**
This course introduces students to the processes and creative usages of 3D printing and related techniques, procedures and applications. Students will be introduced to the latest developments and challenges of 3D printing while developing skills in 3D software, digital modeling techniques, 3D scanning, 3D printing materials and post-processing techniques.

**ART 151 - GN: Basic Drawing (3 credits)**
This course is an introduction to many drawing approaches with a variety of media and subject matter.

**ART 153 - GN: Two-Dimensional Design (3 credits)**
This course is a study of basic design concepts fundamental in the visual arts.

**ART 154 - GN: Three-Dimensional Design (3 credits)**
This is a foundation course in the development of concepts in three-dimensional design. The course involves the use of various materials and organizational concepts to create form.

**ART 201 - GN: History of Art I (3 credits)**
This course consists of detailed study of the history of art to the Renaissance. It is designed to express the relationship between the artists and common historical, geographical, and ideological contexts and to note influences of other cultures on our own. It is offered in the fall semester.

**ART 202 - GN: History of Art II (3 credits)**
This course consists of detailed study of the history of art from the Renaissance to modern times. It is offered in the spring semester.

**ART 207 - GN: Letterforms (3 credits)**
This studio course introduces the art of letterforms for fine art and graphic design. Projects explore type form and content relationships. Projects, presentations, and assignments emphasize type design, type history, and font manipulation to bring visual resonance to written and visual language. The course explores creative uses of type with both traditional and digital media.

**ART 211 - GN: Infographics & Data Visualization (3 credits)**
This course is an introduction to the principles of visually representing information with digital media. Students will communicate data in a concise manner to a mass audience. Emphasis will be placed upon design principles in displaying information using charts, maps, diagrams, posters, and visual narratives.

**ART 212 - Animation (3 credits)**
This course is an introduction to animation. Students will be introduced to traditional and digital techniques used in stop-motion, claymation, 2-D and/or 3-D computer animation. Basic animation theories and processes and fundamental principles of character design, layout, and storyboarding will be emphasized.

**ART 220 - GN: Graphic Design I (3 credits)**
This course is an introduction to graphic design. Students develop ideational and creative strategies for problem solving and project management in the field of design. The tools, media, techniques and production processes used in art and design will be emphasized.

**ART 251 - GN: Sculpture (3 credits)**
This course explores sculpture processes in a variety of media and considers the idea of sculpture broadly. Students will be introduced to hands on techniques as well as the use of digital technology in creating three dimensional works in one or multiple media.
ART 252 - GN: Product Design I (3 credits)
This course introduces students to the process of object design through work on a themed project. Students will work individually and in teams through the stages of the design process, from ideation to prototype. Distribution: GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

ART 253 - GN: Ceramics I (3 credits)

ART 254 - GN: Painting I (3 credits)
This is an introductory course in oil painting with a focus on color and painting techniques as well as the development of visual awareness. Previous drawing experience or ability recommended. Distribution: GE: Humanities – Fine Arts | GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

ART 255 - Materials and Processes (3 credits)
This course is designed to provide students with refined understanding of three dimensional form. It will introduce hands-on studio practices that are necessary in product design. Students will use their digital skills in industry related applications such as mold making, vacuum forming and CNC milling. Prerequisite: ART 252.

ART 256 - GE: Watercolor Painting (3 credits)
This is a study of watercolor painting with emphasis on color, composition, pictorial expression, techniques, and materials. Distribution: GE: Humanities - Fine Arts. Prerequisite: ART151.

ART 257 - GN: Ceramic Sculpture (3 credits)
This is a course in using clay as a sculptural medium. Various techniques will be used in creating sculptures from in round to relief. Traditional and alternative finishing and firing techniques will be explored. (This course was formerly ART 355) Distribution: GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

ART 258 - Digital Painting (3 credits)
This is an introductory course in digital painting with a focus on color theory and digital painting techniques.

ART 260 - GE: Printmaking I (3 credits)
This is a basic course in printmaking. Content: Relief, Intaglio, Lithography, and Serigraphy. Distribution: GE: Humanities - Fine Arts. Prerequisite: ART151.

ART 280 - GN: Design for Communication (3 credits)
This is an introductory graphic design course focusing on visual communication. The focus of this course is layout design and layout design software. Other topics that will be covered include: symbols, logo design, patterns, and themes prevalent to current design discourse. Distribution: GE: Humanities – Fine Arts | GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

ART 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

ART 302 - American Art (3 credits)
This course explores American art from the colonial era to 1940 through the examination of paintings, sculpture, architecture, and photography. Special emphasis will be given to the cultural and historical contexts in which American art flourished.

ART 305 - Art Since 1940 (3 credits)
This course explores major art movements that have evolved since 1940. Special consideration will be given to the cultural and social circumstances that fueled the art of this time period. Distribution: Advanced | Level III Writing (W3). Prerequisite: ART 101 or ART 202 and a Level II Writing course.

ART 310 - Painting Seascapes: Ocean Bays and Marshes (3 credits)
This course is an intensive painting experience on location at the Marine Science Consortium at Wallops Island, Virginia. Students will paint at Chincoteague National Wildlife Refuge, Chincoteague Island, and at Wallops Island. Instruction will include seascape paintings incorporating the different cloud formations, flora and fauna of the area, and water movements of the sea, surf, and marshes. The light at daybreak and sunset as well as differing weather conditions will also be studied. Distribution: Advanced.

ART 311 - Art & Design Entrepreneurship (3 credits)
Students will explore small business and social entrepreneurship in the visual arts. In-class lectures and presentations will be supplemented by guest speakers and class trips. Students will engage in professional entrepreneurship in the arts projects. Topics covered in this course include, but are not limited to: arts administration, freelancing, online marketing and web design, business law and financing in the arts. Distribution: Advanced (ADV). Prerequisite: (4) of the following courses: ART 101, ART 130, ART 151, ART 153, ART 220, ART 251, ART 252, ART 253, ART 254, ART 255, ART 280, THTR 101, THTR 210, THTR 220, THTR 230, THTR 240, DMET 100, DMET 105, DMET 205, MGT 200, or MGT 204.

ART 312 - Advanced Animation (3 credits)
This is an advanced animation course that uses industry standard 3D animation software. The constructing of intricate 3D models and complex animated scenes will emphasized. Projects will involve the creation of original short animations that utilize technical and experimental effects. Prerequisite: ART212.

ART 317 - Modern Architecture (3 credits)
This course traces the major tendencies of American and European architecture from the 18th to the 20th century. Students will examine the roots of Modern architecture in relation to culture and society, and will focus on issues concerning style, technology, urbanism, regionalism, organicism, and reform. Distribution: Advanced (ADV) | Level III Writing (W3). Prerequisite: ART 201 OR ART 202 and a Level II Writing course.

ART 320 - Graphic Design II (3 credits)
This course is an upper level course in graphic art and design. Students develop ideational and creative strategies for problem solving and project
management in the field of design. The tools, media, techniques and production processes used in art and design will be emphasized.

Distribution: Advanced. Prerequisite: ART 153 AND ART 220.

ART 321 - GE: Advanced Drawing (3 credits)
Emphasis is on the human figure, using various media and techniques.
Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: ART 151.

ART 322 - The History of Photography (3 credits)
This course offers a survey of photography from its origin in the 19th century to the present. Students will study photography as a fine art medium, focusing on major artistic movements and examining their socio-historical contexts. This course is non-technical in nature.
Distribution: Advanced (ADVD) | Level III Writing (W3). Prerequisite: ART 101 OR ART 202 and a Level II Writing course.

ART 330 - Digital Modeling (3 credits)
This course will introduce students to the processes and creative usages of 3D printing and related techniques, procedures and applications. Students will be introduced to the latest developments and challenges of 3D printing while developing skills in 3D software, digital modeling techniques, 3D scanning, 3D printing materials and post-processing techniques.
Distribution: Advanced (ADVD). Prerequisite: One of the following: ART 130, ART 251, ART 220, ART 154 or ART 252.

ART 333 - Advanced 3D Printing (3 credits)
Distribution: Advanced (ADVD).

ART 351 - Advanced 3D Design (3 credits)
This course is an upper level course about the contemporary practice of 3D design. This course will teach a range of 3D printing techniques and other emerging technologies that can be integrated into various 3D forms. Concepts learned from contemporary sculpture, graphic design and product design will offer students a wide range of media to build creative 3D design projects.
Distribution: Advanced. Prerequisite: One of the following: ART 130, ART 251, ART 220, ART 154, or ART 252.

ART 352 - Product Design II (3 credits)
This course is an advanced exploration of the professional practice of product design. 3D printing and additive manufacturing technology, materials and methods will be used in the development of product design projects. Client based projects and collaboration will offer students real world scenarios throughout the conception, design, and prototyping process.
Distribution: Advanced. Prerequisite: Art 154 AND ART 252.

ART 354 - Ceramics II (3 credits)
The basic focus of this course is wheel throwing, advanced hand building techniques, and glaze formulation.
Distribution: Advanced. Prerequisite: ART253.

ART 355 - Ceramic Sculpture (3 credits)
Various methods of ceramic sculpture are explored ranging from in-the-round to relief.
Distribution: Advanced. Prerequisite: ART253.

ART 356 - GE: Painting II (3 credits)
Students are given the opportunity to work in greater depth in acrylics or oils to develop individual approaches, techniques, and forms of creative expression.
Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: ART254.

ART 401 - Composition & Painting (3 credits)
It is a course with emphasis on color, composition, and design in painting.
Distribution: Advanced. Prerequisite: ART 151 AND ART 254 OR ART 356.

ART 405 - Illustration (3 credits)
This course will build upon skills developed in lower level design, drawing and painting classes to enable the student to prepare illustrative materials for publication in the mass media.
Distribution: Advanced. Prerequisite: ART321 AND ART356.

ART 412 - WS: Women Artists: From the Middle Ages to the Present (3 credits)
This course is a historical survey of works by women artists in Europe and America from the Early Middle Ages to the present.

ART 414 - Portfolio In Art + Design (3 credits)
This course will prepare students for careers in an art related field through the development of a professional portfolio of artwork. It will also teach them to promote themselves as freelance and studio artists. The portfolio will contain a series of works of art produced in a variety of media including digital images.
Distribution: Advanced.

ART 420 - Graphic Design 3: Design Agency (3 credits)
This is an advanced course that will prepare students for employment in the graphic design industry by working as part of a team in student-run design agency. Students will develop professional relationships with regional and community-based clients while working on design projects in various 2D and 3D media. Emphasis will be placed on the design process, critical thinking, concept development, research methodologies, and technology. Course can be repeated once for additional credit.
Distribution: Advanced. Prerequisite: ART 153, ART 220, ART 320.

ART 452 - Object Design 3 (3 credits)
This is an advanced projects course that will prepare students for employment as product designers. Students will work in a team as a student-run design agency. Students will develop professional relationships with clients to develop 3D prototypes and other product designs. Emphasis will be placed on the design process, critical thinking, concept development, research methodologies, and technology. Course can be repeated for additional credit.
Distribution: Advanced. Prerequisite: ART 154, ART 252, and ART 352.

ART 485 - IS: (2 - 6 credits)
This course consists of directed research or study or study on an individual basis. Student must meet with supervising faculty and gain approval in order to take this course. May be repeated for credit up to a total of 15 credits. Pre-requisite: 18 credits in the major and approval of the instructor.
Distribution: Advanced.

ART 486 - Field Experience & Internship (Semester hours arranged) (3 - 15 credits)
The internship provides students with advanced standing the opportunity to apply their skills in a professional experience. Students must have completed at least 24 credits in the major, or have departmental approval. May be repeated for credit up to a total of 18 credits. Pre-requisite: 24 credits in the major or departmental approval.
Distribution: Advanced.

ART 487 - Independent Study in Studio/Design:
This course consists of directed research, study or extended studio practice on an individual basis. Students must meet with the supervising faculty and gain approval in order to take this course. May be repeated for credit up to a total of 15 credits. Pre-requisite: 24 credits in the major and approval of the instructor.
Distribution: Advanced. Prerequisite: 24 credits in the major or departmental approval.
A competency-based approach in both classroom and clinical settings. The Athletic Training Program was one of the few co-educational programs amid the first 25 approved curricula in the nation.

About the Professional Practice Program

Join us in the exhilarating, fast-paced Athletic Training major that is specifically designed to prepare proficient and successful entry-level, certified athletic trainers. The Athletic Trainer is a health care professional who collaborates with physicians and other health care professionals to optimize activity and participation of athletes, patients and clients. Athletic Training encompasses the prevention, diagnosis and intervention of emergency, acute, and chronic medical conditions involving the impairment, functional limitations, and disabilities. At its inception in 1975, the Athletic Training Program was one of the few coeducational programs amid the first 25 approved curricula in the nation. Now the program is nationally accredited by the Commission on Accreditation for Athletic Training Education (CAATE) and uses a competency-based approach in both classroom and clinical settings designed to teach entry-level athletic training skills. Student knowledge, skill, and professional behaviors are developed with an emphasis on clinical reasoning throughout clinical proficiencies.

Where Are Professional Practice Program Graduates Now?

Alumni regularly pursue advanced and related professional degrees at little or no cost through graduate assistantships. Alumni have received national recognition for their work and have become leaders in research, education and clinical practice. Many alumni serve in secondary schools, colleges and universities, sports medicine clinics and professional sports. Here are a few of the settings our alumni have chosen: public/private high schools, military service, college/university athletics, sports medicine/physical therapy clinics, corporate fitness, strength and conditioning/performance enhancement facilities, professional sports teams, U.S. Olympic Centers, hospitals, and even NASA.

Choose a Career in Athletic Training Professional Practice Program at ESU

- Nationally accredited program since 1975
- Help physically active patients overcome injury
- Become a licensed health care professional
- Provide care before, during and after injuries and illness
- Clinical experiences start your sophomore year
- Qualify for graduate assistantships that PAY YOU to learn
- Become competitive for employment and advanced degrees

Is a Career in Athletic Training Professional Practice Program the Right Choice for Me?

Hands-On Learning Caring for The Physically Active

- Evidence-Based Practice
- Prevention and Health Promotion
- Clinical Examination and Diagnosis
- Acute Care of Injury and Illness
- Therapeutic Interventions
- Psychosocial Strategies and Referral
- Healthcare Administration
- Professional Administration
- Professional Development and Responsibilities

Clinical Experiences for the Professional Practice Program

- Clinical Affiliation Agreements with local and regional high schools, colleges and universities
- Host Site for 18 NCAA Division II varsity sports
- Instructed/evaluated by qualified clinical preceptors

Career Settings for the Professional Practice Program

- College and University Settings
- Secondary schools
- Hospitals
- Professional/Olympic sports
- Orthopedic and Sports Medicine Offices
- Rehabilitation Centers
- Occupational Medicine

More detailed information is available at [www.nata.org](http://www.nata.org).

Accreditation

The Athletic Training – Professional Practice program degree is accredited by the Commission on Accreditation for Athletic Training Education.
(CAATE), a specialized accrediting agency recognized by the American Academy of Family Physicians (AAFP), the American Academy of Pediatrics (AAP), the American Orthopedic Society for Sports Medicine (AOSSM), and the National Athletic Trainers’ Association, Inc. (NATA), cooperate to sponsor (CAATE) and to collaboratively develop the Standards for Entry-Level Athletic Training Programs. (CAATE) is responsible for the accreditation of 360 professional (entry-level) Athletic Training educational programs. In compliance with accreditation standards, students will not be admitted, enrolled or matriculated into the baccalaureate level Professional Practice Athletic Training Program after the start of the fall term 2022.

Transfer Students
Students transfer to our program from a variety of community colleges and other universities. We welcome any qualified student who is interested in an exciting health professions career to apply and schedule an on-campus appointment with the Program Director (570) 422-3231. More information about credit and course transfers is available from the Office of Admissions, 877-230-5547.

Athletic Training B.S. - Concentration: Professional Practice Program

PROGRAM FEATURES

60 credits
Admission to the Athletic Training Professional Practice Program Track at East Stroudsburg University is competitive among eligible applicants. Minimum academic requirements have been established for students admitted to the Athletic Training Program and are described below. Exceptions to this requirement may be approved by the ESU Athletic Training Program faculty.

Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 100</td>
<td>Introduction to Athletic Training and Rehabilitation Sciences</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 202</td>
<td>Kinesiology-Applied Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 230</td>
<td>Prevention and Management of Sport and Fitness Injuries</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 235</td>
<td>Basic Athletic Training Lab</td>
<td>1</td>
</tr>
<tr>
<td>ATEP 285</td>
<td>Athletic Training Pre Clinical Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 310</td>
<td>Psychosocial Issues In Sports Medicine</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 400</td>
<td>Evidence-Based Practice in Sports Medicine</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 404</td>
<td>Pharmacological Aspects in Physical Medicine</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 429</td>
<td>Measurement and Evaluation of Lower Extremity Injuries</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 430</td>
<td>Measurement and Evaluation of Upper Extremity Injuries</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 431</td>
<td>Organization and Administration in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 432</td>
<td>Therapeutic Modalities in Sports Medicine</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 433</td>
<td>Therapeutic Exercise in Sports Medicine</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 435</td>
<td>Examination and Diagnosis of the Head and Spine</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 436</td>
<td>Primary Care for the Athletic Trainer</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 437</td>
<td>Advanced Emergency Care for Athletic Trainers</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 450</td>
<td>Seminar in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 487</td>
<td>Athletic Training Clinical Laboratory I</td>
<td>1</td>
</tr>
<tr>
<td>ATEP 488</td>
<td>Athletic Training Clinical Laboratory II</td>
<td>1</td>
</tr>
<tr>
<td>ATEP 489</td>
<td>Athletic Training Clinical Laboratory III</td>
<td>1</td>
</tr>
<tr>
<td>ATEP 490</td>
<td>Externship in Athletic Training</td>
<td>4</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 230</td>
<td>Prevention and Management of Sport and Fitness Injuries</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 235</td>
<td>Basic Athletic Training Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATEP 122</td>
<td>Strength Training</td>
<td>1</td>
</tr>
<tr>
<td>ATEP 117</td>
<td>Laboratory for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 112</td>
<td>GE: Human Anatomy and Physiology II for the Health Sciences</td>
<td>4</td>
</tr>
</tbody>
</table>

Additional Requirements:
- Minimum Overall GPA = 2.75; Major GPA = 3.00;
- Completion of all required clearances prior to clinical lab and externship coursework. Additional costs for clinical experience travel, attire, and/or specific related healthcare clinical site costs;
- Please see the university requirements in this catalog.

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)
120 Semester Hours

Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 100</td>
<td>Introduction to Athletic Training and Rehabilitation Sciences</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 120</td>
<td>Physical Conditioning</td>
<td>1</td>
</tr>
<tr>
<td>ATEP 122</td>
<td>Strength Training</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 111</td>
<td>GE: Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 116</td>
<td>GE: Human Anatomy and Physiology I for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 117</td>
<td>Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>ELECTIVE</td>
<td>Recommend ATEP 240 Acute Care of Athletic Injuries</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 14-15

Students who do not have CPR/AED & First Aid training should complete HLTH 240.

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 230</td>
<td>Prevention and Management of Sport and Fitness Injuries</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 235</td>
<td>Basic Athletic Training Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATEP 120</td>
<td>Physical Conditioning</td>
<td>1</td>
</tr>
<tr>
<td>ATEP 122</td>
<td>Strength Training</td>
<td>1</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
</tbody>
</table>

Above courses are for students who do not have CPR/AED & First Aid training and are required for HLTH 240.

Co-requisites:

Cognates:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 116</td>
<td>GE: Human Anatomy and Physiology I for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>Human Anatomy and Physiology I Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 118</td>
<td>GE: Human Anatomy and Physiology II for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 119</td>
<td>Human Anatomy and Physiology II Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>EXSC 310</td>
<td>Exercise Physiology I</td>
<td>3</td>
</tr>
</tbody>
</table>

Directed General Education:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 105</td>
<td>GN: General Biology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>GN: Chemical Basis of Matter</td>
<td>3</td>
</tr>
<tr>
<td>PHYS XXX</td>
<td>PHYS Elective</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>
## BIOL 118
**GE: Human Anatomy and Physiology II for the Health Sciences**
- 3

**And**

## BIOL 119
**Human Anatomy and Physiology II Laboratory for the Health Sciences**
- 1

## ATEP 437
**Advanced Emergency Care for Athletic Trainers**
- 2

**Subtotal: 15-16**

### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 285</td>
<td>Athletic Training Pre Clinical Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 202</td>
<td>Kinesiology-Applied Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 404</td>
<td>Pharmacological Aspects in Physical Medicine</td>
<td>2</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 203</td>
<td>GN: Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 16**

### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 429</td>
<td>Measurement and Evaluation of Lower Extremity Injuries</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 435</td>
<td>Examination and Diagnosis of the Head and Spine</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 487</td>
<td>Athletic Training Clinical Laboratory I</td>
<td>1</td>
</tr>
<tr>
<td>PHYS XXX</td>
<td>PHYS Elective</td>
<td>3</td>
</tr>
<tr>
<td>SOC 111</td>
<td>GN: Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>GenEd _____</td>
<td>General Education (Group A or Group C)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15-16**

### Junior Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 400</td>
<td>Evidence-Based Practice in Sports Medicine</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 430</td>
<td>Measurement and Evaluation of Upper Extremity Injuries</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 433</td>
<td>Therapeutic Exercise in Sports Medicine</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 488</td>
<td>Athletic Training Clinical Laboratory II</td>
<td>1</td>
</tr>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>GN: Chemical Basis of Matter</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 310</td>
<td>Psychosocial Issues In Sports Medicine</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 432</td>
<td>Therapeutic Modalities in Sports Medicine</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 489</td>
<td>Athletic Training Clinical Laboratory III</td>
<td>1</td>
</tr>
<tr>
<td>EXSC 310</td>
<td>Exercise Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>GenEd _____</td>
<td>General Education (Group A or Group C)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd _____</td>
<td>General Education (Group A or Group C)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

### Senior Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 436</td>
<td>Primary Care for the Athletic Trainer</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 431</td>
<td>Organization and Administration in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 450</td>
<td>Seminar in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 490</td>
<td>Externship in Athletic Training</td>
<td>4</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

### No Additional Courses in the Externship Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GN: _____</td>
<td>General Education (Group A or C)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 105</td>
<td>GN: General Biology</td>
<td>3</td>
</tr>
<tr>
<td>GN: _____</td>
<td>General Education (Group A or C)</td>
<td>3</td>
</tr>
<tr>
<td>XXXX _____</td>
<td>Electives</td>
<td>5</td>
</tr>
</tbody>
</table>

**Subtotal: 9**

### Athletic Training Admission Requirements: Freshmen and Transfers

#### PROFESSIONAL PRACTICE ATHLETIC TRAINING PROGRAM

**TECHNICAL STANDARDS**

Students in the Athletic Training – Professional Practice Program at East Stroudsburg University must possess the necessary intellectual, physical, emotional, social, and communication skills to provide safe and effective athletic training services. The Athletic Training Program in conjunction with the Office of Disability Services has established technical standards for students interested in pursuing a career in athletic training. In addition to specific academic criteria, these Technical Standards are considered necessary for students engaged in all phases of the Athletic Training Program at East Stroudsburg University. To review the Program’s Technical Standards (click here) or go to https://www.esu.edu/athletic_training/documents/19-20/heathsafetytechnicalstandards2019.pdf

#### Admission of Freshmen and Transfers

Freshmen and Transfers students are admitted to ESU in the Pre-Professional Athletic Training Major. Students are assessed after the pre-professional courses are completed to assure they meet the requirements for the professional phase of the ATEP at East Stroudsburg University contingent upon meeting the Standards for Progression. A profile of the typical student who is successful in the professional phase of the major and ESU and who is successful in becoming a certified athletic trainer would include SAT scores of 1000 or above, a class rank in the top one third, an outgoing personality, a solid work ethic, good “people” skills, and a sincere interest in sports and in athletes.

The Pre-Professional phase represents a time (generally three semesters) during which the student addresses the prerequisites to the Professional Phase (ATEP 100, 202, 230, 235, and 285).

Transfers: Applicants with a 2.75 quality point average will be considered for admission. Transfer students must complete all prerequisite coursework and satisfactorily complete all other prerequisites for admission to the Professional Phase of the program. Transfers should schedule an interview with the Director of the ATP as soon as possible after receiving notification of admission to the University.

Formal admission into the Professional Phase of the Athletic Training Program is contingent upon the Pre-Professional student meeting the standards listed below and completing the following prerequisites.

#### Standards for Progression to the Professional Phase of the Athletic Training Major:

1. Minimum quality point average of 2.75 overall and 3.00 in the major;
2. Meet Program’s Technical Standards;
3. A grade of “C” or better in Major courses in Athletic Training and Cognate requirements;
4. Completion of all required clearances prior to early internship and field experience;
5. Concurrent enrollment in clinical field experiences (ATEP 487/ATEP 488/ATEP 489/ATEP 490) once admitted in the professional phase;
6. Reliable transportation once screened into the professional phase;
7. Additional costs for clinical experience travel, uniforms, and athletic training equipment, as well as other related costs within academic plan of study (click here) or go to https://www.esu.edu/athletic_training/documents/16-17/general_info_sheet_U.pdf

For more information, contact the Athletic Training Department at 570-422-3231 Koehler Fieldhouse, Office 1B 570-422-3231 www.esu.edu/athletictraining
Retention Standards: Professional Practice Program
Failure to maintain the aforementioned standards or failure to demonstrate appropriate professional skills and conduct in any clinical experience is grounds for immediate dismissal from the program. The Program regularly updates standards and academic expectations. Students should review all academic and clinical standards with their academic advisor on a regular basis.

Students participating in intercollegiate athletics at East Stroudsburg University should, in concert with their academic advisor, plan a course of study that includes a minimum of one additional semester of academic and clinical work.

Transfers: Applicants with a 2.75 quality point average will be considered for admission. Transfer students must complete all prerequisite coursework and satisfactorily complete all other prerequisites for admission to the program. Transfers should schedule an interview with the director of the ATP as soon as possible after receiving notification of admission to the university.

Athletic Training B.S.
Concentration: Pre-Professional Rehabilitation Sciences

PROGRAM FEATURES

56 credits

**The Pre-Professional Rehabilitation Sciences program is NOT accredited by CAATE and does not lead to a pathway for credentialing as an athletic trainer.**

The Pre-Professional Rehabilitation Sciences program is intended to prepare students for entry into professional programs in athletic training and the related rehabilitation sciences such as Physical Therapy, Occupational Therapy, Physician Assistant, and Chiropractic. Students will develop the knowledge, skills, and abilities to compete for entry into a variety of graduate programs in sports medicine and related disciplines. Students interested in obtaining BOC certification eligibility requirements through our CAATE Accredited Master of Science in Athletic Training – Professional Practice program should select the B.S. in Athletic Training – Pre Professional Rehabilitation Sciences undergraduate track.

Required courses:

- ATEP 202 Kinesiology-Applied Anatomy 3
- ATEP 230 Prevention and Management of Sport and Fitness Injuries 3
- ATEP 429 Measurement and Evaluation of Lower Extremity Injuries 3
- ATEP 430 Measurement and Evaluation of Upper Extremity Injuries 3
- ATEP 432 Therapeutic Modalities in Sports Medicine 3
- ATEP 433 Therapeutic Exercise in Sports Medicine 3
- ATEP 436 Primary Care for the Athletic Trainer 3
- ATEP 445 Rehabilitation for Special Populations 3

and nine additional ATEP 300/400 credits approved by adviser.

Co-requisites:

- Cognates
  - BIOL 116 GE: Human Anatomy and Physiology I for the Health Sciences 3
  - BIOL 117 Human Anatomy and Physiology I Laboratory for the Health Sciences 1
  - BIOL 118 GE: Human Anatomy and Physiology II for the Health Sciences 3

- BIOL 119 Human Anatomy and Physiology II Laboratory for the Health Sciences 1
- CHEM 121 GN: General Chemistry I 3
- EXSC 310 Exercise Physiology I 3

Directed GE:

- BIOL 114 GN: Introductory Biology I 4
- CHEM 121 GN: General Chemistry I 3
- MATH 110 GN: General Statistics 3
- PHYS XXX PHYS Elective 3
- PSY 100 GN: General Psychology 3

Free electives to total 120 credits

Additional Requirements

- Minimum overall GPA = 2.75; Major GPA = 3.00;
- C or above in all major courses in Athletic Training and Cognate requirements;
- Completion of all required clearances prior to early internship and field experience;
- Please see the university requirements in this catalog.

4 YEAR CURRICULUM PROGRAM PLAN
(Subject to change by the university without notice)

Admission to the Athletic Training Pre-Professional Rehabilitation Sciences Track at East Stroudsburg University is competitive among eligible applicants. Minimum academic requirements have been established for students admitted to the Athletic Training Program and are described below. Exceptions to this requirement may be approved by the ESU Athletic Training Program faculty.

Freshman Year Fall

- FYE 100 University Studies 3
- ATEP 100 Introduction to Athletic Training and Rehabilitation Sciences 2
- ATEP 240 Acute Care Athletic Injuries 3
- BIOL 116 GE: Human Anatomy and Physiology I for the Health Sciences 3
- BIOL 117 Human Anatomy and Physiology I Laboratory for the Health Sciences 1
- CHEM 121 GN: General Chemistry I 3
- CHEM 123 GN: General Chemistry I Lab 1

Subtotal: 16

Spring

- BIOL 118 GE: Human Anatomy and Physiology II for the Health Sciences 3
- BIOL 119 Human Anatomy and Physiology II Laboratory for the Health Sciences 1
- ATEP 230 Prevention and Management of Sport and Fitness Injuries 3
- MATH 110 GN: General Statistics 3
- GN: General Education (Group A or C) 3
- GN: General Education (Group A or C) 3

Subtotal: 16

Sophomore Year Fall

- BIOL 114 GN: Introductory Biology I 4
- ATEP 101 Healthcare Documentation and Terminology 2
- ATEP 202 Kinesiology-Applied Anatomy 3
- PHYS XXX PHYS Elective 3
- GN: General Education (Group A or C) 3

Subtotal: 14
**Spring**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 310</td>
<td>Exercise Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 286</td>
<td>Pre-Internship: Athletic Training Proficiencies</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education (Group A)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education (Group C)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 14

**Junior Year Fall**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 302</td>
<td>Musculoskeletal Clinical Evaluation and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 400</td>
<td>Evidence-Based Practice in Sports Medicine</td>
<td>2</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>ATEP ___</td>
<td>ATEP Elective 300 or 400 level</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

**Senior Year Fall**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 404</td>
<td>Pharmacological Aspects in Physical Medicine</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 436</td>
<td>Primary Care for the Athletic Trainer</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 450</td>
<td>Seminar in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ATEP ___</td>
<td>ATEP Elective 300 or 400 level</td>
<td>3</td>
</tr>
<tr>
<td>GN: ___</td>
<td>General Education (Group A or C)</td>
<td>3</td>
</tr>
<tr>
<td>GN: ___</td>
<td>General Education (Group A or C)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

**Spring**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 303</td>
<td>Therapeutic and Rehabilitative Clinical Interventions</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 310</td>
<td>Psychosocial Issues In Sports Medicine</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 340</td>
<td>Illness Prevention and Health Promotion Workshop</td>
<td>2</td>
</tr>
<tr>
<td>ATEP ___</td>
<td>ATEP Elective 300 or 400 level</td>
<td>3</td>
</tr>
<tr>
<td>GN: ___</td>
<td>General Education (Group A or C)</td>
<td>3</td>
</tr>
<tr>
<td>GN: ___</td>
<td>General Education (Group A or C)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

**Accelerated Pathway for B.S. in Athletic Training – Pre Professional Rehabilitation Sciences to the MS in Athletic Training – Professional Practice**

Athletic training students may complete an accelerated pathway through the Bachelor of Science (BS) in Athletic Training – Pre Professional Rehabilitation Sciences into the Master of Science (MS) in Athletic Training – Professional Practice Program. This accelerated pathway allows qualified undergraduate students with at least junior standing to take graduate coursework that will apply to both degrees.

**Early/Dual Admission:** The Athletic Training Department allows for an early/dual admission option for students from the Bachelor of Science (BS) in Athletic Training – Pre Professional Rehabilitation Sciences into the Master of Science (MS) in Athletic Training – Professional Practice Program. This permits qualified undergraduate Athletic Training Students to enter the University with provisional admission into the Master of Science (MS) in Athletic Training – Professional Practice Program and to take graduate coursework that will apply to both the degrees. This option will allow qualified undergraduates to earn both the bachelor’s and master’s degrees upon successful completion of the combined programs.

Students may select twelve (12) credits of the following courses to apply to both the BS in Athletic Training - Pre Professional Rehabilitation Sciences towards the MS in Athletic Training – Professional Practice Program:

- ATEP 501 Foundations in Athletic Training Practice (3 credits)
- ATEP 510 Clinically Oriented Anatomy (3 credits)
- ATEP 531 Organization and Administration in Athletic Training (3 credits)
- ATEP 540 Functional Rehabilitation and Sport Specific Conditioning (3 credits)
- ATEP 544 Current Athletic Injury Prevention and Management (3 credits)

**Direct Admit - Freshman:**

Incoming students are invited to apply for direct freshman entry into either the Accelerated or Early/Dual Admission options. Additionally, an incoming student with no more than twelve (12) college credits may also apply for the direct admit. Direct admit is a very distinctive feature of the program and if a student is offered direct admission to the MS in Athletic Training – Professional Practice Program, they must maintain Board of Governors’ (Procedure/Standard Number 2016-25) and program standards to continue program matriculation.

The direct freshman admit is unique and removes much of the competitive pressure so admission into the professional phase of the program is guaranteed following completion of the required courses provided a student meets the standards described previously for program progression.

Direct admit will be limited to highly qualified applicants. Strong candidates for direct admit rank in the top quarter of their class, have comparable SAT or ACT test scores; and have demonstrated proficiency in their high school math and science courses.

Potential students interested in applying for direct admit should begin the application process for undergraduate admission in the fall of their senior year.

**Admissions Procedure - Accelerated Pathway:**

A student may be provisionally accepted into the MS in Athletic Training – Professional Practice Program in accordance with program policy and formally admitted upon completion of his/her undergraduate degree so long as all other program admission requirements have been met. Admission requirements are a Department and University decision. To qualify for the Athletic Training accelerated pathway, a student must have attained at least junior standing and have a minimum cumulative GPA of 3.00 before taking graduate courses in the intended graduate program.

**Admission Procedure - Early/Dual Admission:**

A student may be provisionally accepted into the MS in Athletic Training – Professional Practice Program at any time during his/her undergraduate studies. The student may be fully admitted to the MS in Athletic Training – Professional Practice Program upon completion of the required course work. Admission requirements are a Department and University decision. A student must have obtained a grade of “B” or higher in the graduate course in order for it to count towards the graduate degree.
degree program, while a grade of "C" or higher is necessary in order for it to count towards the undergraduate degree program.

**Athletic Training Faculty**

**Associate Professors:**
- Kelly Harrison (kharrison@esu.edu)
- Gerard D. Rozea, Chair (Program Director) (grozea@esu.edu)
- Keith A. Vanic (kvanic@esu.edu)

**Instructor:**
- Marguerite Carver (mcarver1@esu.edu)

**ATEP - Athletic Training Courses**

**ATEP 100 - Introduction to Athletic Training and Rehabilitation Sciences (2 credits)**
This course introduces students to athletic training and the related professions under the rehabilitation sciences umbrella. The history and development of athletic training as well as its relationship to regulated rehabilitation science disciplines (physical therapy, occupational therapy, etc.) and alternative therapies (chiropractic, massage therapy) are explored.

**ATEP 105 - Health Promotion & Lifetime Wellness (3 credits)**
This course explores the behaviors in which college students should engage to reduce their risk of acute and chronic diseases and premature death. An emphasis on positively enhancing the dimensions of health and wellness as a resource for college students to meet their short- and long-term goals is emphasized. By focusing on determinants of health as associated to the college student, individual, social, and physical behaviors and conditions will be explored through lecture, self-evaluative experiences, personal fitness and physical activity assessments, experiences, and behavior change principles.

**ATEP 120 - Physical Conditioning (1 credit)**
This course introduces the student to different aspects of physical activity and a variety of training methods including agility, aerobic, anaerobic, plynometric and speed training. Students are also introduced to flexibility and warm-up programs as well as heart rate and body composition assessments. Athletic Training Majors only.

**ATEP 121 - Aerobic Fitness Activities (1 credits)**
This course is designed to introduce the student to the various aerobic fitness activities for adult populations. Techniques of fitness assessment, aerobic dance, jogging, and aqua-cizing activities will be emphasized.

**ATEP 122 - Strength Training (1 credit)**
This course introduces the student to various strength training techniques including free weights, machines, plynometrics and Olympic lifting. Students are also instructed in program design, muscle contraction and adaptation to weight training, and their important relationship to rehabilitation and reconditioning concepts. Athletic Training Majors only.

**ATEP 202 - Kinesiology- Applied Anatomy (3 credits)**
Upon completion of this course, a student should be able to identify the structural characteristics, movements, and muscles acting as the major joints of the body. The student will be able to select movements or exercises which utilize specific muscle groups and analyze the joint actions, muscle actions, and mechanical principles which apply to the performance of a specific movement.

**ATEP 230 - Prevention and Management of Sport and Fitness Injuries (3 credits)**
This course is an introduction to the principles and practices associated with sport and fitness injury management. The course emphasizes the development of competencies in the recognition and treatment of injuries appropriate for professionals working with active populations. Topics include injury mechanics, injury prevention strategies, and injury recognition and treatment.

**ATEP 235 - Basic Athletic Training Lab (1 credit)**
This laboratory course is an introduction to the psychomotor skills associated with sport fitness injury recognition, evaluation and management. The course emphasizes the development of competency in essential entry-level athletic training skills. Topics include injury and illness assessment skills, injury prevention techniques, and prophylactic bracing, taping and support techniques. Concurrent enrollment in ATEP 230 is required.

**ATEP 240 - Acute Care Athletic Injuries (3 credits)**
This course focuses on the emergency management techniques that are commonly implemented when dealing with trauma and illness suffered during/through sport participation. Included will be the field evaluation of medical emergencies, such as cessation of breathing or circulation, shock, concussion, spinal injury to the athlete. Students will review policies and position statements issued by the NATA, NCAA, ACSM, AAP, and AMA regarding prevention, evaluation, and management of acute athletic injuries and illnesses. Prerequisites: HLTH 240 or current CPR certification. Prerequisite: HLTH240.

**ATEP 285 - Athletic Training Pre Clinical Laboratory (2 credits)**
This course focuses on the emergency management techniques that are commonly implemented when dealing with trauma and illness suffered during/through sport participation. Included will be the field evaluation of medical emergencies, such as cessation of breathing or circulation, shock, concussion, spinal injury to the athlete. Students will review policies and position statements issued by the NATA, NCAA, ACSM, AAP, and AMA regarding prevention, evaluation, and management of acute athletic injuries and illnesses. Need Medical Clearance, Child Abuse and Criminal Record Clearance, OSHA and HIPAA Certificates.

**ATEP 286 - Pre-Internship: Athletic Training Proficiencies (3 credits)**
This course is designed to provide students with the opportunity to observe and apply entry-level athletic training skills in selected clinical, educational, research or administrative settings. The emphasis is on the basic psychomotor proficiencies described in the CAAHEP Accreditation and NATA Education Council guidelines and specifically, those competencies previously addressed in ATEP 100, 230, and/or concurrently with ATEP 240. This course is designed for students officially enrolled in the undergraduate athletic training education program. Prerequisites: 30 semester hours; department approval.

**ATEP 290 - Special Topics: ((Semester hours arranged))**
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

**ATEP 302 - Musculoskeletal Clinical Evaluation and Assessment (3 credits)**
This course is designed to enable the student to perform and objectively document the musculoskeletal evaluation process. Students will integrate evaluation skills that include range of motion assessment, manual muscle and joint stress testing for the upper and lower extremities. The appropriate selection, instruction and use of ambulatory aids and prophylactic devices will be incorporated into the patient care process. Prerequisite: ATEP 230.
ATEP 303 - Therapeutic and Rehabilitative Clinical Interventions (3 credits)
This course will explore the broad range of therapeutic interventions to restore/enhance function, prevent impairments, facilitate reconditioning and maximize participation in physical activity following an injury. Students will examine those therapeutic techniques and modality interventions commonly used to manage pain, restore range of motion and neuromuscular control and improve muscular performance, balance and coordination.
Prerequisite: ATEP 230.

ATEP 310 - Psychosocial Issues In Sports Medicine (2 credits)
This course examines the psychological impact and sociological factors related to injury, illness, inactivity and rehabilitation for physically active populations. Particular emphasis is placed on developing strategies for problem identification, intervention, and making referrals for injuries and illnesses common to the physically active.
Prerequisite: ATEP 100.

ATEP 330 - Injury Prevention and Reconditioning Workshop (2 credits)
This course focuses on the application and development of basic skills used in the development of reconditioning and injury prevention programs. Students will analyze the theoretical basis for various training methods and gain experience in reconditioning program design, implementation, and documentation.
Prerequisite: ATEP 120 AND ATEP 122.

ATEP 340 - Illness Prevention and Health Promotion Workshop (2 credits)
This workshop introduces athletic training students to their role as a health professional in the area of illness prevention and health promotion. The course will enhance the student's knowledge of non-musculoskeletal pathologies that may affect the physically active population. Additional emphasis will be placed on the concepts of disease prevention, health promotion and their relationship to exercise and nutrition.

ATEP 400 - Evidence-Based Practice in Sports Medicine (2 credits)
This course introduces the student to concepts of evidence-based medicine and medical research design, while stressing the examination of the best available evidence as a basis for clinical decision-making. The student learns to construct well-built clinical questions and to perform medical literature searches that yield evidence-based results. Methods for critically appraising the medical literature are emphasized throughout the course, as well as strategies for maintaining medical knowledge.
Distribution: Advanced. Prerequisite: ATEP 100 and ATEP 429.

ATEP 404 - Pharmacological Aspects in Physical Medicine (2 credits)
This course examines the application of pharmacology in the management (indications, contraindications, precautions, interactions and documentation) of a variety of conditions. Specific discussion will emphasize medication and other therapeutic agents and the involved pharmacokinetics commonly used in physical medicine.
Distribution: Advanced. Prerequisite: (BIOL 112 or BIOL 118) and CHEM 111 or higher.

ATEP 426 - OAW1: Casting & Bracing (1 credits)
This workshop introduces the latest techniques in orthopedic casting and bracing to the allied health professional. This workshop includes an intensive hands-on experience that will involve both instruction and practical application. Selection, application and removal of orthopedic casting for both upper and lower extremity disorders is addressed.
Prerequisite: BOC Athletic Trainer Certification or eligibility, or, appropriate health care professional background.

ATEP 427 - Orthopedic Appliances Workshop II: Advanced Casting & Bracing (1 credits)
This advanced workshop will build on the fundamental competencies and proficiencies previously acquired in orthopedic casting and bracing. Furthermore, both instruction and practical application will be utilized to demonstrate current techniques in advanced orthopedic casting and bracing to the allied health professional. Complex techniques and modifications of basic orthopedic casting for the appendicular and portions of the axial skeleton are addressed. Prerequisite: BOC Athletic Trainer Certification or eligibility, or, appropriate health care professional background required. Demonstrated proficiency in basic casting and bracing techniques is required (ATEP 426/526).
Distribution: Advanced. Prerequisite: ATEP 426/526.

ATEP 428 - Orthopedic Appliances Workshop III: Orthotic Fabrication & Fitting (2 credits)
This workshop is designed to provide instruction and experience in the fabrication, fitting and delivery of orthotic devices and related durable medical equipment. Special training and hands-on practice is included as it pertains to custom-designed, fabricated, modified and fitted external orthotics. Students are eligible to challenge the national board examinations for orthotic fitters (Certified Orthotic Fitter) upon successful completion of this workshop. Prerequisite: BOC Athletic Trainer Certification or eligibility, or, appropriate health care professional background required. Demonstrated proficiency in basic and advanced casting and bracing techniques is required (ATEP 426/526 and 427/527).
Distribution: Advanced. Prerequisite: ATEP 426/526 and ATEP 427/527.

ATEP 429 - Measurement and Evaluation of Lower Extremity Injuries (3 credits)
The primary focus of this course is to present a systematic process for accurately evaluating lower extremity musculoskeletal injuries and illnesses commonly seen in the physically active population. This course focuses on the athletic training competencies and proficiencies associated with lower extremity injury assessment and evaluation, risk management and injury prevention, and acute care of injuries and illnesses.
Distribution: Advanced. Prerequisite: ATEP 100, ATEP 202 and ATEP 230.

ATEP 430 - Measurement and Evaluation of Upper Extremity Injuries (3 credits)
The primary focus of this course is to present a systematic process for accurately evaluating upper extremity musculoskeletal injuries and illnesses commonly seen in the physically active population. This course focuses on the athletic training competencies and proficiencies associated with upper extremity injury assessment and evaluation, risk management and injury prevention, and acute care of injuries and illnesses.
Distribution: Advanced. Prerequisite: ATEP 100, ATEP 202 and ATEP 230.

ATEP 431 - Organization and Administration in Athletic Training (3 credits)
This course is required for students in athletic training. It deals primarily with the administrative competencies necessary to accomplish the successful day-to-day operation of an athletic training program and facility.
Distribution: Advanced. Prerequisite: ATEP100 AND ATEP202 AND ATEP230.

ATEP 432 - Therapeutic Modalities in Sports Medicine (3 credits)
This course examines the various therapeutic modalities used in the practice of athletic training and the related rehabilitation sciences. Laboratory experiences are provided in the use of heat, cold, light, sound, laser, electricity, and bodywork/massage. Emerging technologies and their relationship to the rehabilitation process are also explored.
ATEP 433 - Therapeutic Exercise in Sports Medicine (3 credits)
This course examines the various therapeutic exercise techniques commonly used in athletic training and the related rehabilitation sciences. The focus of the course is the application of neuromuscular re-education, movement, and exercise specifically to achieve the detailed goals of rehabilitation and reconditioning for injured physically active individuals. Distribution: Advanced. Prerequisite: ATEP202 AND ATEP230 AND ATEP330.

ATEP 435 - Examination and Diagnosis of the Head and Spine (2 credits)
This course focuses on the evaluation and diagnosis relating to head and spine orthopedic conditions in the physically active population. Distribution: Advanced. Prerequisite: ATEP 230 and ATEP 302.

ATEP 436 - Primary Care for the Athletic Trainer (3 credits)
The course is designed to examine the current medical practices used in the treatment and rehabilitation of physically active individuals. Students are introduced to the responsibilities and perspectives of various medical and allied medical personnel. Distribution: Advanced. Prerequisite: ATEP429 AND ATEP430.

ATEP 437 - Advanced Emergency Care for Athletic Trainers (2 credits)
This course is designed to enhance the athletic training student's ability to clinically evaluate and manage patients with an emergency injury or condition. Skill development includes the assessment and interpretation of vital signs and level of consciousness, activation of emergency action plans, secondary assessment, diagnosis, and provision of advanced prehospital techniques. Distribution: Advanced. Prerequisite: ATEP 230 and ATEP 436.

ATEP 438 - Sports & Exercise Massage Techniques (2 credits)
This course is designed to enhance the athletic training student's ability to clinically evaluate and manage patients with an emergency injury or condition. Skill development includes the assessment and interpretation of vital signs and level of consciousness, activation of emergency action plans, secondary assessment, diagnosis, and provision of advanced prehospital techniques. Distribution: Advanced. Prerequisite: ATEP 230 and ATEP 436.

ATEP 440 - Functional Rehabilitation and Sport Specific Conditioning (3 credits)
This course focuses on the final stage of the rehabilitation process and concentrates specifically on the fundamental skills, sport specific training progressions, and testing and evaluation techniques necessary to safely return the injured back to physical activity. Distribution: Advanced. Prerequisite: ATEP330 AND ATEP433.

ATEP 445 - Rehabilitation for Special Populations (3 credits)
This course is designed to provide athletic training students with the skills necessary to differentiate between movement disorders and non-musculoskeletal diseases, disorders or pathologies. Identification and referral as well as treatment and rehabilitation considerations are discussed. Distribution: Advanced. Prerequisite: ATEP230 AND ATEP330.

ATEP 450 - Seminar in Athletic Training (3 credits)
This seminar is designed to focus on the study and discussion of recent experimental and clinical research areas within the athletic training and the rehabilitation sciences. A review and discussion of the various athletic training domains is reinforced through critical analysis and investigation of selected sports medicine topics. Distribution: Advanced. Prerequisite: ATEP432 AND ATEP436.

ATEP 451 - Orthopedic Clinical Specialist Workshop (3 credits)
This workshop integrates specific orthopedic competencies employed by the healthcare practitioner. Selection, application and removal of orthopedic casting and bracing for both upper and lower extremity injuries are addressed. The student will learn joint reduction and wound closure techniques along with the associated diagnostic imaging and intervention strategies being utilized in the orthopedic and sports medicine patient setting. Distribution: Advanced. Prerequisite: ATEP 230 and ATEP 302.

ATEP 485 - 15: (3 credits)
This course deals with independent research and study under the direction of a faculty member and is designed to deepen the student’s interest in a particular area of an academic field. The directing faculty member will be available exclusively to the student for a minimum of five hours per credit. Approval for enrollment must be obtained from the faculty member and from the Department Chair. Approval and granting of credit must be in accordance with procedures and standards established by departmental faculty. The student must be present a study prospectus prior to approval. Prerequisites: ATEP 100 and 15 credits in ATEP. Distribution: Advanced. Prerequisite: ATEP100.

ATEP 486 - Field Experience & Internship (3 - 15 credits)
All internship sites must be approved by the department faculty. Each application for an internship must be approved by the faculty member in charge of the experience, the director/supervisor of the site where the internship will be done, and the department chair. Before application is made, students must meet the following requirements: 1) Have faculty recommendation based on qualities essential for success in the assigned environment; 2) Have successfully completed at least 45 hours of credit; 3) Have no incomplete grades in required courses; and 4) Have a minimum average of 2.5 GPA overall and 3.00 in major. Distribution: Advanced.

ATEP 487 - Athletic Training Clinical Laboratory I (1 credit)
This course is designed to provide professional phase athletic training major students with the opportunity to learn, practice and apply a variety of entry-level athletic training skills. Students are required to revisit and integrate level appropriate skills into a required field experience. Distribution: Advanced. Prerequisite: ATEP230 AND ATEP285.

ATEP 488 - Athletic Training Clinical Laboratory II (1 credit)
This course is designed to provide professional phase athletic training major students with the opportunity to learn, practice and apply a variety of entry-level athletic training skills. Continued skill acquisition and mastery is expected. Students are required to revisit and integrate level appropriate skills into a required field experience. Distribution: Advanced. Prerequisite: ATEP230 AND ATEP285.

ATEP 489 - Athletic Training Clinical Laboratory III (1 credit)
This course is designed to provide professional phase athletic training major students with the opportunity to learn, practice and apply a variety of entry-level athletic training skills. Continued skill acquisition and mastery is expected. Students are required to revisit and integrate level appropriate skills into a required field experience. Distribution: Advanced. Prerequisite: ATEP285 AND ATEP487.

ATEP 490 - Externship in Athletic Training (4 credits)
This course is designed to expose the student to new theories, concepts and challenges through completion of a fifteen-week clinical education experience at an approved affiliate clinical site. Students will revisit and integrate entry level athletic training skills from previous clinical laboratories into a full semester field experience. Distribution: Advanced. Prerequisite: ATEP285 AND ATEP488.
Biochemistry

College of Arts and Sciences
The Faculty of Sciences
See Department of Chemistry and Biochemistry.

Biological Sciences

College of Arts and Sciences
The Faculty of Science
Moore Biology Hall, Room 127
570-422-3725
www.esu.edu/biol

About the Programs
The Department of Biological Sciences offers undergraduate degrees under a number of different rubrics. The Bachelor of Arts and Bachelor of Science degrees in Biology offer a broad foundation based on a core curriculum. With this education, an individual has a wide range of career opportunities or may proceed on to graduate school. Individuals may change careers later in life with minimal retraining required.

Are you interested in...
• Laboratory activities
• Field research and observation
• Organizing and presenting data
• Learning how biological systems interact
• Human biology / anatomy
• Animal and plant biology

Choose Biology at ESU
• Multiple concentrations
• Small advanced class sizes and personalized attention
• Well-equipped laboratories
• Practical field experiences
• Qualified, experienced faculty

Career Potential
• Research biologist
• Laboratory technician
• Medical professions
• Environmental conservation
• Forensic biologist

Career Settings
• Pharmaceutical companies
• Healthcare providers
• Environmental firms
• Food processing and safety departments
• Agriculture
• State and local government
• Universities and colleges More detailed career information is available from the department.

Biology

Biology B.S.

PROGRAM FEATURES
74 credits

Required courses:
- BIOL 114 GN: Introductory Biology I
- BIOL 115 GE: Introductory Biology II
- BIOL 200 General Ecology
- BIOL 331 Genetics
- BIOL 340 Animal Physiology
- OR
- BIOL 422 Plant Physiology
- BIOL 495 Seminar I
- BIOL 496 Seminar II

and a minimum of 21 additional semester hours in Biological Sciences except for:
- BIOL 103 GN: Forensic Biology
- BIOL 105 GN: General Biology
- BIOL 106 GN: Insects & Human Life

(cannot include more than six credits in BIOL 484 plus BIOL 486)

Co-requisite courses:
- CHEM 121 GN: General Chemistry I
- CHEM 123 GN: General Chemistry I Lab
- CHEM 124 GE: General Chemistry II
- CHEM 126 GE: General Chemistry II Lab
- CHEM 233 Organic Chemistry I
- CHEM 234 Organic Chemistry II
- CHEM 235 Organic Chemistry I Lab
- CHEM 236 Organic Chemistry II Lab
- PHYS 131 GN: Fundamental Physics I
- PHYS 132 GE: Fundamental Physics II

and three courses in mathematics or two courses in Mathematics and one course in Computer Science not including:
- MATH 100 GN: Numbers Sets & Structures
- MATH 101 GN: Excursions in Mathematics
- MATH 105 Mathematical Problem Solving for Pre-K to Grade 8 Education Majors

Required quality point average:
2.25 or greater for courses in Biological Sciences.

Additional requirements:
• At least one half (21) of the credit hours required in biology must be completed at East Stroudsburg University.
• Please view university requirements in this catalog.

Accelerated Pathway, B.S. in Biology to M.S. in Biology

Accelerated Pathway: Biology students may complete an accelerated pathway through the Bachelor of Science (BS) in Biology to Master of Science (MS) in Biology. This accelerated pathway allows qualified undergraduate students to take up to eight (8) graduate credits of coursework that will apply to both the undergraduate and graduate degrees.

To qualify for the Biology accelerated pathway a student must have earned at least ninety (90) undergraduate credits and have an overall GPA of 3.30. Students will need to obtain the approval of the Biology Department Chair and the Biology graduate program coordinator to participate in the accelerated pathway.

Only courses offered solely at the 500-level during a particular semester will be eligible for this program. The 500-level section of dual-listed courses is not eligible. Before registering for the graduate course the permission of the Instructor is required.

Additional Requirement: A student must have obtained a grade of “B” or higher in the graduate course in order for it to count towards the graduate
degree program, while a grade of “C” or higher is necessary in order for it to count towards the undergraduate degree program.

Biology B.S.
Concentration: Integrative Animal Behavior
Coordinator: Professor Terry L. Master

PROGRAM FEATURES
80-83 Credits

Required courses:
- BIOL 114: GN: Introductory Biology I 4
- BIOL 115: GE: Introductory Biology II 4
- BIOL 200: General Ecology 3
- BIOL 331: Genetics 3

- BIOL 340: Animal Physiology 4
- OR
- BIOL 422: Plant Physiology 4

- BIOL 351: Animal Behavior Lab 1
- BIOL 495: Seminar I 1
- BIOL 496: Seminar II 1

and a minimum of 9 additional credits in biology at 300 level or above

Co-requisite courses:
- PSY 101: GN: Introduction to Psychology 3
- PSY 201: Quantitative Psychology 3

- PSY 202: Experimental Psychology 3
- OR
- PSY 304: Empirical Foundations of Learning 4

- PSY 311: Physiological Psych 4
- PSY 313: Comparative Psychology 4
- CHEM 121: GN: General Chemistry I 3
- CHEM 123: GN: General Chemistry I Lab 1
- CHEM 124: GE: General Chemistry II 3
- CHEM 126: GE: General Chemistry II Lab 1
- CHEM 233: Organic Chemistry I 3
- CHEM 234: Organic Chemistry II 3
- CHEM 235: Organic Chemistry I Lab 1
- CHEM 236: Organic Chemistry II Lab 1
- PHYS 131: GN: Fundamental Physics I 4
- PHYS 132: GE: Fundamental Physics II 4

three courses in mathematics or two in mathematics and one course in computer science:
(one MATH must be MATH 135, MATH 140 or MATH 141; MATH 090, MATH 100, MATH 101, and MATH 105 are NOT ACCEPTED).

- MATH 110: GN: General Statistics 3
- MATH 130: GN: Applied Algebraic Methods 3
- MATH 131: GE: Applied Calculus 3
- MATH 135: GN: Pre-Calculus 3
- MATH 140: GN: Calculus I 4
- MATH 141: GN: Calculus II 4
- MATH 311: Statistics I 3
- MATH 411: Statistics II 3
- CPSC 101: GN: PCs and Their Uses in the Sciences 3

A minimum grade of “C” is required in all required and co-requisite courses.

Required quality point average:
2.5 or greater in Biology courses.

Additional requirements:
- At least one-half (17) of the credit hours required in biology must be completed at East Stroudsburg University.
This is an interdisciplinary concentration offered in conjunction with the Psychology Department.

Biology B.S.
Concentration: Secondary Education
Coordinator: Professor Tracy Whitford

ESU’s programs provide an opportunity to gain the scientific and educational background needed for Secondary Education certification in Biology. The requirements for certification include successful completion of science coursework in Biology, Chemistry, Physics, and Math; along with a number of courses taken through the College of Education, and a culminating semester-long student teaching experience.

PROGRAM FEATURES
56 credits

Required courses:
- BIOL 114: GN: Introductory Biology I 4
- BIOL 115: GE: Introductory Biology II 4
- BIOL 200: General Ecology 3
- BIOL 331: Genetics 3

- BIOL 340: Animal Physiology 4
- OR
- BIOL 422: Plant Physiology 4

- BIOL 495: Seminar I 1
- OR
- BIOL 496: Seminar II 1

- BIOL 499: Student Teaching Internships 1

a minimum of 14 additional semester hours in Biological Sciences except for:

- BIOL 103: GN: Forensic Biology 3
- BIOL 105: GN: General Biology 3
- BIOL 106: GN: Insects & Human Life 3
(cannot include more than six credits in BIOL 484 plus BIOL 486)

Co-requisite courses:
- CHEM 121: GN: General Chemistry I 3
- CHEM 123: GN: General Chemistry I Lab 1
- CHEM 124: GE: General Chemistry II 3
- CHEM 126: GE: General Chemistry II Lab 1
- CHEM 233: Organic Chemistry I 3
- CHEM 234: Organic Chemistry II 3
- CHEM 235: Organic Chemistry I Lab 1
- CHEM 236: Organic Chemistry II Lab 1
- PHYS 131: GN: Fundamental Physics I 4
- PHYS 132: GE: Fundamental Physics II 4

two courses in Mathematics:
one must be:

- MATH 135: GN: Pre-Calculus 3
- OR
- MATH 140: GN: Calculus I 4

MATH 100, MATH 101, MATH 105 NOT ACCEPTED.
CHEM 234, CHEM 236, and PHYS 132 are strongly recommended.
A minimum of a “C” required for courses in the Biological Sciences.
Required professional education courses:
- PSED 150 Introduction to Teaching All Students 6
- PSED 250 The Psychology of Learners In Diverse Communities 3
- PSED 420 Seminar in Secondary Education I: Instructional Structures and Strategies 3
- PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom 3
- PSED 446 Teaching of Science in the Secondary Schools 3
- PSED 430 Student Teaching in Secondary Education/ Middle School/Junior High School 6
- PSED 431 Student Teaching in Secondary Education/ Senior High School 6
- SPED 350 Assessment of Student Learning and Behavior in Diverse Communities 3
- REED 350 Teaching Reading to Communities of Diverse Learners 3

Required quality point average: 2.50 or greater for courses in Biological Sciences.

Additional requirements:
- At least one half (18) of the credit hours required in biology must be completed at East Stroudsburg University. Student must have minimum of 3.0 overall QPA.
- Please see the university requirements in this catalog.

4 YEAR CURRICULUM PROGRAM PLAN

Freshman Year Fall
- BIOL 114 GN: Introductory Biology I 4
- CHEM 121 GN: General Chemistry I 3
- CHEM 123 GN: General Chemistry I Lab 1
- PSED 150 Introduction to Teaching All Students 6
  Subtotal: 14

Spring
- BIOL 115 GE: Introductory Biology II 4
- CHEM 124 GE: General Chemistry II 3
- CHEM 126 GE: General Chemistry II Lab 1
- FYE 100 University Studies 3
- ENGL 103 English Composition 3
- GN:___ General Education (Group A or C) 3
  Subtotal: 14

Sophomore Year Fall
- BIOL 200 General Ecology 3
- CHEM 233 Organic Chemistry I 3
- CHEM 235 Organic Chemistry I Lab 1
- PSED 250 The Psychology of Learners In Diverse Communities 3
- HPLW 105 Health Promotion and Lifetime Wellness 3
- GN:___ General Education (Group A or C) 3
  Subtotal: 14

Spring
- MATH 135 GN: Pre-Calculus 3
- OR
- MATH 140 GN: Calculus I 4
- SPED 350 Assessment of Student Learning and Behavior in Diverse Communities 3
- BIOL ___ Biology Elective 3
- BIOL ___ Biology Elective 3
- GN:___ General Education (Group A or C) 3
  Subtotal: 16

Junior Year Fall
- BIOL 331 Genetics 3
- MATH 110 GN: General Statistics 3
- PHYS 131 GN: Fundamental Physics I 4
- GN ___ General Education Elective (Group A) 3
- GN ___ General Education Elective (Group C) 3
  Subtotal: 16

Spring
- BIOL ___ Biology Elective 4
- PSED 420 Seminar in Secondary Education I: Instructional Structures and Strategies 3
- REED 350 Teaching Reading to Communities of Diverse Learners 3
- GN ___ General Education Elective (Group A) 3
- GN ___ General Education Elective (Group C) 3
  Subtotal: 16

Senior Year Fall
- BIOL 495 Seminar I 1
- PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom 3
- PSED 446 Teaching of Science in the Secondary Schools 3
- GN ___ General Education Elective (Group A) 3
  Subtotal: 17

Biology B.S.

Concentration: Integrative Organismal Biology
Coordinator: Professor Howard Whidden

The Integrative Organismal Biology concentration emphasizes the study of the ecology, behavior, and evolution of organisms. The concentration is appropriate for students interested in working in fields such as wildlife management, forestry, environmental consulting, natural history, interpretation, environmental education, conservation, museum collections, management, zoo/aquarium collections management and for those planning to attend graduate school in botany, zoology, ecology, behavior, or evolution.

PROGRAM FEATURES

59 credits

Required courses:
- BIOL 114 GN: Introductory Biology I 4
- BIOL 115 GE: Introductory Biology II 4
- BIOL 200 General Ecology 3
- BIOL 331 Genetics 3
- BIOL 340 Animal Physiology 4
- OR
- BIOL 422 Plant Physiology 4
- BIOL 495 Seminar I 1
### General Education program:
The following required courses will also fulfill requirements within the Directed General Education courses:

- One additional course in MATH not including MATH 090, 100, 101, or 105.

### Co-requisite courses:

- 6 credits from Ecology Course Cluster –
- 6 credits from Physiology/Pathological/Morpho. Course Cluster –
- 6 credits from Organismal Course Cluster –
- 6 credits from Physiology/Pathological/Morpho. Course Cluster –

### Principles Course Cluster –

- 6 credits from
  - BIOL 350 Animal Behavior
  - BIOL 407 Organic Evolution
  - BIOL 463 Conservation Biology

### Organismal Course Cluster –

- 6 credits from
  - BIOL 220 Field Botany
  - BIOL 221 Field Zoology
  - BIOL 325 Ornithology
  - BIOL 333 Invertebrate Zoology
  - BIOL 425 Herpetology
  - BIOL 442 Biology of Aquatic Macrophytes
  - BIOL 451 General Entomology
  - BIOL 481 Insect Systematics
  - BIOM 462 Marine Invertebrates
  - BIOM 470 Marine Biology
  - BIOM 472 Coral Reef Ecology
  - BIOL 493 Biology of Tropical Ecosystems

### Ecology Course Cluster –

- 6 credits from
  - BIOL 423 Plant Ecology
  - BIOL 426 Wildlife Biology
  - BIOL 440 General Aquatic Ecology
  - BIOL 443 Stream Ecology
  - BIOL 457 Behavioral Ecology
  - BIOL 460 Marine Ecology
  - BIOL 493 Biology of Tropical Ecosystems

### Co-requisite courses:

- CHEM 123 GN: General Chemistry I Lab
- CHEM 124 GE: General Chemistry II
- CHEM 126 GE: General Chemistry II Lab
- CHEM 233 Organic Chemistry I
- CHEM 234 Organic Chemistry II
- CHEM 235 Organic Chemistry I Lab
- CHEM 236 Organic Chemistry II Lab
- GEOG 341 Geographic Information Systems

One additional course in MATH not including MATH 090, 100, 101, or 105.

### Directed General Education courses:

The following required courses will also fulfill requirements within the General Education program:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 111</td>
<td>GE: Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 112</td>
<td>GE: Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 115</td>
<td>GE: Introductory Biology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 200</td>
<td>General Ecology</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>BIOL 210</td>
<td>GE: Environmental Biology</td>
</tr>
<tr>
<td>BIOL 280</td>
<td>Laboratory Medicine Seminar</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 330</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 331</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 410</td>
<td>Histology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 416</td>
<td>Parasitology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 424</td>
<td>Mechanisms Of Disease I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 437</td>
<td>Immunology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 495</td>
<td>Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>OR</td>
<td>BIOL 496</td>
<td>Seminar II</td>
</tr>
</tbody>
</table>

### Co-requisite courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 234</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 236</td>
<td>Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 315</td>
<td>Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 317</td>
<td>Biochemistry Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Analytical Chemistry I: Quantitative</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 131</td>
<td>GN: Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 132</td>
<td>GE: Fundamental Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

### Additional requirements:

- Minimum 2.5 QPA in Biology courses Minimum grade of C in required and co-requisite courses
- Minimum grade of C is required and co-requisite courses
- At least one-half of the credit hours required in BIOL must be completed at East Stroudsburg University

---

### Biology B.S.

#### Concentration: Laboratory Medicine

Coordinator: Professor Abdalla M. Aldras

The Bachelor of Science program in Biology with a concentration in Laboratory Medicine prepares students to practice science in this diverse field. The goal of the program is to develop highly literate, compassionate, analytically competent persons who possess extensive contemporary knowledge of medical laboratory skills. Students are strongly urged to participate in scholarly activities such as research, scientific writing, presentation of papers and attendance at scientific meetings.

### PROGRAM FEATURES

83 credits

#### Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 111</td>
<td>GE: Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 112</td>
<td>GE: Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 115</td>
<td>GE: Introductory Biology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 200</td>
<td>General Ecology</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>BIOL 210</td>
<td>GE: Environmental Biology</td>
</tr>
<tr>
<td>BIOL 280</td>
<td>Laboratory Medicine Seminar</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 330</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 331</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 410</td>
<td>Histology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 416</td>
<td>Parasitology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 424</td>
<td>Mechanisms Of Disease I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 437</td>
<td>Immunology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 495</td>
<td>Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>OR</td>
<td>BIOL 496</td>
<td>Seminar II</td>
</tr>
</tbody>
</table>

#### Co-requisite courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 234</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 236</td>
<td>Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 315</td>
<td>Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 317</td>
<td>Biochemistry Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Analytical Chemistry I: Quantitative</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 131</td>
<td>GN: Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 132</td>
<td>GE: Fundamental Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>
two courses in mathematics or one course in mathematics and one course in computer science, excluding:

MATH 100 GN: Numbers Sets & Structures 3
MATH 101 GN: Excursions in Mathematics 3
MATH 105 Mathematical Problem Solving for Pre-K to Grade 8 3

Education Majors

Required quality point average:
2.25 or greater for courses in Biological Sciences.

Additional requirements:
- At least one half (23) of the credit hours required in biology must be completed at East Stroudsburg University.
- Please see the university requirements in this catalog.

**Biology B.S.**

**Concentration: Pre-Medicine**

Coordinator: Professor Joshua Loomis

his is a broad spectrum concentration designed to prepare students for further training as medical professionals in the fields of dentistry, medicine, optometry, osteopathy, podiatry, and veterinary.

*Freshmen must meet the following Entrance requirements:*

- Combined SAT score 1100, ACT Score of 24;
- High school GPA of at least 3.6;
- College-prep curriculum (preferable honors) that includes 4 years of English, 4 years of Mathematics, 3 years of science including 1 year each of biology, chemistry and physics;
- Class ranking in top 20 percent; and
- Permission of the Pre-Medicine Coordinator.

Students who do not meet the above requirements, but whose academic performance (after 30 semester hours minimum) meet the GPA requirements for the concentration, may request permission to transfer into the concentration from the Pre-Medicine Coordinator. Students will be evaluated after their junior year by the Pre-Medicine Committee. Students transferring from other schools or from other majors/concentrations should meet the same academic standards for college coursework.

**PROGRAM FEATURES**

73 credits

**Required major courses:**

BIOL 114 GN: Introductory Biology I 4
BIOL 115 GE: Introductory Biology II 4
BIOL 200 General Ecology 3
BIOL 315 Comparative Vertebrate Anatomy 4
BIOL 330 Microbiology 4
BIOL 331 Genetics 3
BIOL 340 Animal Physiology 4
BIOL 449 Cell Biology 3
BIOL 495 Seminar I 1
BIOL 496 Seminar II 1
and a minimum of nine additional credits at 300 level or above.

**Co-requisite courses:**

CHEM 121 GN: General Chemistry I 3
CHEM 123 GN: General Chemistry I Lab 1
CHEM 124 GE: General Chemistry II 3
CHEM 126 GE: General Chemistry II Lab 1
CHEM 233 Organic Chemistry I 3
CHEM 234 Organic Chemistry II 3
CHEM 235 Organic Chemistry I Lab 1
CHEM 236 Organic Chemistry II Lab 1

**PHYS 131** GN: Fundamental Physics I 4
**PHYS 132** GE: Fundamental Physics II 4
**OR**
**PHYS 161** GN: Physics I 4
**And**
**PHYS 162** GE: Physics II 4

**ENGL 203** GN: Advanced Composition 3
**OR**
**ENGL 204** Technical Writing 3

**6 credits in mathematics from the following:**

MATH 110 GN: General Statistics 3
MATH 130 GN: Applied Algebraic Methods 3
MATH 135 GN: Pre-Calculus 3
MATH 140 GN: Calculus I 4
MATH 141 GN: Calculus II 4

MATH 100, 101, 105, and 131 are not accepted.

A minimum grade of “C” is required in all required, co-requisite and directed GE courses.

**Required quality point average:**

3.5 QPA in basic sciences (see list below), 3.4 QPA in all BIOL, CHEM, PHYS and MATH courses, 3.3 QPA overall. At least one half (20) of the credit hours required in biology must be completed at East Stroudsburg University. Freshman, Internship, and Research courses will not be included in the QPA calculations to meet the requirements of this program. No more than six credits of Field Experience, Internship, and Research courses may be applied toward Biology requirements for this degree. This is a broad-spectrum program designed to prepare the student for further training as medical professionals in the fields of Dentistry, Medicine, Optometry, Osteopathy, Podiatry, and Veterinary.

- Take the appropriate medical college admission test (MCAT, DAT, OAT, GRE, etc.), and report scores to ESU pre-med coordinator.
- Pre-Medicine Committee Letter of Evaluation: The Pre-Medicine Committee can provide a letter of evaluation. The interview is in the spring of the junior year, and the student should present a curriculum vitae, transcripts, letters of recommendation, and a signed Buckley Amendment Waiver.
- Students who do not meet the minimal standards for evaluation will not earn a favorable recommendation from the Pre-Medicine committee and will be advised to withhold their applications to medical schools for one year, during which the student has the opportunity to remedy any deficiencies.

**4 YEAR CURRICULUM PROGRAM PLAN**

*(Subject to change by the university without notice)*

*Four year curriculum plans may vary according to a student's skills upon entry.*

**Freshman Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 114</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 234</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 236</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 16

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 115</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Credits:** 21
Biological Sciences major are preparing for entrance into one of the many Students enrolled in the Pre-Physical Therapy concentration in the Coordinator: Professor Chris Kavanau

Total Credit Hours: 120

For more information, contact the department at 570-422-3725 and ask for the contact information of the Pre-Medicine Coordinator, or visit www.esu.edu/biol

Biology B.S. – Concentration: Pre-Physical Therapy
- Coordinator: Professor Chris Kavanau

Students enrolled in the Pre-Physical Therapy concentration in the Biological Sciences major are preparing for entrance into one of the many experiences working alongside a practicing physical therapist. Several physical therapy clinics, providing students with at least 300 hours of clinical experience outside the classroom, and there are many opportunities available at local medical facilities.

Doctor of Physical Therapy (DPT) programs to become a licensed physical therapist. Although this pathway builds a strong science foundation and skill set for studying rehabilitation medicine, it also prepares students for other career paths in health sciences and exposes them to related disciplines in Biology. ESU has an established internship program with several physical therapy clinics, providing students with at least 300 hours of experience working alongside a practicing physical therapist.

PROGRAM FEATURES

74 credits

Required courses:
- BIOL 111 GE: Human Anatomy and Physiology I 4
- BIOL 112 GE: Human Anatomy and Physiology II 4
- BIOL 114 GN: Introductory Biology I 4
- BIOL 115 GE: Introductory Biology II 4
- BIOL 200 General Ecology 3
- BIOL 331 Genetics 3
- BIOL 340 Animal Physiology 4
- BIOL 410 Histology 4
- BIOL 495 Seminar I 1
- BIOL 496 Seminar II 1

and a minimum of eleven (11) additional semester hours in Biological Sciences except for:
- BIOL 103 GN: Forensic Biology 3
- BIOL 105 GN: General Biology 3
- BIOL 106 GN: Insects & Human Life 3

cannot include more than six credits in BIOL 484 plus BIOL 486

Co-requisite courses:
- CHEM 121 GN: General Chemistry I 3
- CHEM 123 GN: General Chemistry I Lab 1
- CHEM 124 GN: General Chemistry II 3
- CHEM 126 GE: General Chemistry II Lab 1
- CHEM 233 Organic Chemistry I 3
- CHEM 234 Organic Chemistry II 3
- CHEM 235 Organic Chemistry II Lab 1
- CHEM 236 Organic Chemistry II Lab 1
- PHYS 131 GN: Fundamental Physics I 4
- PHYS 132 GE: Fundamental Physics II 4

and three courses in mathematics or two courses in mathematics and one course in computer science
MATH 100, MATH 101, or MATH 105 not accepted

Required quality point average: 2.25 or greater for courses in Biological Sciences.

Additional requirements:
- At least one half (22) of the credit hours required in biology must be completed at East Stroudsburg University.

Biology B.S. - Concentration: Pre-Physician Assistant
Coordinator: Professor Jennifer L. White

This concentration prepares students to be competitive applicants to post-baccalaureate programs leading to licensing as a physician assistant. Students complete a Biology major with a concentration in Pre-PA studies, which includes specific curricular requirements intended to provide background necessary for admission into a Physician Assistant graduate program. Students are also expected to obtain hundreds of hours of clinical experience outside the classroom, and there are many opportunities available at local medical facilities.
Freshmen must meet the following Entrance requirements:

- Combined SAT score of 1100 or ACT Score of 24;
- High school GPA of at least 3.0;
- College-prep curriculum that includes four years of English, four years of mathematics, three years of science including biology and chemistry.
- Class ranking in the top 40 percent; and
- Permission of the Pre-PA coordinator.

Students will be evaluated after their junior year by the Pre-PA coordinator.

Succeeding in the Pre-PA Program

Students may receive a favorable recommendation from the Pre-PA coordinator by the application deadlines of PA graduate programs if they adhere to the curricular requirements and clinical recommendations. At the discretion of the Pre-PA coordinator, a student who fails to meet the standards for retention after the junior year may be placed on probationary status for one semester, during which all standards must be met for continuance.

Students should plan to complete general chemistry, organic chemistry, physics, introductory biology, and anatomy and physiology by the close of the junior year. Other courses recommended for completion by this time are genetics, animal physiology, histology, comparative anatomy, ecology, microbiology, statistics, and pre-calculus.

Students will be evaluated at the end of their junior year. Several hundred hours of clinical experience (direct patient care, shadowing, or health-related experience) in a hospital, clinic, senior care facility, etc., are recommended by graduation to be a competitive applicant to graduate programs.

This may be accomplished through an internship (BIL 486) subject to approval by the Pre-PA Coordinator.

PROGRAM FEATURES

77 credits

Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 111</td>
<td>GE: Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 112</td>
<td>GE: Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 115</td>
<td>GE: Introductory Biology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 200</td>
<td>General Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 330</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 331</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 340</td>
<td>Animal Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 410</td>
<td>Histology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 495</td>
<td>Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 496</td>
<td>Seminar II</td>
<td>1</td>
</tr>
</tbody>
</table>

and at least an additional 5 semester hours of biology electives except:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 103</td>
<td>GN: Forensic Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 105</td>
<td>GN: General Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 106</td>
<td>GN: Insects &amp; Human Life</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 234</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

Co-requisite courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 234</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 236</td>
<td>Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 131</td>
<td>GN: Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 161</td>
<td>GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 132</td>
<td>GE: Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 162</td>
<td>GE: Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>GN: Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 135</td>
<td>GN: Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 162</td>
<td>GN: Intro to Literary Analysis and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 203</td>
<td>GN: Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 204</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

A minimum grade of "C" is required in all required, co-requisite and directed GE courses.

Required quality point average:

3.3 or greater in required and co-requisite courses (excluding BIOL 480, BIOL 484, BIOL 485, BIOL 486, BIOL 494, BIOL 498), 3.0 or greater overall. At least one half (22) of the credit hours required in biology must be completed at East Stroudsburg University.

Students will be evaluated at the end of their junior year (after the sixth semester). Transfer students must meet the same academic standards for acceptance and college coursework.

Qualified students choosing to remain in the concentration must:

- Complete a diversity of clinical experiences, with hundreds of hours completed before the senior year.
- Maintain the required GPA.
- Interview with the Pre-PA coordinator in the spring of the junior year, to discuss grades, the application process, clinical experience, letters of recommendation, comments of internship sponsors, and registration for senior year classes to complete graduation requirements.

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 14

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 115</td>
<td>GE: Introductory Biology II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 4
ENGL 162  GN: Intro to Literary Analysis and Interpretation  3
OR
ENGL 203  GN: Advanced Composition  3
CPSC 101  GN: PC and Their Uses in the Sciences  3
HPLW 105  Health Promotion and Lifetime Wellness  3
Subtotal: 17

**Sophomore Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 111</td>
<td>GE: Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 330</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>MATH 135</td>
<td>GN: Pre-Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 112</td>
<td>GE: Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 234</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 236</td>
<td>Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 200</td>
<td>General Ecology</td>
<td>3</td>
</tr>
<tr>
<td>GN: XXX</td>
<td>General Education - Performing Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 14

**Junior Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 131</td>
<td>GN: Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 331</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 300-400</td>
<td>Biology Elective</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>GN: XXX</td>
<td>General Education - Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 16

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 132</td>
<td>GE: Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 300-400</td>
<td>Biology Elective</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>GN: XXX</td>
<td>General Education - Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>GN: XXX</td>
<td>General Education - Political Science</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 16

**Senior Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 410</td>
<td>Histology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 495</td>
<td>Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 300-400</td>
<td>Biology Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXX</td>
<td>Free Elective - Level 300/400</td>
<td>3</td>
</tr>
<tr>
<td>GN: XXX</td>
<td>General Education - Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 14

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 340</td>
<td>Animal Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 496</td>
<td>Seminar II</td>
<td>1</td>
</tr>
<tr>
<td>XXX</td>
<td>Free Elective - Level 300/400</td>
<td>3</td>
</tr>
<tr>
<td>GN: XXX</td>
<td>General Education - Philosophy or Language</td>
<td>3</td>
</tr>
<tr>
<td>GN: XXX</td>
<td>General Education - Geography or History</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 14

**Theory and practical training**

The program is designed to provide students with an in-depth experience and understanding of methods, techniques and instrumentation used in biotechnology. Applications are broad, and include human health, plant and animal agriculture, and environmental bioremediation. The core courses of this program combine theory and practical training. Techniques such as electrophoresis, ELISA, western blotting, PCR, DNA fingerprinting, cell culture, transformation and monoclonal antibody production will be covered.

**Transfer Students**

Many students transfer from community colleges and other universities. We welcome your inquiries. More information about credit course transfers is available from the Office of Admissions, 877-230-5547.

**PROGRAM FEATURES**

85 credits

**Required courses:**

- BIOL 114  GN: Introductory Biology I  4
- BIOL 115  GE: Introductory Biology II  4
- BIOL 200  General Ecology  3
- BIOL 281  Introduction to Biotechnology  3
- BIOL 330  Microbiology  4
- BIOL 331  Genetics  3
- BIOL 340  Animal Physiology  4
- OR
- BIOL 422  Plant Physiology  4
- BIOL 380  Cell Culture Techniques  2
- BIOL 430  Applied Microbiology  4
- BIOL 437  Immunology  3
- BIOL 439  Molecular Biology  3
- BIOL 465  Immunology Laboratory  1
- BIOL 477  Molecular Biology Lab  1
- BIOL 495  Seminar I  1
- BIOL 496  Seminar II  1

and a minimum of seven additional semester hours from:

- BIOL 410  Histology  4
- BIOL 411  Introduction to Molecular Biotechnology  3
- BIOL 414  Pathogenic Microbiology  3
- BIOL 419  Virology  3
- BIOL 424  Mechanisms Of Disease I  3
- BIOL 429  Human Physiology  3
- BIOL 449  Cell Biology  3

**Co-requisite courses:**

- CHEM 121  GN: General Chemistry I  3
- CHEM 123  GN: General Chemistry I Lab  1
- CHEM 124  GE: General Chemistry II  3
- CHEM 126  GE: General Chemistry II Lab  1
- CHEM 233  Organic Chemistry I  3
- CHEM 234  Organic Chemistry II  3
- CHEM 235  Organic Chemistry I Lab  1
- CHEM 236  Organic Chemistry II Lab  1
- CHEM 315  Biochemistry  3
- CHEM 317  Biochemistry Laboratory  1

- PHYS 131  GN: Fundamental Physics I  4
- OR
- PHYS 132  GE: Fundamental Physics II  4

- HPLW 105  Health Promotion and Lifetime Wellness  3

For more information, contact the department at 570-422-3725 or visit www.esu.edu/biol

**Biotechnology B.S.**

Coordinator: Professor Abdalla M. Aldras
PHYS 161 GN: Physics I 4
    And
PHYS 162 GE: Physics II 4

three courses in MATH or two courses in MATH and one in CPSC:
MATH 090, MATH 100, MATH 101, or MATH 105 not accepted

Required quality point average:
Minimum QPA of 2.50 overall

Additional requirements:
- Please see the university requirements in this catalog.

**4 YEAR CURRICULUM PROGRAM PLAN**

(Subject to change by the university without notice)

<table>
<thead>
<tr>
<th>Freshman Year Fall</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 114 GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 121 GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123 GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 135 GN: Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>GN ____ GN General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 115 GE: Introductory Biology II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 124 GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126 GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 103 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>GN ____ GN General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year Fall</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 331 Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 281 Introduction to Biotechnology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 233 Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235 Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>HPLW 105 Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
<tr>
<td>GN ____ GN General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 200 General Ecology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 234 Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 236 Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 110 GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>GN ____ GN General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year Fall</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 131 GN: Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 330 Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 340 Animal Physiology</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>BIOL 422 Plant Physiology</td>
<td>4</td>
</tr>
<tr>
<td>GN ____ GN General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 132 GE: Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 430 Applied Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL ____ Biology Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>BIOL 380 Cell Culture Techniques</td>
<td>2</td>
</tr>
<tr>
<td>GN ____ GN General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td><strong>16-17</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year Fall</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 495 Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>BIOL ____ Biology Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>CHEM 315 Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 317 Biochemistry Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>GN ____ GN General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td><strong>14-15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CPSC 101 GN: Personal Computers and Their Uses in the Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 437 Immunology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 465 Immunology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 439 Molecular Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 477 Molecular Biology Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 496 Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>GN ____ GN General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

For more information, contact the department at 570-422-3725 or visit www.esu.edu/biol

**Environmental Studies**

**About the Programs**

A Bachelor of Science in Environmental Studies is the best choice for those who plan on working as environmental consultants, in conservation districts, state and federal environmental agencies, non-governmental organizations or plan on attending graduate school.

A Bachelor of Arts degree in Environmental Studies is a good choice for those who plan to enter fields such as law, journalism, public policy or business. The course requirements for a Bachelor of Arts in Environmental Studies leave more room for a double major in a non-science field.

**Environmental Studies B.A.**

Coordinator: Professor Paul Wilson

**PROGRAM FEATURES**

74-84 credits

**Required courses:**

- BIOL 114 GN: Introductory Biology I 4
- BIOL 115 GE: Introductory Biology II 4
- BIOL 210 GE: Environmental Biology 3
- BIOL 463 Conservation Biology 4
- BIOL 484 Environmental Studies Field Experience and Internship 3 - 15
- BIOL 497 Environmental Studies Seminar 1
- two of the following
  - BIOL 200 General Ecology 3
  - BIOL 220 Field Botany 3
  - BIOL 221 Field Zoology 3
- five additional courses in a single discipline numbered 300 or higher approved by the adviser.

**Co-requisite courses:**

- CHEM 108 GN: Environmental Chemistry 3
- CHEM 121 GN: General Chemistry I 3
- CHEM 123 GN: General Chemistry I Lab 1
- CPSC 101 GN: PCs and Their Uses in the Sciences 3
- MATH 110 GN: General Statistics 3
PHYS 117  GN: Energy  3
GEOG 120  GN: Physical Geography  3
GEOG 121  GN: Physical Geology  3
CMST 111  GN: Introduction to Communication  3
ENGL 177  GN: Environmental Literature  3
POLS 120  GN: American Government  3
POLS 314  GE: State and Local Government  3
HLTH 230  Community Health  3

Required quality point average:
2.25 or greater for courses in Biological Sciences.

Additional requirements:
• A maximum of 6 hours of internship credit (BIOL 484) will be applied to the degree.
• At least one half (14) of the credit hours in biology must be completed at East Stroudsburg University.
• Please see the Foreign Language Competency Requirement.
• Please see the university requirements in this catalog.

4 YEAR CURRICULUM PROGRAM PLAN
(Subject to change by the university without notice)

Freshman Year Fall
BIOL 114  GN: Introductory Biology I  4
CHEM 108  GN: Environmental Chemistry  3
OR
CHEM 121  GN: General Chemistry I  3
And
CHEM 123  GN: General Chemistry I Lab  1
ENGL 103  English Composition  3
GEOG 120  GN: Physical Geography  3

Subtotal: 13-14

Spring
BIOL 115  GE: Introductory Biology II  4
BIOL 210  GE: Environmental Biology  3
MATH 110  GN: General Statistics  3
PHYS 117  GN: Energy  3
HPLW 105  Health Promotion and Lifetime Wellness  3

Subtotal: 16

Sophomore Year Fall
BIOL 200  General Ecology  3
OR
CMST 111  GN: Introduction to Communication  3
ENGL 177  GN: Environmental Literature  3
ML__ ____ Modern Language  3
GN ____ General Education Elective (Group A)  3

Subtotal: 15

Spring
BIOL 200  General Ecology  3
OR
BIOL 221  Field Zoology  3
BIOL ____ Biology Elective (Upper-Division)  3-4
GN ____ General Education Elective (Group A)  3
GN ____ General Education Elective (Group C)  3

Subtotal: 12-13

Junior Year Fall
POLS 314  GE: State and Local Government  3
XXXX ____ Free Elective  3
BIOL ____ Biology Elective (Upper-Division)  3-4
GN ____ General Education Elective (Group A)  3
GN ____ General Education Elective (Group C)  3

Subtotal: 15-16

Spring
BIOL 484  Environmental Studies Field Experience and Internship  3-15
GN ____ General Education Elective (Group C)  3

Subtotal: 7-14

Senior Year
Fall
BIOL ____ Biology Elective (Upper-Division)  3-4
BIOL 463  Conservation Biology  4
HPLW 105  Community Health  3
XXXX ____ Free Elective  3
XXXX ____ Free Elective  3

Subtotal: 13-15

Spring
BIOL ____ Biology Elective (Upper-Division)  3-4
BIOL 463  Conservation Biology  4
BIOL 497  Environmental Studies Seminar  1
XXXX ____ Free Elective  3

Subtotal: 16-17

Environmental Studies B.S.
Coordinator: Professor Paul Wilson

PROGRAM FEATURES
48-54 credits

Required courses:
BIOL 114  GN: Introductory Biology I  4
BIOL 115  GE: Introductory Biology II  4
BIOL 210  GE: Environmental Biology  3
MATH 110  GN: General Statistics  3
PHYS 117  GN: Energy  3
HPLW 105  Health Promotion and Lifetime Wellness  3
BIOL 200  General Ecology  3
OR
CMST 111  GN: Introduction to Communication  3
ENGL 177  GN: Environmental Literature  3
ML__ ____ Modern Language  3
GN ____ General Education Elective (Group A)  3
BIOL 200  General Ecology  3
OR
BIOL 221  Field Zoology  3
BIOL 221  Field Zoology  3
BIOL ____ Biology Elective (Upper-Division)  3-4
GN ____ General Education Elective (Group A)  3
GN ____ General Education Elective (Group C)  3
BIOL 440  General Aquatic Ecology  3
BIOL 443  Stream Ecology  3
BIOL 446  Limnology  3

one field ecology course
BIOL 200  General Ecology  3
BIOL 220  Field Botany  3
BIOL 221  Field Zoology  3

one plant course
BIOL 320  Plant Morphology  3
BIOL 422  Plant Physiology  4
BIOL 423  Plant Ecology  3
BIOM 461  Marine Botany  3

one aquatic course
BIOL 440  General Aquatic Ecology  3
**4 YEAR CURRICULUM PROGRAM PLAN**

*(Subject to change by the university without notice)*

### Freshman Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>CPSC 101</td>
<td>GN: Personal Computers and Their Uses in the Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 460</td>
<td>Marine Ecology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 14-15

### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 325</td>
<td>Ornithology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 333</td>
<td>Invertebrate Zoology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 425</td>
<td>Herpetology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 451</td>
<td>General Entomology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 462</td>
<td>Mammalogy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 466</td>
<td>Marine Ichthyology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 17

### Junior Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 210</td>
<td>GE: Environmental Biology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>GN</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

### Senior Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 220</td>
<td>Field Botany</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 221</td>
<td>Field Zoology</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 120</td>
<td>GN: Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GN</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15-16

### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 121</td>
<td>GN: Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GN</td>
<td>General Education Elective - Social Science</td>
<td>3</td>
</tr>
<tr>
<td>BIOL</td>
<td>Biology Elective (plant, aquatic, animal, or field)</td>
<td>3-4</td>
</tr>
<tr>
<td>GN</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15-16

### Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 484</td>
<td>Environmental Studies Field Experience and Internship</td>
<td>3-15</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 494</td>
<td>Research In Biology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 341</td>
<td>Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>XXX</td>
<td>Free Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 11-16

### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL</td>
<td>Biology Elective (Upper-Division)</td>
<td>3-4</td>
</tr>
<tr>
<td>BIOL 463</td>
<td>Conservation Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 373</td>
<td>Environmental Quality: The Chemical Approach</td>
<td>4</td>
</tr>
<tr>
<td>XXXX</td>
<td>Free Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 14-15

### Summer

For more information, contact the department at 570-422-3725 or visit our website www.esu.edu/biol
Marine Science

Marine Science B.S.
Coordinator: Professor James C. Hunt

This is a directed degree program giving students firsthand knowledge via field experiences at the Wallops Island Marine Station as well as in-depth training in the theoretical aspects of marine science.

PROGRAM FEATURES

63 credits

Required courses:
- BIOL 114: GN: Introductory Biology I 4
- BIOL 115: GE: Introductory Biology II 4
- BIOL 288: Investigations in Marine Science 1
- BIOL 460: Marine Ecology 3
- BIOL 462: Mammalogy 4
- BIOL 466: Marine Ichthyology 3
- BIOL 474: Introduction to Oceanography 3
- BIOL 498: Research in Marine Science 3
- BIOM 470: Marine Biology 3

and four courses in Marine Science taken at the Wallops Island field station. No more than six credits of internship may be applied toward Biology requirements for this degree.

BIOL 288: (two credits)

Co-requisite courses:
- CHEM 121: GN: General Chemistry I 3
- CHEM 123: GE: General Chemistry I Lab 1
- CHEM 124: GE: General Chemistry II 3
- CHEM 126: GE: General Chemistry II Lab 1
- CHEM 233: Organic Chemistry I 3
- CHEM 235: Organic Chemistry I Lab 1
- GEOG 121: GN: Physical Geology 3
- MATH 110: GN: General Statistics 3
- PHYS 131: GN: Fundamental Physics I 4
- PHYS 132: GE: Fundamental Physics II 4

Additional requirements:
- At least one half (19) of the credit hours required in biology must be completed at East Stroudsburg University.
- Please see the university requirements in this catalog.

This is a directed degree program giving students firsthand knowledge via field experiences at the Wallops Island Marine Station as well as in-depth training in the theoretical aspects of marine science.

Field Experience
The Marine Science Consortium at Wallops Island, Va., maintains labs and has classrooms, research vessels and equipment for studies of marine and coastal biology.

Medical Technology

Medical Technology B.S.
Coordinator: Professor Abdalla M. Aldras

This degree program is designed for students who are preparing for careers in diagnostic laboratory medicine. It also prepares students for other roles in the health professions as well as the background necessary to pursue studies beyond the baccalaureate degree. A strong background in science as well as a personal interview is necessary for final admission. Enrollment is limited due to the availability of clinical facilities. Students are admitted to the program after completion of the freshman year with a quality point average of 2.5. The curriculum includes three academic years at East Stroudsburg University and a 12-month internship in a hospital laboratory approved by the American Society of Clinical Pathologists and the American Medical Association. The Bachelor of Science degree with a major in Medical Technology may be awarded upon completion of a minimum of 98 credits at East Stroudsburg University and the 12-month internship (32 credits allowed for this work).

PROGRAM FEATURES

54 credits

Required courses:
- BIOL 111: GE: Human Anatomy and Physiology I 4
- BIOL 112: GE: Human Anatomy and Physiology II 4
- BIOL 114: GE: Introductory Biology I 4
- BIOL 330: Microbiology 4
- BIOL 331: Genetics 3
- BIOL 416: Parasitology 3
- BIOL 437: Immunology 3
- BIOL 439: Molecular Biology 3
- BIOL 449: Cell Biology 3

Co-requisite courses:
- CHEM 121: GN: General Chemistry I 3
- CHEM 123: GN: General Chemistry I Lab 1
- CHEM 124: GE: General Chemistry II 3
- CHEM 126: GE: General Chemistry II Lab 1
- CHEM 233: Organic Chemistry I 3
- CHEM 235: Organic Chemistry I Lab 1
- CHEM 315: Biochemistry 3
- CHEM 317: Biochemistry Laboratory 1
- CPSC 101: GN: PCs and Their Uses in the Sciences 3
- MATH 110: GN: General Statistics 3

one of the following courses:
- BIOL 312: Principles of Neural Science 3
- BIOL 410: Histology 4
- BIOL 414: Pathogenic Microbiology 3
- BIOL 419: Virology 3
- BIOL 424: Mechanisms Of Disease I 3
- BIOL 429: Human Physiology 3
- BIOL 435: Endocrinology 3
- BIOL 492: Mechanisms of Disease II 3

may be substituted for CHEM 315 and CHEM 317

Additional requirements:
- At least one half of the credit hours required in biology must be completed at East Stroudsburg University. A full calendar year internship in a hospital laboratory approved by the American Society of Clinical Pathologists and the American Medical Association (32 credits).
- Please see the university requirements in this catalog.
4 YEAR CURRICULUM PROGRAM PLAN
(Subject to change by the university without notice)
The curriculum includes three academic years at ESU and a 12-month internship in a hospital laboratory approved by the American Society of Clinical Pathologists and the American Medical Association.

**Freshman Year Fall**
- BIOL 111: GE: Human Anatomy and Physiology I 4
- BIOL 114: GN: Introductory Biology I 4
- CHEM 121: GN: General Chemistry I 3
- CHEM 123: GN: General Chemistry I Lab 1
- GN: GN General Education Elective 3
  **Subtotal: 15**

**Spring**
- BIOL 112: GE: Human Anatomy and Physiology II 4
- CHEM 124: GE: General Chemistry II 3
- CHEM 126: GE: General Chemistry II Lab 1
- GN: GN General Education Elective 3
- GN: GN General Education Elective 3
  **Subtotal: 14**

**Sophomore Year Fall**
- BIOL 330: Microbiology 4
- CHEM 233: Organic Chemistry I 3
- CHEM 235: Organic Chemistry I Lab 1
- ENGL 103: English Composition 3
- GN: GN General Education Elective 3
  **Subtotal: 16**

**Junior Year Fall**
- BIOL 416: Parasitology 3
- BIOL 424: Mechanisms Of Disease I 3
- HPLW 105: Health Promotion and Lifetime Wellness 3
- GN: GN General Education Elective 3
- GN: GN General Education Elective 3
  **Subtotal: 15**

**Spring**
- BIOL 437: Immunology 3
- BIOL 439: Molecular Biology 3
- OR
- BIOL 449: Cell Biology 3
- CPSC 101: GN: Personal Computers and Their Uses in the Sciences 3
- GN: GN General Education Elective 3
- GN: GN General Education Elective 3
  **Subtotal: 15**

**Senior Year**

Fall-Spring
Twelve-month internship in a hospital laboratory approved by the American Society of Clinical Pathologists and the American Medical Association.

---

Total Credit Hours: 120
For more information, contact the department at 570-422-3725 or visit www.esu.edu/biol

**Biological Sciences Faculty**

**Professors:**
- James Hunt (jhunt@esu.edu)
- Thomas Tauer (ttauer@esu.edu)
- Matthew Wallace, Chair (mwallace@esu.edu)
- Howard Whidden (hwhidden@esu.edu)

**Associate Professors:**
- Abdalla Aldras (aaldras@esu.edu)
- Thomas LaDuke (tcladuke@esu.edu)
- Joshua Loomis (jloomis2@esu.edu)
- Emily Rollinson (erollinson@esu.edu)
- Jennifer White (jwhite@esu.edu)
- Paul Wilson (pwalson@esu.edu)

**Assistant Professors:**
- Chris Kavanau (ckavanau@esu.edu)
- Tracy Whitford (twhitford@esu.edu)
- Shiqi Zhang (szhang4@esu.edu)

**BIOL - Biology Courses**

**BIOL 103 - GN: Forensic Biology (3 credits)**
This course is a study of the application of biology to solve crimes. The student will learn the significance of biological samples of forensic relevance, such as blood, semen, hair, and saliva in terms of their biological properties and the evidential information that can be obtained from them. The course will explore the applications of molecular biology and genetics in areas such as DNA profiling, protein polymorphisms and immunological tests. The course will also investigate the roles of entomology in post mortem examinations, forensic botany, and palynology. For non-Biology majors only.

**BIOL 104 - GN: Human Ecology (3 credits)**
This course is an ecological study of human impact on the environment; how past and present practices by man will influence the planet's future; discussion of population, pollution, and attitudes affecting ecosystem balance and stability; special interest groups or action groups may be organized at the option of the instructor.

**BIOL 105 - GN: General Biology (3 credits)**
This course is an introduction to a broad spectrum of biological topics and to the scientific methods used in studying biology. The course will investigate the structure and function of animals and plants and will include information on current topics such as genetics, ecology, and evolution. This course cannot be used for credit toward a biology major.

**BIOL 106 - GN: Insects & Human Life (3 credits)**
This course is designed to teach the principles of biological science by utilizing examples of insects and their interactions with humans. Interesting examples of insects throughout the world will be cited in discussion of biological evolution, morphology, physiology, diversity, systematics, behavior, reproduction, and ecological interactions. This course cannot be used for credit toward a Biological Sciences major.
BIOL 111 - GE: Human Anatomy and Physiology I (4 credits)
This is an introductory course in Human Anatomy and Physiology for Physical Education, Nursing, and Pre-Med majors. Systems of the body will be covered from a structural and functional standpoint. The topics covered in lab and lecture will be epithelium, connective tissues, bones, muscles, nervous system, special senses, and the endocrine glands.
Distribution: GE: Natural Sciences - Biology.

BIOL 112 - GE: Human Anatomy and Physiology II (4 credits)
This is the continuation of the course Human Anatomy and Physiology I and is designed for Nursing, Physical Education, and Pre-Med majors. Additional systems of the body will be covered from a structural and functional standpoint. Topics covered will be the cardiovascular system, respiratory system, digestive system, urinary system, reproductive system, and the fetal systems.
Distribution: GE: Natural Sciences - Biology. Prerequisite: BIOL 111.

BIOL 114 - GN: Introductory Biology I (4 credits)
Introductory Biology I is a comprehensive course in biology which covers basic concepts in classical and modern biological thought. Topics focus on the central principles of structure and function of the cell, metabolism, genetics, protein synthesis, and concepts of evolution and ecology.

BIOL 115 - GE: Introductory Biology II (4 credits)
Introductory Biology II is a continuation of Introductory Biology I. Topics to be discussed include classification schemes, plant and animal anatomy, and systemic physiology. The course has been designed to provide the student with a sound foundation in Biology for advanced studies in this field.
Distribution: GE: Natural Sciences - Biology. Prerequisite: BIOL 114.

BIOL 116 - GE: Human Anatomy and Physiology I for the Health Sciences (3 credits)
This course is the first of a two-course sequence involving the study of the normal structure and function of the human body. Students will explore basic biological chemistry, molecules, cells, histology, sensory organs, integumentary, skeletal, muscular, and nervous systems from perspective of a clinical setting. Clinical and applied case studies will be utilized to emphasize the role of preventative and rehabilitative health care on anatomical systems. This course cannot be used for credit towards a major in Biological Sciences.
Distribution: GE: Natural Sciences - Biology.

BIOL 117 - Human Anatomy and Physiology Laboratory for the Health Sciences (1 credit)
The laboratory experience that will introduce health sciences students to an in-depth anatomical and physiological analysis of the cardiovascular, respiratory, digestive, renal, urinary, and reproductive systems. Physiological exercises, virtual dissections, standard instrumentation organ models and various audiovisual/technical aids will be used to augment student comprehension. This course cannot be used towards a major in the Biological Sciences.

BIOL 119 - Human Anatomy and Physiology II Laboratory for the Health Sciences (1 credit)
The laboratory experience will introduce health sciences students to an in-depth anatomical and physiological analysis of the cardiovascular, respiratory, digestive, renal, urinary, and reproductive systems. Physiological exercises, virtual dissections, standard instrumentation organ models and various audiovisual/technical aids will be used to augment student comprehension. This course cannot be used towards a major in the Biological Sciences.
Distribution: GE: Natural Sciences - Biology. Prerequisite: BIOL 117.

BIOL 200 - General Ecology (3 credits)
This course is a study of interrelationships of plants and animals and their environments; the influences of heat, light, air, soil, water, and biotic factors; associations and successions; habitat types; populations, equilibrium, and predator-prey relationships.
Distribution: Advanced | W2 . Prerequisite: BIOL 114, BIOL 115, ENGL 203.

BIOL 210 - GE: Environmental Biology (3 credits)
This course is required for Environmental Studies majors and is also intended for those with concentrations in the field of medical studies. It will follow an ecosystems approach to ecology as related to humans. Emphasis will be placed on discrete ecological principles which affect local and global environments.
Distribution: GE: Natural Sciences - Biology. Prerequisite: BIOL 104 OR BIOL 114.

BIOL 220 - Field Botany (3 credits)
This course includes field studies in identification and classification of native and cultivated plants of the area and special instruction in the use and preparation of keys to the identification of herbs, shrubs, trees, ferns, bryophytes, and algae. Phylogenetic and taxonomic relationships of the plant groups will be explored.

BIOL 221 - Field Zoology (3 credits)
This course is a general study of animal groups found in the region; field technique, trapping, tagging, and population studies; amphibia, reptiles, birds of prey, and mammals. Class discussion of wildlife conservation and man's role in nature are included.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 280 - Laboratory Medicine Seminar (1 credit)
Selected topics in Laboratory Medicine will be discussed and analyzed by the students. Emphasis is placed upon recent developments, and students are expected to orally report upon at least one contemporary aspect of Laboratory Medicine. Invited speakers as well as field trips to various laboratory facilities will be an integral part of the course.
Distribution: Advanced. Prerequisite: BIOL 102, BIOL 114, BIOL 115.

BIOL 281 - Introduction to Biotechnology (3 credits)
This course is intended to introduce the students to the fundamental concepts needed for a thorough understanding of biotechnology and its applications. It provides an overview of the objectives, techniques, and problems related to the application of biotechnology in different fields. Major subjects addressed include medical biotechnology, pharmaceutical development, agriculture applications, and environmental applications. Also discussed will be ethical issues and their implication in the new biotechnological advances. Updates to the new breakthroughs and discoveries will be emphasized.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.
BIOL 288 - Investigations in Marine Science (1 credit)
Selected topics in Marine Science will vary depending on the individual needs of the students and the relevant literature. The course may be repeated, for which additional work will be required. Introductory Biology; May be taken concurrently.
Prerequisite: Introductory Biology; May be taken concurrently.

BIOL 290 - Special Topics: (Semester hours arranged)
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

BIOL 311 - Embryology (3 credits)
This course examines the processes involved in the development of animals through study of fertilization, cleavage, gastrulation, formation of appendages, origin of organs, and the process of differentiation.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 312 - Principles of Neural Science (3 credits)
Principles of Neural Science will provide an added dimension to students interested in knowing more about the nervous system of man. This course will complement the courses in Anatomy and Physiology as well as Mechanisms of Disease.
Distribution: Advanced. Prerequisite: BIOL 111, BIOL 112, BIOL 114, BIOL 115 AND CHEM 233 or permission of instructor.

BIOL 315 - Comparative Vertebrate Anatomy (4 credits)
This course deals with evolutionary and functional aspects of vertebrate anatomy. A series of vertebrates will be dissected in order to demonstrate the evolutionary development of anatomical systems. The physiological, ecological, and behavioral significance of anatomical characteristics observed in laboratory will be the topic of lecture sessions providing a synthesis of these biological disciplines within an evolutionary framework.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 320 - Plant Morphology (3 credits)
This course is primarily a study of the classification, general characteristics, and life cycles of the major plant divisions. The student becomes acquainted with representative mosses, liverworts, ferns, fern allies, and gymnosperms. The general ecology and economic values of the plant groups are investigated.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 321 - Plant Pathology (3 credits)
This course is an introduction to the study of plant disease. Discussion consists of the kinds of disease in plants, the agents causing them, and factors which influence disease development with special emphasis on symptomatology and disease control.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 322 - Plant Responses to Environmental Stress (4 credits)
As plants are developing and reproducing they are often subjected to environmental stress, which can be quite severe. Temperature extremes, drought, flooding, unavailability of nutrients, toxic minerals, and airborne pollutants are examples of such stress factors. This course deals with the symptoms of stress and the mechanisms by which some plants overcome these problems. Lab exercises provide experience in applying appropriate methods to the study of stress effects and plant responses.
Distribution: Advanced. Prerequisite: BIOL 114, 115; CHEM 121, 123,124,126.

BIOL 325 - Ornithology (4 credits)
The emphasis in this course is introductory in nature; consequently, all aspects of ornithology will be discussed with an emphasis on evolution, ecology, behavior, and adaptation. In the laboratory, field identification and behavioral observation of birds of the eastern United States will be stressed through field trips to local and regional parks and refuges.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 330 - Microbiology (4 credits)
This course is a study of microscopic forms of life with emphasis upon bacteria. Special attention will be given to growth, metabolism, and control of microorganisms. Consideration is given to the relationship of microbes to health and disease. In the laboratory, techniques of isolation, staining, biochemical, characterization, and serology are stressed.
Distribution: Advanced. Prerequisite: BIOL 114, CHEM 121,123,124,126, OR Equivalent.

BIOL 331 - Genetics (3 credits)
This course includes a study of the principles of Mendelian genetics and theories of inheritance including the chemical nature, location, organization and transfer of the information encoded in nucleic acids. Aspects of population and medical genetics are reviewed.
Distribution: Advanced. Prerequisite: BIOL 114.

BIOL 333 - Invertebrate Zoology (4 credits)
This course is a comprehensive survey of the major phyla of invertebrate animals. The morphology, functional biology, ecology, evolutionary history, and phylogeny of invertebrate taxa will be covered. The minor invertebrate phyla will be introduced. Laboratory is required.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 340 - Animal Physiology (4 credits)
This course is an introductory study of animal organ systems, their functions and mechanisms of function as related to whole organism homeostasis. Topics include energetics, temperature and fluid regulation, and nervous and hormonal controls.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115; CHEM 121, CHEM 123, CHEM 124, CHEM 126.

BIOL 350 - Animal Behavior (3 credits)
The Animal Behavior course will provide an introduction to the study of ethology. The course will begin with a historical account of the development of ethology as a science followed by discussions of the evolutionary, genetic, and physiological bases of various types of behaviors.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115 AND BIOL 200.

BIOL 351 - Animal Behavior Lab (1 credit)
This course complements the Animal Behavior lecture course. Laboratory topics are chosen to facilitate an in-depth analysis of specific topics discussed in lecture. Emphasis will be placed on observing, measuring, analyzing, and reporting behavioral patterns observed in laboratory and field conditions.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115, BIOL 350 (Concurrently) AND BIOL 200.

BIOL 380 - Cell Culture Techniques (2 credits)
This course is designed to provide the students with theory and basic techniques of plant and animal cell cultures. These include aseptic techniques, media preparation, establishment of primary culture, maintenance and propagation, contamination control, transformation, transfection, cloning, and fusion of cultured cells.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115, CHEM 121, CHEM 123, CHEM 124 AND CHEM 126.

BIOL 390 - Human Gross Anatomy (4 credits)
This course is designed to provide the student with an in-depth examination of the structure and function of the human body. Using a regional approach, students will examine through lecture/discussion and
laboratory exercises systems including the musculoskeletal, nervous, endocrine, and cardiovascular.
Distribution: Advanced. Prerequisite: BIOL 111, BIOL 112, BIOL 114 AND BIOL 115.

BIOL 407 - Organic Evolution (3 credits)
This course develops a synthetic theory of evolution, describes the causes of variability, organizes genetic variability in the population, and evaluates isolation, hybridization, and ploidy. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 410 - Histology (4 credits)
This course is a study of the microscopic anatomy of cells, tissues, and organs. Correlations between structure and function at the microscopic and submicroscopic levels are primary functions of the course. Laboratory experiences will supplement the lectures and provide students with the opportunity to develop the ability to recognize the microscopic anatomy of cells, tissues, and organs.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 411 - Introduction to Molecular Biotechnology (3 credits)
The course will provide students with an overview of modern molecular biology and the growing field of biotechnology. The laboratory component will allow students to use some of the major techniques and instrumentation widely used in molecular biology research. Guest lecturers will present key projects that illustrate the application of biotechnology to problems of disease prevention and vaccine production.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 414 - Pathogenic Microbiology (3 credits)
This course is a study of the pathogenic microorganisms. The emphasis is on bacteria, rickettsia, and chlamydia. The morphological, biochemical, serological, and pathological characteristics of these organisms will be addressed. This course will focus on important nosocomial and outbreak associated etiological agents.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 330.

BIOL 416 - Parasitology (3 credits)
This is an introductory course consisting of a morphological study of selected parasites of man and animals with special attention to host-parasite relationships and the phenomenon of parasitism. Laboratory experience includes dissection of vertebrate hosts and fixation, staining, mounting, and identification of parasites recovered.
Distribution: Advanced. Prerequisite: BIOL 114 AND BIOL 115 OR BIOL 111 AND BIOL 112.

BIOL 419 - Virology (3 credits)
This course includes a study of the aspects of systematics, serology, immunology, vaccines and genetics of viruses. Representative viral diseases along with their mechanism for pathogenicity are studied. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: BIOL114, BIOL 115 AND BIOL 330.

BIOL 421 - Introductory Mycology (3 credits)
This course is a survey of higher and lower fungi, including field collections of fleshy fungi with laboratory physiological studies and identification. Emphasis on fleshy basidiomycetes and fungi imperfecti. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 422 - Plant Physiology (4 credits)
This course is a study of the functions of higher plants, including water relations, photosynthesis, respiration, nutrition, and the control of plant growth and development. The practical applications of plant physiology are also discussed. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 423 - Plant Ecology (3 credits)
This course is designed to instill knowledge of the fundamentals of plant ecology and the methods of vegetation analysis. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115 AND BIOL 116.

BIOL 424 - Mechanisms Of Disease I (3 credits)
This course will discuss the mechanisms contributing to disease and representative diseases affecting the various body systems. Readings, Kodachrome slides, and selected, preserved organs/tissues will be used to graphically illustrate the diseases.
Distribution: Advanced. Prerequisite: BIOL 111, BIOL 112.

BIOL 425 - Herpetology (3 credits)
This course will review the biology of the vertebrate classes Amphibia and Reptilia from an organismic perspective. The topics of focus will include evolution, systematics, ecology, and behavior. Field research techniques will also be emphasized.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 426 - Wildlife Biology (3 credits)
A management approach to wildlife resource biology, the emphasis is on life histories, investigative techniques, and field research methods. Most North American game species are included. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 427 - Biogeography (3 credits)
This course deals with the geographical distribution of organisms. It examines the pattern of these distributions and the underlying causes for them. The question of what present distributions of organisms indicate about past climates and environments is considered. A secondary area of examination is ecology of invasions which include present day translocation of organisms from former to new habitats. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Prerequisite: BIOL 114, 115, 331.

BIOL 429 - Human Physiology (3 credits)
This course is an in-depth study of human physiology. Emphasis is placed on the function and interrelationship of the nervous, circulatory, respiratory, and excretory systems. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: BIOL 111, BIOL 112; CHEM 312 is Recommended.

BIOL 430 - Applied Microbiology (4 credits)
This course stresses the applications of principles learned in general microbiology. Emphasis will be placed on specific microbiological techniques as they apply to pathogenic microorganisms, agriculture, and the environment.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 330.

BIOL 435 - Endocrinology (3 credits)
This course is designed to instill knowledge of the principles of the chemical integrating system — the endocrine system — of animals, with particular emphasis on the vertebrates. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: CHEM 234.
## BIOL 437 - Immunology (3 credits)
A course designed to develop a basic understanding of the immune system and its relationship to disease. Everyday immunologic problems, penicillin and ragweed allergy, myeloma and lymphomas, serologic tests involving antigen antibody reactions, immunization, etc. will be considered. Graduate students will be expected to write a paper and complete a project.
Distribution: Advanced. Prerequisite: BIOL 111, BIOL 112.

## BIOL 439 - Molecular Biology (3 credits)
This course is intended to provide in-depth coverage of the principles of molecular biology. The structure of nucleic acids and proteins will be reviewed. The process of DNA replication, transcription, and translation in both prokaryotes and eukaryotes will be considered. The control of gene expression in several representative systems will be discussed in detail. Current methodologies in recombinant DNA research will be emphasized.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 331; CHEM 121, CHEM 123, CHEM 124 AND CHEM 126.

## BIOL 440 - General Aquatic Ecology (3 credits)
This course is a study of the plants, animals, and microorganisms that interrelate within the aquatic environment. Local habitats are used to illustrate theoretical and applied principles of aquatic ecology; freshwater and marine ecosystems in relationship to various types of pollution are also considered.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

## BIOL 441 - Ecology of Water Pollution (3 credits)
Distribution: Advanced. Prerequisite: two courses in Biology.

## BIOL 442 - Biology of Aquatic Macrophytes (3 credits)
This course considers the identification, ordination, morphology, physiology, and ecology of the larger vascular and non-vascular aquatic plants. Since this course is also offered for graduate credit a differentiation of requirements is made.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 116.

## BIOL 443 - Stream Ecology (3 credits)
Stream Ecology is a course designed to study the biological parameters of rivers and streams with special emphasis on trophic dynamics, invertebrate-vertebrate communities, and seasonal changes. The effects of pollution on various aspects of streams will also be a major consideration. Field investigations will be used to examine differing streams and their particular characteristics. A variety of sampling techniques will be used in the field to give students experience with different methods of answering ecological questions. Since this course is also offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115 AND BIOL 200.

## BIOL 446 - Limnology (3 credits)
This course provides basic principles of physical limnology in relation to several types of communities in lakes and streams; laboratory and field trips are an integral part of the course. Since this course is also offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

## BIOL 449 - Cell Biology (3 credits)
This course will provide an in-depth examination of cell structure and function and the interrelationship between the two. Special attention will be given to membranes, cytoskeleton, and cell surface structures. The function of these structures in the coordination of activities occurring within and among cells will be stressed.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 331 AND CHEM 234.

## BIOL 451 - General Entomology (3 credits)
This course is the study of insects with respect to morphology, physiology, taxonomy, and ecology; insects of economic importance are used as examples. This is a basic course leading to several aspects of entomology such as insect morphology, economic entomology, insect physiology, medical entomology, etc. Since this course is also offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

## BIOL 454 - Medical Entomology (3 credits)
This course is the study of arthropods that affect the health of man and animals. The study includes a brief account of introductory entomology and that of the ticks, insects, and sites of medical importance, both as vectors and as the causal agents of pathological conditions. Seeks understanding of the principle of the vector-host relationship. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: BIOL 114 and BIOL 115 OR BIOL 451.

## BIOL 457 - Behavioral Ecology (3 credits)
Behavioral Ecology is designed to introduce students to animal behavior within an ecological and evolutionary context. The subject matter deals with ways in which an organism’s behaviors are influenced by the environment, especially with regard to resource distribution. Since this course is also offered for graduate credit, a differentiation of requirements will be made. Course is offered regularly at ESU and occasionally at the Marine Science field station at Wallops Island, Va.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

## BIOL 459 - Wildlife Disease Laboratory (1 credits)
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115, BIOL 330 AND BIOL 458 (Concurrent).

## BIOL 460 - Marine Ecology (3 credits)
This course is a study of the physical constants of the marine environment as it interrelates with marine organisms. The ecological interactions of the organisms with each other will be emphasized. The effect of pollution and excessive exploitation on marine organisms will be discussed. Since this course is also offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

## BIOL 461 - Mechanisms of Disease Laboratory (1 credit)
This course focuses on basic mechanism of disease (the processes). The main thrust is directed toward identification of the changes in the human body at cellular, tissue, and system levels when insulted by a disease. Glass microscopic slides, 35mm slides, organ and tissue specimens, images from the Internet and DC-ROM programs will be utilized in this course. BIOL 424 is a Co-requisite.
BIOL 462 - Mammalogy (4 credits)
An overview of the vertebrate Class Mammalia, this course is designed to help the student develop a basic understanding of the anatomy, diversity, ecology, fossil record, and geographical distributions of mammals. Students will be exposed to the modern and fossil mammals of the world – with a focus on the regional fauna – through a combination of classroom discussion, lecture, laboratory work with preserved specimens, field trips, and field work.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115 AND BIOL 200.

BIOL 463 - Conservation Biology (4 credits)
This course will synthesize topics relating to the conservation of animals and plants, including extinction, genetics, demography, insularization, threats to biodiversity, conservation economics, environmental ethics, and strategies for conservationists.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 465 - Immunology Laboratory (1 credit)
This course is designed to provide the students with hands-on laboratory experimentation using basic immunological techniques. The course will include methods and techniques of: Immunization and bleeding of mice, antigen and antibody purification and characterization, immunoelectrophoresis, western blot, ELISA procedures, immunoprecipitation, immunocytochemistry, identification of cellular antigens by immunofluorescence, and isolation of mouse lymphoid tissue (spleen and thymus).

BIOL 466 - Marine Ichthyology (3 credits)
This course is a study of the internal and external structure of fishes, their systematic and ecological relationships, and their distribution in time and space. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOL 467 - Fish Health Management (3 credits)
The maintenance of fish health in enclosed, recycling water systems will be studied. The chemical, physical, and biological processes of these enclosed systems will be related to the health of various species of fish. Nutrition, fish handling, and diagnosis of diseases will also be emphasized.
Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115.

BIOL 474 - Introduction to Oceanography (3 credits)
This course is designed to familiarize the student with the marine environment and current developments in the marine sciences. Topics for study will include the physical parameters of the ocean, ocean basin topography, life in the sea, and resources in the ocean. This course is periodically offered at the Marine Science field station in Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOL 477 - Molecular Biology Lab (1 credit)
This course is intended as an adjunct to BIOL 439 Molecular Biology. This course will provide students with hands-on experience using techniques for molecular biology research including DNA isolation, Southern blotting, and PCR (polymerase chain reaction).

BIOL 479 - Forensic Biotechnology (3 credits)
This course is intended to familiarize the students with an understanding of scope and use of biotechnological techniques in forensic sciences, which include criminal investigation, civil cases (paternity testing), and wildlife conservation and management (endangered species), diagnosis of inherited diseases, tissue and organ transplantation, personal and organism identification. This course will be conducted as both lecture and laboratory exercises. The students will learn how to collect, preserve, analyze and interpret biological evidence in forensic contexts: (hair, blood, saliva, semen, tooth pulp, and other tissues). It provides an overview of the techniques and problems related to application of biotechnology in different fields. Major topics will be addressed, such as categories of biological evidence, DNA fingerprinting, blood and serology, hair and fiber analysis, fingerprinting, forensic pathology. Current and historical cases will be used to illustrate examples of good and poor quality investigations and updates to new technologies and breakthroughs will be emphasized.
BIOL 331; BIOL 411 OR BIOL 439, AND BIOL 477 and permission of the course instructor.
Distribution: Advanced. Prerequisite: BIOL 331; BIOL 411 OR BIOL 439, AND BIOL 477 and permission of the course instructor.

BIOL 481 - Insect Systematics (3 credits)
This course will provide an in-depth examination of insect diversity at the order and family level with an emphasis upon identification of adults. Topics will include taxonomy, evolutionary relationships, approaches to classifications, nomenclature, zoogeography, ecology, morphology, and techniques of collection. One or more field trips may be required. Since this course is also offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: BIOL 114 AND BIOL 115.

BIOL 484 - Environmental Studies Field Experience and Internship (3 - 15 credits)
Environmental field experience is gained by on-the-job experience under direct professional supervision. Interns have served with state, local, federal, and overseas agencies. Opportunities continue to expand as present interns open new positions for future interns.
Distribution: Advanced. Prerequisite: Must be at least a second semester junior or senior studying Environmental Studies.

BIOL 485 - IS: (1 - 9 credits)
This experience is taken upon the initiative of a student who seeks to study with a knowledgeable faculty member in order to deepen a specific interest in a particular academic discipline. Independent study is a process through which a student either sharply increases his/her already advanced knowledge of a subject matter or increases his/her appreciation about an academic discipline that is correlative with a student’s advanced knowledge of a subject. The proposed independent study must be submitted to the department for approval. The faculty member supervising the independent study must provide a minimum of five (5) hours of time per credit hour upon request of the student.
Distribution: Advanced.

BIOL 486 - Field Experience & Internship (1 - 12 credits)
This experience is taken upon the initiative of a student who seeks to study with a knowledgeable faculty member in order to deepen a specific interest in a particular academic discipline. Independent study is a process through which a student either sharply increases his/her already advanced knowledge of a subject matter or increases his/her appreciation about an academic discipline that is correlative with a student’s advanced knowledge of a subject. The proposed independent study must be submitted to the department for approval. The faculty member supervising the independent study must provide a minimum of five (5) hours of time per credit hour upon request of the student.
BIOL 491 - Behavioral Ecology Laboratory (1 credit)
Laboratory topics will introduce students to experimental design, data acquisition, and behavioral observation techniques under laboratory and field conditions using a variety of invertebrate and vertebrate organisms and plants. Some Saturday laboratories will be required. Distribution: Advanced. Prerequisite: BIOL 114, BIOL 115 AND BIOL 457 or concurrent.

BIOL 492 - Mechanisms of Disease II (3 credits)
This course is a continuation of Mechanisms of Disease I. The mechanisms of diseases affecting the organ system will be studied; namely, to provide a concise account of important aspects of the pathology of human disease. Distribution: Advanced. Prerequisite: BIOL 424.

BIOL 493 - Biology of Tropical Ecosystems (3 credits)
This course is designed to impart a thorough understanding of tropical ecology and the role played by the tropics in maintaining both our global environment and biodiversity. Lectures are conducted at ESU and during a week-long field experience where excursions into the field provide an opportunity to become familiar with forest structure and organisms that typify the tropical environment. Students will meet for a total of 15 hours prior to and after the field trip.
Distribution: Advanced. Prerequisite: BIOL 114, 115, 200. Students will meet for a total of 15 hours prior to and after the field trip.

BIOL 494 - Research In Biology (3 credits)
This course is an experimental investigation selected by the student in consultation with a member of the faculty and carried out under the guidance of the faculty member. Instruction will be given on how to design, pursue, analyze, and report on independent research. This course seeks to enrich undergraduate learning, by promoting opportunities for students to experience firsthand the research experience.
Distribution: Advanced. Prerequisite: At least junior standing and permission of instructor.

BIOL 495 - Seminar I (1 credit)
This course is designed to lead senior students into current scientific literature. Students are assigned independent problems as well as readings in their areas and are expected to analyze the literature and orally report their findings to the class. Every attempt will be made to secure the services of experts in their field to present learned papers. This course is required of all Biology majors in the arts and sciences in their senior year and secondary education majors who are student teaching in the spring semester. Prerequisites: Senior standing and completion of a Writing level II course.
Distribution: Advanced □ Information Literacy/Technology (I) □ Level III Writing (W3).

BIOL 496 - Seminar II (1 credit)
This course is a continuation of Seminar I. It is required of all Biology majors in the arts and sciences in the second semester of their senior year and of secondary education majors who are student teaching in the fall semester.
Distribution: Advanced.

BIOL 497 - Environmental Studies Seminar (1 credit)
Seminar participants analyze selected environmental topics. Both individual and group efforts are encouraged.
Distribution: Advanced. Prerequisite: Environmental Studies Majors Only; permission of instructor.

BIOL 498 - Research in Marine Science (3 credits)
This course is an individualized investigation of a research area in Marine Science. The specific research problem is formulated by the student and carried out under the direction of the professor. Distribution: Advanced. Prerequisite: 12 credits in Marine and Aquatic Science and senior standing.

BIOL 499 - Student Teaching Internships (1 credit)
This course is designed to provide the student with an opportunity to work with a faculty member in the student’s primary Arts and Sciences discipline during the student teaching experience. The course will enhance the student’s ability to understand and maximize the relationship between disciplinary subject matter and pedagogy.
Distribution: Advanced. Prerequisite: Qualification to Student Teach. Concurrent registration in PSED 430 or 431 required.

BIOM - Marine Science Courses
Courses taught with a BIOM rubric are those courses normally taught at the Marine Science Consortium field station at Wallops Island, Va. These BIOM courses are taught through the Department of Biological Sciences and, unless specified otherwise in the course description, BIOM courses will count as Biological Sciences courses toward a major within the Department.

In addition to the courses listed, a number of courses are offered by the Marine Science Consortium at Wallops Island, Va., which a student may take and apply toward the requirements in biology. Interested students should contact Dr. James C. Hunt for further information.

BIOM 401 - Biological Oceanography (3 credits)
The interactions between biological communities and the oceanic environment are studied with emphasis on the distributions of coastal plankton, fishes, and benthic invertebrates. This course is periodically offered at the Marine Science Consortium field station at Wallops Island, Va., only during a summer session. Since this course is also offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: BIOL 114 & BIOL 115.

BIOM 402 - Marine Evolutionary Ecology (3 credits)
This course will study the ecological mechanisms underlying evolutionary processes. It is broad in scope and requires that students synthesize both evolutionary and ecological concepts and theory into an understanding of how organisms adapt to their environment. This course is periodically offered at the Marine Science Consortium field station at Wallops Island, Va., only during a summer session. Since this course is also offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Courses in genetics and ecology.

BIOM 403 - Comparative Physiology of Marine Organisms (3 credits)
This course is an introduction to the physiology of marine organisms utilizing a comparative approach. A wide range of marine organisms will be used to demonstrate the variety of mechanisms and strategies that allow them to physiologically adapt to their specific environments. This course is periodically offered at the Marine Science Consortium field station in Wallops Island, Va., only during the summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Two courses in Biology and Introductory Chemistry.

BIOM 405 - Scanning Electron Microscopy: Marine Application (3 credits)
This course trains the student in the use of a scanning electron microscope (SEM). Principles of operation and the preparation of marine geological and biological specimens are covered. Applications of the technique are performed on selected marine organisms and/or marine rocks and sediments. In addition, an energy dispersive X-ray spectrometer (EDX) is used to supplement the SEM analysis.
Distribution: Advanced. Prerequisite: One year of biology that includes one marine course.

BIOM 458 - Coastal Environmental Oceanography (3 credits)
This course examines the interaction of biological, chemical, physical, geological, and ecological ocean processes as applied to coastal environments. Emphasis is placed on environmental management issues of the coastal zone. Topics include water quality analysis, barrier island geology and ecology, estuarine pollution, beach defense and biological implications in areas of coastal up welling and coastal fronts. Specific cases in coastal pollution will be examined from coastal environments around the U.S.
Distribution: Advanced. Prerequisite: Two semesters of introductory biology and Introduction to Oceanography.

BIOM 459 - Advanced Methods in Coastal Ecology (3 credits)
This course covers the wide array of methods of data collection, study designs, and analyses used in ecology. Emphasis is placed on understanding the strengths and weaknesses of different ecological methods and analyses in the study of coastal environments. Lecture, fieldwork, and laboratory are integrated, and students gain practical computer experience by analyzing ecology data from the field using software that performs analyses introduced in lecture.
Distribution: Advanced. Prerequisite: Two semesters of introductory biology, college algebra (or equivalent) and an ecology course. Recommended: Statistics.

BIOM 460 - Marine Ecology (3 credits)
This course is a study of the physical constants of the marine environment as it interrelates with marine organisms. The ecological interactions of the organisms with each other will be emphasized. The effect of pollution and excessive exploitation on marine organisms will be discussed. Since this course is also offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 461 - Marine Botany (3 credits)
The taxonomy, physiology, ecology, and economic importance of marine and coastal plants, as exemplified by those found in the Lewes, Delaware, area, will be considered. Laboratory techniques will include collecting, preserving, identifying, and analyzing plants and plant materials; appropriate instrumentation will be used. Emphasis will be given to both in-the-field studies and laboratory analyses. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 462 - Marine Invertebrates (3 credits)
The course is a study of the life history, habits, origin, development, physiology, anatomy, and taxonomy of the main phyla of invertebrates. A phylogenetic sequence is followed to show interrelationships among the phyla. Special emphasis is given to the Atlantic marine invertebrates. Laboratory and fieldwork deal with collection, preservation, and identification of local species. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 464 - Developmental Biology of Marine Organisms (3 credits)
This course deals with the principles of development and differentiation in marine organisms at the molecular and supramolecular levels of organization. The laboratory will include both descriptive and experimental embryology. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 465 - Management of Wetland Wildlife (3 credits)
This course deals with the ecology and management of wetland wildlife with emphasis on the management of wetlands as ecological systems. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 466 - Marine Ichthyology (3 credits)
This course is a study of the internal and external structure of fishes, their systematic and ecological relationships, and their distribution in time and space. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 467 - Marine Pollution Research Cruise (3 credits)
Investigations are conducted before, during, and after a pollution episode; the fate and behavior (dispersion and degradation) of the pollutants are followed. Bioassays and other toxicity studies will also be conducted. Procedures, techniques, and equipment will be prepared and standardized prior to the cruise and a final project report prepared and submitted for the course grade. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 468 - Marine Ornithology (3 credits)
Ornithology at the Wallops Island station introduces the student to the avian fauna of the seacoast and at the same time enables comparison with inland species to be found near the laboratory. In addition to the fieldwork providing visual and vocal identification, lecture material will include information on distribution behavior physiology and anatomy. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made.
Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.
BIOM 469 - Field Methods in Oceanography (3 credits)
This course provides students with a general background for a working knowledge of investigative techniques that are used to study the physical, biological, geological, and chemical parameters of the marine environment. Students learn to appreciate the scope of field studies through active participation in group projects and individual research efforts; those projects include planning and execution, analysis and interpretation of data, and presentation (written and verbal) of the results. This course is periodically offered at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 470 - Marine Biology (3 credits)
This course is a study of plant and animal life in the marine environment. Emphasis will be placed upon physical and chemical factors that affect the marine environment and the ways in which various organisms have become adapted for exploiting marine resources. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 472 - Coral Reef Ecology (3 credits)
This course investigates coral reef structure, formation, types and the relationship of reef organisms to their environment. Emphasis will be given to species diversity/identification, symbiosis, and effects of temperature, salinity, light, nutrient concentration, current predation, and competition on the abundance and distribution on coral reef organisms. This course will be offered at the Marine Science Consortium at Wallops Island, Va., with a portion taught in Honduras. Since this course is also offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: One year of biology (with laboratories).

BIOM 473 - Marine Mammals of the Atlantic (3 credits)
The distribution, population size, physiology, evolution, adaptation, and ecological relationships of marine mammals will be studied. Laboratory and fieldwork will include an off-campus field trip to facilities studying marine mammals (Baltimore Aquarium and Woods Hole). This course will be offered at the Marine Science Consortium at Wallops Island, Va., during a summer session. Since this course is also offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: One year of biology (with laboratories).

BIOM 474 - Introduction to Oceanography (3 credits)
This course is designed to familiarize the student with the marine environment and current developments in the marine sciences. Topics for study will include the physical parameters of the ocean, ocean basin topography, life in the sea, and resources in the ocean. This course is periodically offered at the Marine Science field station in Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 475 - Behavior of Marine Organisms (3 credits)
Discussion and observations are conducted on the influences of external and internal factors on the regulation and coastal behavior of organisms living in the marine coastal environment. This course is periodically offered during the summer sessions at the Marine Science field station at Wallops Island, Va. Since this course also is offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 476 - Marine Microbiology (3 credits)
This course provides a survey of methods and concepts of marine microbiology. Attention will be given to technical aspects of sample collection, microbial ecology of the marine environment, enrichment culturing, methods of enumeration and identification, with emphasis on marine bacteria. This course is periodically offered during summer sessions at the Marine Science field station at Wallops Island, Va. Since this course also is offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 477 - Marine Biology (3 credits)
The basic structures of marine chordates will be studied by dissection in order to trace the important trends (and their functional significance) in the evolution of these structures within the various groups of marine chordates. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 478 - Ecology of Marine Plankton (3 credits)
This course is a study of the phytoplankton and zooplankton in marine and brackish environments. Qualitative and quantitative comparisons will be made between the planktonic population of various types of habitats in relation to primary and secondary productivity. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 480 - Oceanography (3 credits)
This course is an introduction to the physical, chemical, biological, and geological processes and interactions in the oceans. Topics include history of oceanography, charts and navigation, the physical and chemical properties of seawater, instrumentation and at-sea measurements, marine geology, beach processes, theory of continental drift, air-sea interactions, waves and ocean circulation, tides, plant and animal life in the seas, and marine ecology. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 482 - Field Studies in Oceanography (3 credits)
This is a three week session involving detailed planning and preparation for an oceanographic research cruise of approximately one week duration, the actual research cruise on board the R. V. "Annandale," and the data processing and final reporting of results. Demonstration of various types of shipboard sampling techniques and instrumentation will be given. Each cruise will deal with different aspects of marine science, i.e., 1) general oceanography, 2) marine biology, 3) marine geology, and 4) marine pollution and waste disposal. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a
differentiation of requirements will be made. Prerequisites: Any two courses in biology with the exception of laboratory courses only. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 483 - Wetland Ecology (3 credits)
This structure and function of coastal wetland ecosystems are emphasized. The ecological impact of humans on these wetlands is interrelated with management strategies. Field exercises are stressed. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 487 - Tropical Invertebrates (3 credits)
Tropical Invertebrates emphasizes the systemsatics and ecology of tropical communities. A variety of collection and observation methods are used to sample tropical inshore and reef areas. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 488 - Coastal Vegetation (3 credits)
The vegetation under the marine influence is identified, and the factors limiting and controlling the distribution of this vegetation is determined. This course is periodically offered during the summer at the Marine Science field station at Wallops Island, Va. Since this course also is offered for graduate credit, a differentiation of requirements is made. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 489 - Physiology of Marine Invertebrates (3 credits)
Mechanisms and regulation of organ function in invertebrates with emphasis on homeostasis will be studied using live specimens from the marine environment. The unique adaptations of the marine invertebrates will be compared with general physiological principles. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session. Since this course also is offered for graduate credit, a differentiation of requirements is made. Distribution: Advanced. Prerequisite: Any two courses in biology with the exception of laboratory courses only.

BIOM 490 - Marine Aquaculture (3 credits)
This course will include the theory and the practice of raising organisms for food and for the aquarium trade. Techniques of raising economically important organisms from the egg stage to marketable size and their food supplies will be studied. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during summer sessions. Distribution: Advanced. Prerequisite: Any three courses in biology with the exception of laboratory courses only.

Biotechnology and Chemical Biotechnology

The Faculty of Sciences
See Biological Sciences for Biotechnology
See Chemistry and Biochemistry for Chemical Biotechnology

Business Management

College of Business and Management

The Faculty of Business Management
Department of Business Management

The Department of Business Management offers courses that will introduce you to a variety of careers in the field of business. The Bachelor of Science degrees in Business Management, Accounting, Finance and Marketing offer the benefits of small class sizes, modern teaching classrooms, and personal advising by faculty. East Stroudsburg University has offered the Bachelor of Science degree in Business Management since 1986, with the additions of the Bachelor of Science in Accounting, the Bachelor of Science in Marketing, and the Bachelor of Science in Finance in recent years. The department maintains full-time academically-qualified faculty and part-time professionally-qualified faculty to teach in the program. There are more than 600 Business Management majors in the department. The department graduates almost 200 students per year who go on to successful professional careers in business.

The degree program in Business Management is designed to offer professional training at the baccalaureate level that can lead to a career in business or further graduate education.

Career Settings
- Small, medium, large Private Companies
- Local, State and Federal Government
- Nonprofit Organizations
- Accounting and Auditing Firms
- Consulting Firms
- Marketing, Advertising, Retailing Firms
- Financial firms, banks, insurance companies

Student Organizations

Accounting Society
The East Stroudsburg University Accounting Society provides students with an outstanding opportunity to share and further their knowledge of careers in accounting.

American Marketing Association
This student chapter provides students with information about careers and opportunities in marketing as well as resources available to marketing professionals.

Investment Club
The East Stroudsburg University Investment Club provides students with an outstanding opportunity to share and further knowledge of finance and investment ideas. Club members develop expertise in making investment decisions by analyzing the economy, industries, and companies, and managing a diversified portfolio of securities.

Society of Human Resource Management (SHRM)
The SHRM student chapter provides students with the opportunity to network with local HR professionals and allows students to gain insights into the the knowledge and competencies required by HR professionals.

Internships
Pursuing an internship while you are in college provides you with a great opportunity to gain valuable business work experience in your area of specialization. Many students receive job offers from their internship experience. Internships can be paid or unpaid and are available for credit or non-credit. Internships are not a requirement for graduating with a
Academic Programs and Courses

Bachelor of Science in Business Management degree, but are highly recommended.

If there is a specific area where you would like to intern, a Career Services adviser will work with you to find a match. If you wish to take an internship for credit, all you need to do is set up an internship agreement with a faculty member.

**Accounting B.S.**

**About the Program**
The B.S. in Accounting provides students with the knowledge, training, and skills development they need to pursue successful careers in accounting.
The program is designed to prepare students for a variety of career paths including:
- Certified Public Accountant (CPA)
- Controller
- Chief Financial Officer (CFO)
- Tax Accountant
- Government Accountants
- Budget Director
- Forensic Accountant
- Fraud Investigator

The B.S. in Accounting will also provide accounting students with the necessary preparation for eligibility to take the CPA examination.
Following national trends, the accounting program will emphasize critical analysis, practical problem solving, effective communication, and the appropriate use of technology.

**PROGRAM FEATURES**

| Co-requisite Directed General Education courses: |
| CMST 111 | GN: Introduction to Communication | 3 |
| CPSC 103 | GN: Introduction to Information Technology | 3 |
| ECON 112 | GN: Principles of Microeconomics | 3 |
| ENGL 205 | Workplace Writing | 3 |
| MATH 110 | GN: General Statistics | 3 |
| PSY 100 | GN: General Psychology | 3 |

**Additional requirement:**
- 2.5 GPA required in all courses

**Required courses:**
- MGT 200 Principles of Management | 3
- MGT 204 Principles of Marketing | 3
- MGT 211 Financial Accounting Fundamentals | 3
- MGT 212 Managerial and Cost Accounting Fundamentals | 3
- MGT 225 Business Law I | 3
- MGT 250 Quantitative Business Analysis | 3
- MGT 301 Financial Management I | 3
- MGT 331 Intermediate Financial Accounting I | 3
- MGT 332 Intermediate Financial Accounting II | 3
- MGT 333 Intermediate Managerial & Cost Accounting | 3
- MGT 335 Tax Accounting I | 3
- MGT 336 Tax Accounting II | 3
- MGT 352 Human Resource Management | 3
- MGT 355 Business Ethics | 3
- MGT 431 External/Financial Auditing | 3
- MGT 432 Intermediate Financial Accounting | 3
- MGT 452 Organizational Strategy | 3

**and one course from the following:**
- MGT 430 Internal/Operational Auditing | 3
- MGT 434 Financial Statement Analysis | 3
- MGT 435 Advanced Accounting | 3
- MGT 438 Forensic Accounting | 3

Subtotal: 3

**Co-requisite Cognate courses:**
- MATH 130 GN: Applied Algebraic Methods | 3
- ECON 111 GN: Principles of Macroeconomics | 3

Subtotal: 6

**4 YEAR CURRICULUM PROGRAM PLAN FOR ACCOUNTING**
Subject to change by the University without notice.

**Freshman Year Fall**
- PSY 100 GN: General Psychology | 3
- CMST 111 GN: Introduction to Communication | 3
- MATH 130 GN: Applied Algebraic Methods | 3
- OR XXXX | 3
- ECON 111 GN: Principles of Macroeconomics | 3
- FYE 100 University Studies | 3

Subtotal: 15

**Spring**
- HPLW 105 Health Promotion and Lifetime Wellness | 3
- ECON 112 GN: Principles of Microeconomics | 3
- ENGL 103 English Composition | 3
- MATH 110 GN: General Statistics | 3

Subtotal: 15

**Sophomore Year Fall**
- MGT 211 Financial Accounting Fundamentals | 3
- MGT 225 Business Law I | 3
- ENGL 205 Workplace Writing | 3
- GenEd ____ General Education Course | 3

Subtotal: 15

**Spring**
- MGT 212 Managerial and Cost Accounting Fundamentals | 3
- MGT 250 Quantitative Business Analysis | 3
- GenEd ____ General Education Course | 3

Subtotal: 15

**Junior Year Fall**
- MGT 204 Principles of Marketing | 3
- MGT 331 Intermediate Financial Accounting I | 3
- MGT 333 Intermediate Managerial & Cost Accounting | 3
- GenEd ____ General Education Course | 3

Subtotal: 15
Effectively and efficiently managing people, methods, materials, equipment, and money to meet customer needs

Are you interested in ...

• For more information, contact the department by calling 570-422-3251 or visit www.esu.edu/cbm.

Business Management B.S.

“What Can I Do with a Major in Business Management?”

As companies strive to compete in a global market, they look for employees who are knowledgeable in current business practices and who can effectively evaluate the current competitive environment and meet customer needs. Businesses want employees with strong communication skills who are good at analyzing and solving problems and thinking critically.

A Business Management degree can provide those skills, and earning this degree can increase your job opportunities and salary potential. The study of business management provides a broad education in business management practices and can be pursued on its own or combined with a more specialized area of study such as Entrepreneurship or Supply Chain Management.

About the Program

The purpose of the Business Management program is to provide students with the knowledge, training, and skills development they will need to pursue a successful career in business management. As a Business Management major, you choose the area of specialization that you would like to pursue. The areas of concentration are: General Management, Entrepreneurship and Supply Chain Management. When you complete the course of study, you will receive a Bachelor of Science in Business Management.

If your goal is to become a professional manager who is not only a trained decision-maker, but also understands the complex relationships that exist between the manager, the organization, and society at large, then please contact the department for more information.

Are you interested in ...

• Individual and organizational success
• Leadership
• Effective communication
• Critical thinking and analyzing and solving problems
• Team work

Choose Business Management at ESU

• Small class size
• Modern teaching classrooms
• Qualified, experienced faculty
• Personal advising by faculty
• Three concentrations: General Management, Entrepreneurship, and Supply Chain Management

Is Business Management a career path for me?

Career Potential

• Operations and Manufacturing Manager
• Small Business Manager, Entrepreneur
• General or Human Resource Manager
• Business Analyst

PROGRAM FEATURES

45 credits

Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 200</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 204</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MGT 211</td>
<td>Financial Accounting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MGT 212</td>
<td>Managerial and Cost Accounting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MGT 225</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>MGT 250</td>
<td>Quantitative Business Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MGT 301</td>
<td>Financial Management I</td>
<td>3</td>
</tr>
<tr>
<td>MGT 352</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 355</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MGT 452</td>
<td>Organizational Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

Concentration courses:

Fifteen credits from one of the following areas:

Management:

Select any five of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 333</td>
<td>Intermediate Manageral &amp; Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MGT 351</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 353</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 354</td>
<td>Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 359</td>
<td>Labor History &amp; Industrial Relations</td>
<td>3</td>
</tr>
<tr>
<td>MGT 362</td>
<td>Globalization &amp; International Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 453</td>
<td>Organizational Leadership</td>
<td>3</td>
</tr>
<tr>
<td>MGT 454</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ECON 332</td>
<td>Forecasting Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

Entrepreneurship:

All of the following are required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 353</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 363</td>
<td>Entrepreneurship &amp; New Venture Creation</td>
<td>3</td>
</tr>
<tr>
<td>MGT 370</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MGT 375</td>
<td>Innovation &amp; New Product Development</td>
<td>3</td>
</tr>
<tr>
<td>MGT 453</td>
<td>Organizational Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

Supply Chain Management:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 323</td>
<td>Organizational Theory</td>
<td>3</td>
</tr>
<tr>
<td>MGT 350</td>
<td>Quantitative Business Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>MGT 351</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 423</td>
<td>Total Quality Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 332</td>
<td>Intermediate Financial Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>MGT 352</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 355</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MGT 431</td>
<td>External/Financial Auditing</td>
<td>3</td>
</tr>
<tr>
<td>GenEd _____</td>
<td>General Education Course</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Senior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 335</td>
<td>Tax Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>MGT 432</td>
<td>Intermediate Financial Accounting 3</td>
<td>3</td>
</tr>
<tr>
<td>XXXX _____</td>
<td>Elective (300 Level)</td>
<td>3</td>
</tr>
<tr>
<td>XXXX _____</td>
<td>Elective (300 Level)</td>
<td>3</td>
</tr>
<tr>
<td>XXXX _____</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 336</td>
<td>Tax Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>MGT 438</td>
<td>Forensic Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MGT 452</td>
<td>Organizational Strategy</td>
<td>3</td>
</tr>
<tr>
<td>XXXX _____</td>
<td>Elective (300 Level)</td>
<td>3</td>
</tr>
<tr>
<td>XXXX _____</td>
<td>Elective (300 Level)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15
Academic Programs and Courses

MGT 455 Supply Chain Management 3

Co-requisite courses:
ECON 111 GN: Principles of Macroeconomics 3
ECON 112 GN: Principles of Microeconomics 3
MATH 110 GN: General Statistics 3
MATH 130 GN: Applied Algebraic Methods 3
ENGL 205 Workplace Writing 3
CMST 111 GN: Introduction to Communication 3
CPSC 100 GN: Personal Computers and Their Uses 3
PSY 100 GN: General Psychology 3

MATH 110, MATH 130 or advisor-approved substitutes

Additional requirements:
• Majors must complete a minimum of five management (MGT) courses at East Stroudsburg University.
• Majors must attain a major GPA of 2.5 or higher in all management (MGT) courses taken at East Stroudsburg University.
• Incoming students are admitted as Pre-Business Management majors. In order to be admitted to the Business Management degree program and be permitted to take upper level (300/400) management courses, pre-business management students must satisfy the following entrance-to-major requirements:
  • Complete all eight required co-requisite courses
  • Complete the following entrance-to-major lower-level business courses: MGT 211, 212, 225, 250
  • Complete a minimum of 45 total semester hours with a cumulative GPA of 2.25.
• Transfer students (both from other colleges and other majors) must meet the above requirements. If they do not, they are admitted into the pre-business management program.
• Please see the University requirements in the Undergraduate Catalog.

4 YEAR CURRICULUM PROGRAM PLAN FOR BUSINESS MANAGEMENT

Subject to change by the University without notice.

Freshman Year Fall
ECON 111 GN: Principles of Macroeconomics 3
CMST 111 GN: Introduction to Communication 3
FYE 100 University Studies 3
MATH 110 GN: General Statistics 3
OR
MATH 130 GN: Applied Algebraic Methods 3
CPSC 100 GN: Personal Computers and Their Uses 3

Subtotal: 15

Spring
ENGL 103 English Composition 3
ECON 112 GN: Principles of Microeconomics 3
PSY 100 GN: General Psychology 3
HPLW 105 Health Promotion and Lifetime Wellness 3
MATH 110 GN: General Statistics 3
OR
MATH 130 GN: Applied Algebraic Methods 3

Subtotal: 15

Sophomore Year Fall
MGT 211 Financial Accounting Fundamentals 3

Subtotal: 15

Junior Year Fall
MGT 212 Managerial and Cost Accounting Fundamentals 3
MGT 250 Quantitative Business Analysis 3
ENGL 205 Workplace Writing 3
XXX ______ Arts/Letters General Education course 3
XXX ______ Social Science General Education course 3

Subtotal: 15

Spring
MGT 301 Financial Management I 3
MGT 352 Human Resource Management 3
MGT 355 Business Ethics 3
MGT ______ Concentration Course 1 3
MGT ______ 300-400 Level elective 3

Subtotal: 15

Senior Year Fall
MGT ______ Concentration Course 2 3
MGT ______ Concentration Course 3 3
MGT ______ 300-400 Level elective 3
MGT ______ 300-400 Level elective 3
XXX ______ Elective 3
XXX ______ Elective 3

Subtotal: 15

For more information, contact the department by calling 570-422-3251 or visit www.esu.edu/cbm.

Finance B.S.

College of Business and Management
The Faculty of Business Management
Department of Business Management
Gessner Science Hall
570-422-3251

The Finance program is housed within the Department of Business Management.

What can I do with a major in Finance?
The B.S. in Finance is designed to prepare students for professional careers as:
Financial Advisors  
Investment Analysts  
Portfolio Managers  
Financial Advisors  
Bank Officers, and  
Finance Managers  
The Finance B.S. will provide students with the essential knowledge in areas of financial management, corporate finance, investment management, financial institutions management, asset pricing, derivatives in risk management, international financial markets, multinational corporate finance, and financial data analytics.  
The program will emphasize spreadsheet and statistical software skills, decision making skills, analysis, evaluation and effective data visualization.  

### PROGRAM FEATURES  
60 credits - Includes required major courses and co-requisites.  
**Required major courses:**  
- MGT 200 Principles of Management 3  
- MGT 201 Decision Science I 3  
- MGT 204 Principles of Marketing 3  
- MGT 211 Financial Accounting Fundamentals 3  
- MGT 212 Managerial and Cost Accounting Fundamentals 3  
- MGT 225 Business Law I 3  
- MGT 250 Quantitative Business Analysis 3  
- MGT 301 Financial Management I 3  
- MGT 355 Business Ethics 3  
- MGT 452 Organizational Strategy 3  
- MGT 486 Internship 3  
**Subtotal:** 33  
**Choose six courses from the following:**  
18 credits  
- MGT 307 Financial Management II 3  
- MGT 315 Entrepreneurial Finance 3  
- MGT 319 International Financial Management 3  
- MGT 331 Intermediate Financial Accounting I 3  
- MGT 340 Investment Management 3  
- MGT 342 Investment Analysis 3  
- MGT 345 Financial Institutions Management 3  
- MGT 350 Quantitative Business Analysis II 3  
- MGT 434 Financial Statement Analysis 3  
- ECON 411 Public Finance 3  
**Subtotal:** 18  
**Required co-requisite courses:**  
- ECON 112 GN: Principles of Microeconomics 3  
- MATH 130 GN: Applied Algebraic Methods 3  
- ENGL 205 Workplace Writing 3  
**Subtotal:** 9  
**Required directed general education courses:**  
- ECON 111 GN: Principles of Macroeconomics 3  
- MATH 100 GN: General Statistics 3  
- CMST 111 GN: Introduction to Communication 3  
- CPSC 103 GN: Introduction to Information Technology 3  
- PSY 100 GN: General Psychology 3  
**Subtotal:** 33  
**Additiona...
### 4 YEAR CURRICULUM PROGRAM PLAN FOR MARKETING

Subject to change by the University without notice.

#### Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>MATH 090</td>
<td>Intermediate Algebra</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>MATH 130</td>
<td>GN: Applied Algebraic Methods</td>
</tr>
<tr>
<td>ECON 111</td>
<td>GN: Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
<tr>
<td>ECON 112</td>
<td>GN: Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Course</td>
<td>3</td>
</tr>
<tr>
<td>CPSC 103</td>
<td>GN: Introduction to Information Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

#### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 211</td>
<td>Financial Accounting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MGT 225</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>MGT 201</td>
<td>Decision Science I</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Course</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Course</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 212</td>
<td>Managerial and Cost Accounting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MGT 200</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 250</td>
<td>Quantitative Business Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Course</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Course</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

#### Junior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 301</td>
<td>Financial Management I</td>
<td>3</td>
</tr>
<tr>
<td>MGT 204</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 205</td>
<td>Workplace Writing</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Course</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Course</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 352</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 355</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MGT 354</td>
<td>Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGT 325</td>
<td>Logistics Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 370</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Course</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

#### Senior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 371</td>
<td>Advertising Management</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGT 472</td>
<td>Sales Management</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Business Analytics Minor

**PROGRAM FEATURES:**

18 credits

**Required Courses:**

- MGT 101  Introduction to Business Analytics | 3
- MGT 300  Advanced Business Analytics using SAS | 3
- MGT 320  Machine Learning for Business | 3
- MGT 400  Applied Business Statistics using SAS | 3

Subtotal: 12

**Choose 3 credits from the following:**

- MGT 250  Quantitative Business Analysis | 3
- MGT 350  Quantitative Business Analysis II | 3
- HRTM 451  Hotel Law | 3
- SMGT 346  Computer Application in Sport Management | 3
- DMET 265  Instructional Computing Methods | 3
- MATH 425  Introduction to Mathematical Modeling | 3
- MATH 416  Linear Statistical Modeling with SAS | 3

Subtotal: 3

**Co-requisite:**

- CPSC 102  GN: Intro to Information Management with Spreadsheets | 3

Subtotal: 3

**Additional Requirement:**

Completion of Massive Online Open Course (MOOC) portfolio.

**Entrance Requirements:**

2.5 overall GPA

**Business Management Minor**

**PROGRAM FEATURES:**

18 credits

**Required courses:**

- MGT 200  Principles of Management | 3
- MGT 204  Principles of Marketing | 3
- MGT 211  Financial Accounting Fundamentals | 3
- XXX  Three elective courses | 9

at least two of the three electives must be 300-400 level.
Economics and Management Interdisciplinary Minor

PROGRAM FEATURES

21 credits

Required courses:

Four Economics courses including:
- ECON 111: GN: Principles of Macroeconomics 3
- ECON 112: GN: Principles of Microeconomics 3
- ECON ___: Two additional ECON courses 6

Three Management courses including:
- MGT 200: Principles of Management 3
- MGT ___: Any two additional MGT courses 6

A minimum of three courses (9 credits) of the minor's total of seven courses must be 300 or 400 level.

At least four of the seven required courses for the minor must be completed at ESU. This minor is NOT available to Economics or Management majors.

Business Management Faculty

Professor:
Tribhuvan Puri (tpuri@esu.edu)

Associate Professors:
David Daniel, Chair (ddaniel3@esu.edu)
Douglas Friedman, (dfriedman@esu.edu)
Douglas Nay (dnay@esu.edu)
Inalegwu Ode-Ichakpa (iodeichakp@esu.edu)
Daisy Wang (dwang2@esu.edu)
Yue Xi (yxi@esu.edu)
Weichu Xu (wxu1@esu.edu)

Assistant Professors:
Carol Dimopoulous
Allen Lim (alim1@esu.edu)
Robert Thomas (rthomas31@esu.edu)
Xi Yang (xyang1@esu.edu)

MGT - Management Courses

MGT 200 - Principles of Management (3 credits)
This course is a survey of basic management theory and practice. The basic management processes of planning, organizing, leading, and controlling are presented. Systems theory is used to understand the challenges of managing organizations in environments that are subject to rapid and unpredictable change. Aptitudes and skills essential to managerial effectiveness are also considered. Concepts and skills are applied in case studies of real and fictitious organizations.

MGT 201 - Decision Science I (3 credits)
This course introduces students to the ways in which decision tools are used in business, economics, and management. Emphasis is placed on application areas and analyzing results. Numerious examples of practical decision-making techniques in business and economic models will be presented.

Distribution: Advanced. Prerequisite: MATH 120 or MATH 130.

MGT 204 - Principles of Marketing (3 credits)
Marketing is studied as the management process of identifying and satisfying individual and organizational product wants and needs. The traditional marketing problems of product planning, pricing, promotion and distribution are considered. Problems and cases are utilized to illustrate and reinforce basic concepts.

Prerequisite: MGT200.

MGT 211 - Financial Accounting Fundamentals (3 credits)
Financial accounting provides information about a firm’s economic performance (revenues, expenses, income, cash flow) and condition (assets, liabilities, equity) to external constituencies such as creditors and investors. The fundamentals of how to measure, communicate, and utilize financial accounting information are covered.

MGT 212 - Managerial and Cost Accounting Fundamentals (3 credits)
Managerial and Cost accounting provide decision-relevant information to internal managers of a firm which is useful in planning and controlling operations. Basic techniques and issues of cost measurement, cost behavior, budgeting, quality conformity, segment analysis, and information relevancy are covered in the context of evaluating, and improving the firm’s efficiency and effectiveness.

Distribution: Advanced. Prerequisite: MGT211.

MGT 225 - Business Law I (3 credits)
An introductory, yet comprehensive, survey of the fundamental topics in business law is presented to provide an understanding of the law and the ways in which it and the courts affect business activity.

MGT 250 - Quantitative Business Analysis (3 credits)
This is an introduction to business data analysis and applications. Students will be exposed to economic data sources and techniques used for managerial decision-making. Managerial applications will include market research, sampling theory and quality control.

Distribution: Advanced. Prerequisite: MGT201 OR MATH110.

MGT 263 - Foundations of Entrepreneurship (3 credits)
This foundational course in entrepreneurship is designed for business and non-business majors interested in learning and understanding the principles, processes, and practices of entrepreneurship. Students gain fundamental knowledge about the attributes of successful entrepreneurs, identify critical entrepreneurial roles and functions, and explore opportunities for pursuing an entrepreneurial lifestyle and career identity.

Emphasis is placed on the role of creativity and innovation as fundamental building blocks to entrepreneurship.

Distribution: ADVD. Prerequisite: MGT 200, MATH 110.

MGT 264 - Managing a Marijuana-based Business (3 credits)
The primary focus in this course is the process of starting and managing a medical marijuana business. Topics include introduction of this new industry, preparation of the documents required by the state government, new strategy adoption models, and the market research necessary for progressively developing and continuously improving service.

MGT 301 - Financial Management I (3 credits)
This course is a survey of financial management concepts and practices including financial statement analysis, cash flow analysis, the impact of federal tax rules, time value of money, interest rates, debt and equity financing, financial risks and the cost of capital.

Distribution: Advanced. Prerequisite: MGT 211.

MGT 307 - Financial Management II (3 credits)
This course completes the basic survey of financial management begun in MGT 301 (Financial Management I). The primary topics are cash flow and risk analysis for long-term (capital) investing decisions, capital structure, dividend policy, working capital, and an introduction to the advanced topics of planning / forecasting, derivatives, multinational operations, preferred stock, leasing, warrants, convertible securities, and mergers / acquisitions.

Distribution: Advanced. Prerequisite: MGT200, MGT211 AND MGT301.

MGT 315 - Entrepreneurial Finance (3 credits)
This course is a survey of the analytical perspectives and tools required by entrepreneurs for successful financial management. It presents a life-cycle
approach to successful financial management in the startup, survival, rapid-growth, and maturity stages. Techniques of funding acquisition, cash planning and management venture diagnosis, performance appraisal, valuation, turnaround, and harvesting are presented. Distribution: Advanced. Prerequisite: MGT200 AND MGT201 OR MATH130.

MGT 366 - Tax Accounting II (3 credits)
This course presents a comprehensive examination of the federal income tax regulations that apply to individuals. Topics include: tax research, planning, compliance, deductions, property sales, non-taxable exchanges, shelters, credits, and computations. Distribution: Advanced. Prerequisite: MGT200 AND MGT211 AND MGT212.

MGT 336 - Tax Accounting I (3 credits)
This course presents a comprehensive examination of the federal income tax regulations that apply to individuals. Topics include: tax research, planning, compliance, deductions, property sales, non-taxable exchanges, shelters, credits, and computations. Distribution: Advanced. Prerequisite: MGT211 AND MGT212 AND MGT335.

MGT 340 - Investment Management (3 credits)
This course will focus on the determinants and components of investment strategy including risk and return, the operations of securities markets, characteristics of alternative investments including stocks, bonds, and mutual funds, valuation techniques, and options. Distribution: Advanced. Prerequisite: MGT301.

MGT 345 - Financial Institutions Management (3 credits)
This course provides an overview of the structure and operation of financial institutions including commercial banks and financial services companies. Students will learn how to measure risk and return, analyze profitability and liquidity, and evaluate short-run versus long-run decisions common to financial institutions. Class discussions involve current issues in financial institutions. Distribution: A DVD. Prerequisite: MGT 301 Financial Management I.

MGT 331 - Intermediate Financial Accounting I (3 credits)
In-depth study of the Financial Accounting Standards Board body of principles of accounting recognition and measurement used to prepare financial statements for external reporting. Topics include: FASB conceptual framework, financial statement structure and content, time-value of money, current assets, non-current assets, and current liabilities. Distribution: Advanced. Prerequisite: MGT211 AND MGT212.

MGT 332 - Intermediate Financial Accounting II (3 credits)
A continuation of the in-depth study of the Financial Accounting Standards Board body of principles of recognition and measurement for external reporting begun in EMGT 331. Topics include: long-term liabilities, stockholders’ equity, earnings-per-share, investments, income taxes, pensions, leases, cash flows, financial statement analysis, and disclosure requirements. Distribution: Advanced. Prerequisite: MGT211 AND MGT212 AND MGT331.

MGT 333 - Intermediate Managerial & Cost Accounting (3 credits)
An in-depth study of the analytical perspectives and tools of managerial/cost accounting with the objective of equipping the accountant to assist managers to improve organizational efficiency and effectiveness. Topics include: cost accounting systems, tools for planning and control, cost information for decision making, cost allocation, quality and JIT, capital budgeting and management control systems. Distribution: Advanced. Prerequisite: MGT211 AND MGT212 AND MGT236.

MGT 335 - Tax Accounting I (3 credits)
This course presents a comprehensive examination of the federal income tax regulations that apply to individuals. Topics include: tax research,
e.g., financial planning, product strategies, pricing, credit policies, inventory control and capital budgeting — are emphasized via a case study approach. Not for General Education.

**MGT 354 - Retail Management (3 credits)**
The structure, strategy, and changing environment of retail management are presented in a comprehensive survey. The topics analyzed include retail institutions, site location, merchandise planning, customer communications, and retail pricing. Emphasis is placed on case studies. Not for General Education.

**MGT 355 - Business Ethics (3 credits)**
Managers will confront ethical issues in their organizational careers. This course seeks to prepare managers to incorporate an ethical dimension into their decision-making by recognizing and accommodating the legitimate claims of multiple organizational stakeholders (owners, employees, customers, suppliers, competitors, regulators, the ecological environment, and society). Concepts and models of ethical decision-making will be covered. Typical ethical issues encountered in organizational life and case examples of ethical and unethical behavior will be examined.

**MGT 359 - Labor History & Industrial Relations (3 credits)**
This course examines the roles of labor and management in industrial relations with special references to labor history, wage rate determination, collective bargaining and government intervention into labor relations. The implications of the changing structure of the American economy are analyzed.

**MGT 362 - Globalization & International Management (3 credits)**
Economic, political, and technological forces are acting together to create a new system called globalization. This course will examine the forces of globalization and the new system they have created. After a brief survey of the economics of international trade and finance, the course will focus on the challenges of global management including understanding political, economic and cultural differences and adapting the organizational systems and strategies of research, product development, supply, manufacturing, marketing, finance, and human resource management to a global business environment.

**MGT 363 - Entrepreneurship & New Venture Creation (3 credits)**
This course presents a comprehensive overview of the concepts and practices of entrepreneurship/new venture creation. Topics include the characteristics of successful entrepreneurs, opportunity recognition and assessment, acquisition of human and financial resources, legal considerations, marketing strategies, intellectual property, and exit strategies. Instruction methods include lecture, case studies, guest entrepreneur speakers, and student team creation and defense of a comprehensive business plan for a new entrepreneurial venture.

**MGT 370 - Consumer Behavior (3 credits)**
This course examines how individual and group behavior impact consumer choices in the marketplace. The individual processes of perception, learning, personality, attitudes, motivation, and decision-making are examined. The group influences of family, social class, culture, and subculture are also examined for their impact on consumer behavior.

**MGT 371 - Advertising Management (3 credits)**
A comprehensive survey of the principles of advertising is combined with advertising practices to introduce students to the functions that advertising performs in selling activities. Advertisers, advertising agencies, consumer behavior, and market research are analyzed in terms of their relationships to advertising media, market segmentation, and advertising strategies. While emphasis is placed on creative advertising and advertising testing, special types of advertising are also covered.

**MGT 375 - Business Ethics (3 credits)**
Managers will confront ethical issues in their organizational careers. This course seeks to prepare managers to incorporate an ethical dimension into their decision-making by recognizing and accommodating the legitimate claims of multiple organizational stakeholders (owners, employees, customers, suppliers, competitors, regulators, the ecological environment, and society). Concepts and models of ethical decision-making will be covered. Typical ethical issues encountered in organizational life and case examples of ethical and unethical behavior will be examined.

**MGT 379 - Labor History & Industrial Relations (3 credits)**
This course examines the roles of labor and management in industrial relations with special references to labor history, wage rate determination, collective bargaining and government intervention into labor relations. The implications of the changing structure of the American economy are analyzed.

**MGT 382 - Globalization & International Management (3 credits)**
Economic, political, and technological forces are acting together to create a new system called globalization. This course will examine the forces of globalization and the new system they have created. After a brief survey of the economics of international trade and finance, the course will focus on the challenges of global management including understanding political, economic and cultural differences and adapting the organizational systems and strategies of research, product development, supply, manufacturing, marketing, finance, and human resource management to a global business environment.

**MGT 383 - Entrepreneurship & New Venture Creation (3 credits)**
This course presents a comprehensive overview of the concepts and practices of entrepreneurship/new venture creation. Topics include the characteristics of successful entrepreneurs, opportunity recognition and assessment, acquisition of human and financial resources, legal considerations, marketing strategies, intellectual property, and exit strategies. Instruction methods include lecture, case studies, guest entrepreneur speakers, and student team creation and defense of a comprehensive business plan for a new entrepreneurial venture.

**MGT 371 - Advertising Management (3 credits)**
A comprehensive survey of the principles of advertising is combined with advertising practices to introduce students to the functions that advertising performs in selling activities. Advertisers, advertising agencies, consumer behavior, and market research are analyzed in terms of their relationships to advertising media, market segmentation, and advertising strategies. While emphasis is placed on creative advertising and advertising testing, special types of advertising are also covered.

**MGT 375 - Business Ethics (3 credits)**
Managers will confront ethical issues in their organizational careers. This course seeks to prepare managers to incorporate an ethical dimension into their decision-making by recognizing and accommodating the legitimate claims of multiple organizational stakeholders (owners, employees, customers, suppliers, competitors, regulators, the ecological environment, and society). Concepts and models of ethical decision-making will be covered. Typical ethical issues encountered in organizational life and case examples of ethical and unethical behavior will be examined.

**MGT 379 - Labor History & Industrial Relations (3 credits)**
This course examines the roles of labor and management in industrial relations with special references to labor history, wage rate determination, collective bargaining and government intervention into labor relations. The implications of the changing structure of the American economy are analyzed.

**MGT 382 - Globalization & International Management (3 credits)**
Economic, political, and technological forces are acting together to create a new system called globalization. This course will examine the forces of globalization and the new system they have created. After a brief survey of the economics of international trade and finance, the course will focus on the challenges of global management including understanding political, economic and cultural differences and adapting the organizational systems and strategies of research, product development, supply, manufacturing, marketing, finance, and human resource management to a global business environment.

**MGT 383 - Entrepreneurship & New Venture Creation (3 credits)**
This course presents a comprehensive overview of the concepts and practices of entrepreneurship/new venture creation. Topics include the characteristics of successful entrepreneurs, opportunity recognition and assessment, acquisition of human and financial resources, legal considerations, marketing strategies, intellectual property, and exit strategies. Instruction methods include lecture, case studies, guest entrepreneur speakers, and student team creation and defense of a comprehensive business plan for a new entrepreneurial venture.

**MGT 371 - Advertising Management (3 credits)**
A comprehensive survey of the principles of advertising is combined with advertising practices to introduce students to the functions that advertising performs in selling activities. Advertisers, advertising agencies, consumer behavior, and market research are analyzed in terms of their relationships to advertising media, market segmentation, and advertising strategies. While emphasis is placed on creative advertising and advertising testing, special types of advertising are also covered.

**MGT 375 - Business Ethics (3 credits)**
Managers will confront ethical issues in their organizational careers. This course seeks to prepare managers to incorporate an ethical dimension into their decision-making by recognizing and accommodating the legitimate claims of multiple organizational stakeholders (owners, employees, customers, suppliers, competitors, regulators, the ecological environment, and society). Concepts and models of ethical decision-making will be covered. Typical ethical issues encountered in organizational life and case examples of ethical and unethical behavior will be examined.

**MGT 379 - Labor History & Industrial Relations (3 credits)**
This course examines the roles of labor and management in industrial relations with special references to labor history, wage rate determination, collective bargaining and government intervention into labor relations. The implications of the changing structure of the American economy are analyzed.

**MGT 382 - Globalization & International Management (3 credits)**
Economic, political, and technological forces are acting together to create a new system called globalization. This course will examine the forces of globalization and the new system they have created. After a brief survey of the economics of international trade and finance, the course will focus on the challenges of global management including understanding political, economic and cultural differences and adapting the organizational systems and strategies of research, product development, supply, manufacturing, marketing, finance, and human resource management to a global business environment.

**MGT 383 - Entrepreneurship & New Venture Creation (3 credits)**
This course presents a comprehensive overview of the concepts and practices of entrepreneurship/new venture creation. Topics include the characteristics of successful entrepreneurs, opportunity recognition and assessment, acquisition of human and financial resources, legal considerations, marketing strategies, intellectual property, and exit strategies. Instruction methods include lecture, case studies, guest entrepreneur speakers, and student team creation and defense of a comprehensive business plan for a new entrepreneurial venture.

**MGT 371 - Advertising Management (3 credits)**
A comprehensive survey of the principles of advertising is combined with advertising practices to introduce students to the functions that advertising performs in selling activities. Advertisers, advertising agencies, consumer behavior, and market research are analyzed in terms of their relationships to advertising media, market segmentation, and advertising strategies. While emphasis is placed on creative advertising and advertising testing, special types of advertising are also covered.

**MGT 375 - Business Ethics (3 credits)**
Managers will confront ethical issues in their organizational careers. This course seeks to prepare managers to incorporate an ethical dimension into their decision-making by recognizing and accommodating the legitimate claims of multiple organizational stakeholders (owners, employees, customers, suppliers, competitors, regulators, the ecological environment, and society). Concepts and models of ethical decision-making will be covered. Typical ethical issues encountered in organizational life and case examples of ethical and unethical behavior will be examined.

**MGT 379 - Labor History & Industrial Relations (3 credits)**
This course examines the roles of labor and management in industrial relations with special references to labor history, wage rate determination, collective bargaining and government intervention into labor relations. The implications of the changing structure of the American economy are analyzed.

**MGT 382 - Globalization & International Management (3 credits)**
Economic, political, and technological forces are acting together to create a new system called globalization. This course will examine the forces of globalization and the new system they have created. After a brief survey of the economics of international trade and finance, the course will focus on the challenges of global management including understanding political, economic and cultural differences and adapting the organizational systems and strategies of research, product development, supply, manufacturing, marketing, finance, and human resource management to a global business environment.

**MGT 383 - Entrepreneurship & New Venture Creation (3 credits)**
This course presents a comprehensive overview of the concepts and practices of entrepreneurship/new venture creation. Topics include the characteristics of successful entrepreneurs, opportunity recognition and assessment, acquisition of human and financial resources, legal considerations, marketing strategies, intellectual property, and exit strategies. Instruction methods include lecture, case studies, guest entrepreneur speakers, and student team creation and defense of a comprehensive business plan for a new entrepreneurial venture.
MGT 438 - Forensic Accounting (3 credits)
This is an introductory course in Forensic Accounting. Students will be introduced to concepts of engagement selection and planning, gathering and evaluating evidence and conducting fraud investigations. An overview of the legal environment of fraud, procedures for gathering evidence, transforming data into evidence, and professional responsibilities of fraud examiners will be covered.
Distribution: Advanced. Prerequisite: MGT331 AND MGT332.

MGT 451 - Management Science I (3 credits)
This is an intermediate course in Management Science. It is a survey of analytical techniques used by modern management to formulate and solve problems. Some of the topics covered are Linear and Integer Programming, Transportation Models, Inventory Theory, and Game Theory.
Distribution: Advanced. Prerequisite: MATH110 AND MATH130.

MGT 452 - Organizational Strategy (3 credits)
This course presents the tools and techniques of organizational strategic planning, including internal organizational analysis of strengths and weaknesses and external scanning of the stakeholders and trends in the environment that the organization inhabits. Students will practice strategic analysis and the formulation of appropriate strategies through comprehensive real organization and/or simulation cases in this capstone course that integrates all the functional areas of management. The course concludes with a consideration of strategy implementation issues and techniques.
Distribution: Information Literacy & Technology (I) | Advanced (ADVD). Prerequisite: MGT301.

MGT 453 - Organizational Leadership (3 credits)
This course presents traditional (trait and behavioral theories) and contemporary (contingency, participative, charismatic, transformational) models of leadership. The course considers the sources and uses of power and influence as well as the phenomenon of leader emergence. The course includes leadership skills assessment and training exercises. Cases of effective and ineffective leadership will be utilized extensively throughout the course.
Distribution: Advanced. Prerequisite: MGT200 AND MGT204 AND MGT211 AND MGT225 AND MGT301.

MGT 454 - Organizational Behavior (3 credits)
This course examines the individual and group behaviors that impact organizational performance. Individual processes and attributes such as perception, learning, personality, emotional intelligence, ethics, motivation, and stress are examined in organizational settings. Team processes such as communications, decision-making, power, conflict, and negotiation are also considered. The course concludes with a consideration of the organization-wide processes of learning, change, and structural design.
Distribution: Advanced. Prerequisite: MGT200 AND PSY100.

MGT 455 - Supply Chain Management (3 credits)
The class provides an overview of key logistics and supply chain management processes, concepts, and methodologies. Emphasis is given to the framework for supply chain management, the analysis of logistics cost, and service trade-offs among inventory, transportation, and warehousing activities, the strategic role of information technology in supply chains, the use of third-party logistics providers, and the methods of measuring the value of logistics performance. Instruction is based on problem-based learning pedagogy.
Distribution: Advanced. Prerequisite: MGT 200, MGT 201, MATH 130, and MGT 351.

MGT 463 - Entrepreneurship and New Venture Creation II (3 credits)
This advanced course in entrepreneurship is designed as a capstone in the Entrepreneurship concentration. It builds on MGT 363 by preparing students to deal with potential and actual problems/issues they may face in their efforts to launch and establish their new businesses. Specific topics include choosing an appropriate legal form of organization, exploring intellectual property documentation, developing prototypes, facilitating customer acquisition, developing production and operations, identifying financial and investment issues, and exploring marketing and accounting and tax issues.
Distribution: ADVD. Prerequisite: MGT 363; MGT 301 or MGT 315; MGT 353 or MGT 375.

MGT 470 - Marketing Research (3 credits)
The marketing research alternatives of reliance upon existing secondary data sources (publications, data bases) versus development of primary sources (surveys, observations, and experiments) is considered. Data analysis techniques including hypothesis testing, association testing, correlation and regression, discriminant analysis, factor, and cluster analysis are presented. The course concludes with the traditional, contemporary, and emerging applications of marketing research.
Distribution: Advanced. Prerequisite: MGT204 AND MGT370 AND MATH110.

MGT 471 - Marketing Management & Strategy (3 credits)
This is a capstone course in Marketing that examines the role of the Marketing Manager. The development of an appropriate marketing strategy is given extensive consideration. The implementation of a marketing strategy and the general and specific management issues involved in the marketing function are covered. Exercises, problems, and cases will be used extensively in this integrative course where all the important aspects of marketing come together.
Distribution: Advanced. Prerequisite: MGT204 AND MGT370.

MGT 472 - Sales Management (3 credits)
This course examines how to apply management principles to the planning, organization and administration of a field sales force. Topics to be discussed include selling, sales ethics, quotas, territories, motivation, recruitment, training, compensation and sales analysis.
Distribution: Advanced. Prerequisite: MGT 204 AND MGT 352.

MGT 485 - IS: (1 - 12 credits)
Independent study is an in-depth directed research into subject matter which is not covered in courses listed in the current catalog. It is open to an advanced student (90 credits) who discusses the research topic with an adviser before contacting the professor who will serve as the instructor. At least five (5) hours of student-professor conference time are required for each credit undertaken. Prerequisites: 90 credits and approval of the adviser, instructor, department chair and dean.
Distribution: Advanced.

MGT 486 - Field Experience & Internship (1 - 15 credits)
Internships provide qualified students with an opportunity to apply theoretical concepts and techniques learned in the classroom to practical problems found in the work environment. Students can also use an internship experience to test a career aspiration under controlled conditions.
Distribution: Advanced. Prerequisite: 2.5 QPA and 60 credit hours including ECON 111, 112, 312 and MGT 204, 211, and 212.
Chemistry and Biochemistry

College of Arts and Sciences
The Faculty of Science

Science and Technology Center, Room 317
570-422-3342
www.esu.edu/chem

The Department of Chemistry and Biochemistry is approved by the Committee on Professional Training of the American Chemical Society and the American Society for Biochemistry and Molecular Biology.

About the Program
The Department of Chemistry and Biochemistry provides high quality programs in both traditional and emerging fields of study that promote human and intellectual diversity. Academic degree programs offered: Bachelor of Arts in Chemistry; Bachelor of Science in Biochemistry; Bachelor of Science in Chemical Biotechnology; Bachelor of Science in Chemistry; Bachelor of Science in Secondary Education/Chemistry and a Minor in Chemistry.

The department provides options for students whose interests range from traditional chemistry fields to the interface between chemistry and biology or that have a health-profession emphasis. Majors are well prepared for direct entry to the workforce or graduate or professional study.

The Biochemistry degree is accredited by the American Society for Biochemistry and Molecular Biology, one of only two programs in the State System of Higher Education to obtain this distinction. Biochemistry students may obtain individual degree certification upon successful completion of the ASBMB certification exam.

The Bachelor of Science Program in Chemistry has met the requirements set forth by the Committee on Professional Training of the American Chemical Society. Graduates of this program are eligible to receive certification from the American Chemical Society.

ESU is located near several chemical and pharmaceutical companies such as Sanofi Pasteur, Royal Chemicals, Biospectra, and DSM. Majors can explore internships and employment in their area of study. Many majors participate in undergraduate research. Under the supervision of a faculty mentor, students learn independently and solve problems. Students are exposed to advanced, specialized areas of chemistry and biochemistry.

The ESU Chemistry Club is a Student Affiliate Chapter of the American Chemical Society. The club members are very active in campus events and public service. The members plan field trips to local and regional industries where chemistry plays a major role in research and production. Members perform chemical demonstrations to entertain and educate diverse audiences.

Are you interested in ...  
- Medicine or medical research
- Laboratory instrumentation
- Scientific or technical production
- Quality control work
- Environmental measurements
- The link between chemistry and biology
- Cutting edge biotechnology and forensics
- Strong preparation of medical, pharmacy or dental programs

Choose Chemistry at ESU
- Small class sizes
- Modern facilities
- Practical field experiences
- Qualified, experienced faculty
- Frequent faculty interactions

Is Chemistry of Biochemistry a career path for me?

Career Potential
- Chemist, Biochemist or Biotechnologist
- Agricultural or Food Industry Scientist
- Environmental Testing
- Educator
- Production or Quality Control Technician
- Pharmaceutical and Vaccine Production
- Government or Military Scientist

Career Settings
- Chemical Manufacturers
- Hospitals
- Graduate School - Advanced Degrees
- Laboratories
- Forensic Laboratories
- Food and Drug Administration
- Pharmaceutical Companies

More detailed career information is available from the department.

Chemistry B.A.

PROGRAM FEATURES
30 credits

Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 234</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 236</td>
<td>Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 353</td>
<td>Physical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 354</td>
<td>Physical Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Analytical Chemistry I: Quantitative</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 385</td>
<td>Chemical Literature and Documentation</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 495</td>
<td>Chemistry Seminar</td>
<td>1</td>
</tr>
</tbody>
</table>

Co-requisite courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPSC 101</td>
<td>GN: PCs and Their Uses in the Sciences</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>GN: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 161</td>
<td>GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 162</td>
<td>GE: Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

Additional requirements:
- Please see the university requirements in this catalog.
- Please see the Foreign Language Competency Requirement in this catalog.
- Note: A 2.00 minimum quality point average in major courses is required for graduation.
- All 300 and 400 level courses required for the major must be completed at ESU, with the exception of courses taken as part of the Pharmacy Transfer Program.

4 YEAR CURRICULUM PROGRAM PLAN
(Subject to change by the university without notice)
Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>1</td>
</tr>
<tr>
<td>MATH 135</td>
<td>3</td>
</tr>
<tr>
<td>CPSC 101</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 13

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 124</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>1</td>
</tr>
<tr>
<td>MATH 140</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 161</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 233</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 160</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>4</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 234</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 236</td>
<td>1</td>
</tr>
<tr>
<td>MLXX 116</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 16

Junior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 353</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 385</td>
<td>1</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 354</td>
<td>4</td>
</tr>
<tr>
<td>MLXX 117</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 16

Senior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenEd ___</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 495</td>
<td>1</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>2</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

For more information, contact the department at 570-422-3342 or visit www.esu.edu/chem

Chemistry B.S.

PROGRAM FEATURES

51 Credits

Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 234</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 315</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 353</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 354</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 372</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 385</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 433</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 441</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 442</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 460</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 495</td>
<td>1</td>
</tr>
</tbody>
</table>

and three additional credits in CHEM at the 300 to 400 level.

Co-requisite courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPSC 101</td>
<td>3</td>
</tr>
<tr>
<td>MLFR 116</td>
<td>3</td>
</tr>
<tr>
<td>MLGR 116</td>
<td>3</td>
</tr>
<tr>
<td>MLSP 116</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 161</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 162</td>
<td>4</td>
</tr>
</tbody>
</table>

Additional requirements:

- Please see the university requirements in this catalog.
- Note: A minimum quality point average of 2.00 in major courses is required for graduation. This degree program is approved by the Committee on Professional Training of the American Chemical Society. Graduates of this program with a minimum quality point average of 2.50 in major courses who have completed 1 elective upper-level chemistry lab credit or 45 actual lab hours of credited research or internship are eligible for certification by this society.
- All 300 and 400 level courses required for the major must be completed at ESU.

4 YEAR CURRICULUM PROGRAM PLAN

(Since subject to the university without notice)

Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>1</td>
</tr>
<tr>
<td>MATH 140</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15
East Stroudsburg University 2022-2023 Undergraduate Catalog

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>GE/Group</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>MATH 141</td>
<td>GN: Calculus II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PHYS 161</td>
<td>GN: Physics I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MLXX 116</td>
<td>GN: French I, or German I, or Spanish I</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Sophomore Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>GE/Group</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 233</td>
<td>Organic Chemistry I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry I Lab</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>PHYS 162</td>
<td>GE: Physics I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CPSC 101</td>
<td>GN: Personal Computers and Their Uses in the Sciences</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 14**

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>GE/Group</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 234</td>
<td>Organic Chemistry II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 236</td>
<td>Organic Chemistry II Lab</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective (Group C)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective (Group A)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective (Group A)</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 16**

**Junior Year**

Junior and senior level course sequences may be modified based on availability.

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>GE/Group</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 353</td>
<td>Physical Chemistry I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM 385</td>
<td>Chemical Literature and Documentation</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>CHEM 315</td>
<td>Biochemistry</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Analytical Chemistry I: Quantitative</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective (Group A)</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>GE/Group</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 354</td>
<td>Physical Chemistry II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM 372</td>
<td>Analytical Chemistry II: Instrumental</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective (Group C)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective (Group C)</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Senior Year**

Junior and senior level course sequences may be modified based on availability.

**Fall**

Chemistry Elective course: This course must be taken from the list of chemistry department 300 or 400 elective courses.
First elective: Only 13 credits of electives can be chemistry department 300 or 400 elective courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>GE/Group</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 433</td>
<td>Organic Chemistry III</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 441</td>
<td>Inorganic Chemistry I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3XX</td>
<td>Chemistry Elective Course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>XXXX ___ Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 4XX</td>
<td>Chemistry Elective Course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 16**

For more information, contact the department at 570-422-3342 or visit www.esu.edu/chem.

**Chemistry - Concentration: Secondary Education**

Are you interested in...
- Working with young people
- Introducing scientific ideas
- A creatively challenging profession
- Mentoring and developing young talent

Choose Chemistry / Secondary Education at ESU
- Safe, modern facilities
- High career demand
- Relevant stockroom-work study job experience
- Approved by the Pennsylvania Department of Education

Is Chemistry / Secondary Education a career path for me?
**Career Potential**
- High school chemistry teaching
- Graduate study
- Related science education / junior high

**Career Settings**
- Public schools
- Private schools
- Charter schools
- School administration

More detailed career information is available from the department.

**Chemistry B.S.- Secondary Education**

**PROGRAM FEATURES**

94 Credits

**Required courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>GE/Group</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>CHEM 233</td>
<td>Organic Chemistry I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 234</td>
<td>Organic Chemistry II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry I Lab</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>CHEM 236</td>
<td>Organic Chemistry II Lab</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>CHEM 237</td>
<td>Organic Chemistry II Lab</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>CHEM 315</td>
<td>Biochemistry</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 353</td>
<td>Physical Chemistry I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM 354</td>
<td>Physical Chemistry II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Analytical Chemistry I: Quantitative</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM 372</td>
<td>Analytical Chemistry I: Quantitative</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM 3XX</td>
<td>Chemistry Elective Course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>XXXX ___ Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CHEM 4XX</td>
<td>Chemistry Elective Course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Co-requisite courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>GE/Group</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>BIOL 115</td>
<td>GE: Introductory Biology II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>GN: Calculus II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PHYS 161</td>
<td>GN: Physics I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PHYS 162</td>
<td>GE: Physics II</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>
Required professional education courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSED 161</td>
<td>Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 102</td>
<td>Diversity of the Learner</td>
<td>3</td>
</tr>
<tr>
<td>PSED 250</td>
<td>The Psychology of Learners In Diverse Communities</td>
<td>3</td>
</tr>
<tr>
<td>PSED 420</td>
<td>Seminar in Secondary Education I: Instructional Structures and Strategies</td>
<td>3</td>
</tr>
<tr>
<td>PSED 421</td>
<td>Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom</td>
<td>3</td>
</tr>
<tr>
<td>PSED 430</td>
<td>Student Teaching in Secondary Education/ Middle School/Junior High School</td>
<td>6</td>
</tr>
<tr>
<td>PSED 431</td>
<td>Student Teaching in Secondary Education/ Senior High School</td>
<td>6</td>
</tr>
<tr>
<td>PSED 446</td>
<td>Teaching of Science in the Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>SPED 350</td>
<td>Assessment of Student Learning and Behavior in Diverse Communities</td>
<td>3</td>
</tr>
<tr>
<td>REED 350</td>
<td>Teaching Reading to Communities of Diverse Learners</td>
<td>3</td>
</tr>
</tbody>
</table>

Recommended courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 373</td>
<td>Environmental Quality: The Chemical Approach</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 493</td>
<td>Research In Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 120</td>
<td>GN: Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 121</td>
<td>GN: Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>DMET 262</td>
<td>Educational Communications and Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional requirements:

- Please see the university requirements in this catalog.
- **Note:** A minimum quality point average of 2.50 in chemistry major courses is required for certification. All 300 and 400 level courses required for the major must be completed at ESU.

**PENNSYLVANIA REQUIREMENTS**

The Commonwealth of Pennsylvania establishes requirements for all candidates in teacher preparation programs. Please refer to the section The College of Education in this catalog for specific requirements for admission into teacher education programs.

ALL teacher education students should be in frequent consultation with their academic advisers both in CHEM and PSED to make sure they are meeting the appropriate program and certification requirements which will vary depending on a variety of circumstances.

*These General Education selections meet two of the Pennsylvania requirements for Chemistry certification candidates:*

- ENGL: any GN English Literature course (as a Group A GenEd elective)
- GEOG 120 and/or GEOG 121 (as a Group C GenEd elective)

*Certain additional General Education courses have particular relevance for chemistry teachers.*

*Among your 12 credits from 4 areas in Humanities Group A, consider these courses:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>MLSP 116</td>
<td>GN: Spanish I</td>
<td>3</td>
</tr>
<tr>
<td>MLSP 117</td>
<td>GN: Spanish II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 177</td>
<td>GN: Environmental Literature</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 180</td>
<td>GN: Literature and Science</td>
<td>3</td>
</tr>
<tr>
<td>ART 251</td>
<td>GN: Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 253</td>
<td>GN: Ceramics I</td>
<td>3</td>
</tr>
<tr>
<td>ART 254</td>
<td>GN: Painting I</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 256</td>
<td>GE: Watercolor Painting</td>
<td>3</td>
</tr>
<tr>
<td>THTR 230</td>
<td>GN: Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THTR 102</td>
<td>GN: Acting</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 221</td>
<td>GN: Logic I</td>
<td>3</td>
</tr>
</tbody>
</table>

Among your 12 credits from 4 areas in Social Studies Group C, consider these courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 120</td>
<td>GN: Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 121</td>
<td>GN: Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 220</td>
<td>GE: Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 320</td>
<td>GE: Climatology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 321</td>
<td>GE: Geomorphology</td>
<td>3</td>
</tr>
</tbody>
</table>

*Students in a 4 1/2 or 5 year or M.S. plan with time for elective credits should also consider:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 373</td>
<td>Environmental Quality: The Chemical Approach</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 493</td>
<td>Research In Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

**4 YEAR CURRICULUM PROGRAM PLAN**

(Subject to change by the university without notice)

**Freshman Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>PSED 161</td>
<td>Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 17

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 141</td>
<td>GN: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 161</td>
<td>GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PSED 102</td>
<td>Diversity of the Learner</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

**Sophomore Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 233</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 162</td>
<td>GE: Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PSED 250</td>
<td>The Psychology of Learners In Diverse Communities</td>
<td>3</td>
</tr>
<tr>
<td>ENGL</td>
<td>ENGL Literature GenEd Elective</td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 17

**Junior Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 353</td>
<td>Physical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 385</td>
<td>Chemical Literature and Documentation</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>REED 350</td>
<td>Teaching Reading to Communities of Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group C)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 16

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 385</td>
<td>Chemical Literature and Documentation</td>
<td>1</td>
</tr>
<tr>
<td>REED 350</td>
<td>Teaching Reading to Communities of Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group C)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 18
| Spring | CHEM 354 | Physical Chemistry II | 4 |
|       | CHEM 495 | Chemistry Seminar     | 1 |
|       | BIOL 115 | GE: Introductory Biology II | 4 |
|       | PSED 420 | Seminar in Secondary Education I: Instructional Structures and Strategies | 3 |
| GenEd | General Education Elective (Group C) | 3 |

**Subtotal:** 15

| Senior Year Fall | CHEM 315 | Biochemistry | 3 |
| CHEM 371 | Analytical Chemistry I: Quantitative | 4 |
| PSED 421 | Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom | 3 |
| PSED 446 | Teaching of Science in the Secondary Schools | 3 |
| GenEd | General Education Elective (Group A) | 3 |

**Subtotal:** 16

| Spring | CHEM 499 | Student Teaching Internships | 1 |
| PSED 430 | Student Teaching in Secondary Education/ Middle School/Junior High School | 6 |
| PSED 431 | Student Teaching in Secondary Education/ Senior High School | 6 |

**Subtotal:** 13

For more information, contact the department at 570-422-3342 or visit www.esu.edu/chem

### Chemical Biotechnology

**Are you interested in ...**
- Life sciences chemistry
- Biological production
- Pharmaceutical industry
- Graduate study in pharmacy

**Choose Chemical Biotechnology at ESU**
- Small class sizes
- Modern, safe, well-equipped facilities
- Practical field experiences
- Qualified, experienced faculty
- Varied lab courses on the chemistry/biology interface

**Is chemical biotechnology a career path for me?**

**Career Potential**
- Laboratory or Production Biotechnician
- Licensed Pharmacist
- FDA Compliance Officer
- Medical, Pharmaceutical or Government Researcher
- Pharmaceutical Sales

**Career Settings**
- Chemical Manufacturers
- Hospitals
- Insurance Companies
- Laboratories
- Public Health Service
- Food and Drug Administration

*More detailed career information is available from the department.*

### Chemical Biotechnology B.S. - Concentration: General

**PROGRAM FEATURES**

70 Credits

**Required courses:**
- CHEM 121 GN: General Chemistry I 3
- CHEM 123 GN: General Chemistry I Lab 1
- CHEM 124 GE: General Chemistry II 3
- CHEM 126 GE: General Chemistry II Lab 1
- CHEM 233 Organic Chemistry I 3
- CHEM 234 Organic Chemistry II 3
- CHEM 315 Biochemistry 3
- CHEM 317 Biochemistry Laboratory 1
- CHEM 350 Biochemical Energetics 3
- CHEM 352 Biochemical Energetics Laboratory 1
- CHEM 371 Analytical Chemistry I: Quantitative 4
- CHEM 420 Biochemical Methods 3
- CHEM 422 Biochemical Methods Laboratory 1
- CHEM 495 Chemistry Seminar 1

5 credits (1 lab required) from
- CHEM 372 Analytical Chemistry II: Instrumental 4
- CHEM 415 Proteins and Nucleic Acids 3
- CHEM 417 Proteins and Nucleic Acids Laboratory 1
- CHEM 419 Biochemistry II 3
- CHEM 493 Research in Chemistry 3

6 credits (1 lab required) from:
- BIOL 330 Microbiology 4
- BIOL 331 Genetics 3
- BIOL 380 Cell Culture Techniques 2
- BIOL 430 Applied Microbiology 4
- BIOL 437 Immunology 3
- BIOL 465 Immunology Laboratory 1

**Co-requisite courses:**
- PHYS 131 GN: Fundamental Physics I 4
- PHYS 132 GE: Fundamental Physics II 4
- PHYS 161 GN: Physics I 4
- PHYS 162 GE: Physics II 4
- BIOL 114 GN: Introductory Biology I 4
- BIOL 281 Introduction to Biotechnology 3
- BIOL 411 Introduction to Molecular Biotechnology 3
- OR both of the following.
- BIOL 439 Molecular Biology 3
- BIOL 477 Molecular Biology Lab 1

7 credits from:
- MATH 110 GN: General Statistics 3
- MATH 135 GN: Pre-Calculus 3
- MATH 140 GN: Calculus I 4
- MATH 141 GN: Calculus II 4

**Additional requirements:**
- Please see the university requirements in this catalog.
- A minimum quality point average of 2.5 in chemistry courses is required for graduation.
- All 300 and 400 level courses required for the major must be completed at ESU.
- Students enrolling in this degree program are strongly encouraged to participate in undergraduate research or an internship opportunity.

### 4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

#### Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 141</td>
<td>GN: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group C)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

#### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 233</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 281</td>
<td>Introduction to Biotechnology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM/BIOL</td>
<td>Chemistry/Biology Elective</td>
<td>4</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 14

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 234</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 236</td>
<td>Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 131</td>
<td>GN: Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group C)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 14

#### Junior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 315</td>
<td>Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 317</td>
<td>Biochemistry Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 132</td>
<td>GE: Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group C)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 14

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 420</td>
<td>Biochemical Methods</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 422</td>
<td>Biochemical Methods Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 411</td>
<td>Introduction to Molecular Biotechnology</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 439</td>
<td>Molecular Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 477</td>
<td>Molecular Biology Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM/BIOL</td>
<td>Chemistry/Biology Elective</td>
<td>4</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group C)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 16

#### Chemistry/Biology Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 372</td>
<td>Analytical Chemistry II: Instrumental</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 412</td>
<td>Contemporary Topics in Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 418</td>
<td>Molecular Toxicity</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 436</td>
<td>Medicinal Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 461</td>
<td>Polymer Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 493</td>
<td>Research In Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 330</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 331</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 380</td>
<td>Cell Culture Techniques</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 437</td>
<td>Immunology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 465</td>
<td>Immunology Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

For more information, contact the department at 570-422-3342 or visit www.esu.edu/chem.

### Chemical Biotechnology B.S.

#### Concentration: Pre-Pharmacy

**PROGRAM FEATURES**

70 Credits

**Required courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 350</td>
<td>Biochemical Energetics</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 352</td>
<td>Biochemical Energetics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Analytical Chemistry I: Quantitative</td>
<td>4</td>
</tr>
<tr>
<td>CHEM/BIOL</td>
<td>Chemistry/Biology Elective</td>
<td>4</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM/BIOL</td>
<td>Chemistry Biology Elective</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 495</td>
<td>Chemistry Seminar</td>
<td>1</td>
</tr>
<tr>
<td>XXXX</td>
<td>Electives</td>
<td>12</td>
</tr>
</tbody>
</table>

Subtotal: 16

**6 credits (1 lab required) from:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 372</td>
<td>Analytical Chemistry II: Instrumental</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 415</td>
<td>Proteins and Nucleic Acids</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 417</td>
<td>Proteins and Nucleic Acids Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 419</td>
<td>Biochemistry II</td>
<td>3</td>
</tr>
</tbody>
</table>

For more information, contact the department at 570-422-3342 or visit www.esu.edu/chem.

### Chemical Biotechnology B.S.

#### Concentration: Pre-Pharmacy

**PROGRAM FEATURES**

70 Credits

**Required courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 350</td>
<td>Biochemical Energetics</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 352</td>
<td>Biochemical Energetics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Analytical Chemistry I: Quantitative</td>
<td>4</td>
</tr>
<tr>
<td>CHEM/BIOL</td>
<td>Chemistry/Biology Elective</td>
<td>4</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM/BIOL</td>
<td>Chemistry Biology Elective</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 495</td>
<td>Chemistry Seminar</td>
<td>1</td>
</tr>
<tr>
<td>XXXX</td>
<td>Electives</td>
<td>12</td>
</tr>
</tbody>
</table>

Subtotal: 16

**6 credits (1 lab required) from:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 372</td>
<td>Analytical Chemistry II: Instrumental</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 415</td>
<td>Proteins and Nucleic Acids</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 417</td>
<td>Proteins and Nucleic Acids Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 419</td>
<td>Biochemistry II</td>
<td>3</td>
</tr>
</tbody>
</table>

For more information, contact the department at 570-422-3342 or visit www.esu.edu/chem.

### Chemical Biotechnology B.S.

#### Concentration: Pre-Pharmacy

**PROGRAM FEATURES**

70 Credits

**Required courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 350</td>
<td>Biochemical Energetics</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 352</td>
<td>Biochemical Energetics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Analytical Chemistry I: Quantitative</td>
<td>4</td>
</tr>
<tr>
<td>CHEM/BIOL</td>
<td>Chemistry/Biology Elective</td>
<td>4</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM/BIOL</td>
<td>Chemistry Biology Elective</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 495</td>
<td>Chemistry Seminar</td>
<td>1</td>
</tr>
<tr>
<td>XXXX</td>
<td>Electives</td>
<td>12</td>
</tr>
</tbody>
</table>

Subtotal: 16

**6 credits (1 lab required) from:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 372</td>
<td>Analytical Chemistry II: Instrumental</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 415</td>
<td>Proteins and Nucleic Acids</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 417</td>
<td>Proteins and Nucleic Acids Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 419</td>
<td>Biochemistry II</td>
<td>3</td>
</tr>
</tbody>
</table>

For more information, contact the department at 570-422-3342 or visit www.esu.edu/chem.
CHEM 493  Research In Chemistry  3

2 credits from:

BIOL 331  Genetics  3
BIOL 380  Cell Culture Techniques  2
BIOL 390  Human Gross Anatomy  4
BIOL 410  Histology  4
BIOL 414  Pathogenic Microbiology  3
BIOL 430  Applied Microbiology  4

Co-requisite courses:

PHYS 131  GN: Fundamental Physics I  4
PHYS 132  GE: Fundamental Physics II  4
OR
PHYS 161  GN: Physics I  4
PHYS 162  GE: Physics II  4

BIOL 114  GN: Introductory Biology I  4
BIOL 281  Introduction to Biotechnology  3
BIOL 330  Microbiology  4
BIOL 411  Introduction to Molecular Biotechnology  3
OR both of the following

BIOL 439  Molecular Biology  3
BIOL 477  Molecular Biology Lab  1

7 credits from:

MATH 110  GN: General Statistics  3
MATH 135  GN: Pre-Calculus  3
MATH 140  GN: Calculus I  4
MATH 141  GN: Calculus II  4

Additional requirements:

• Please see the university requirements in this catalog.
• A minimum quality point average of 2.5 in chemistry courses is required for graduation.
• All 300 and 400 level courses required for the major must be completed at ESU.
• Students enrolling in this degree program are strongly encouraged to participate in undergraduate research or an internship opportunity.

See the program advisor for a Four-Year Curriculum Plan tailored to the transfer or admission requirements of your targeted pharmacy schools. The four-year plan for the Chemical Biotechnology - General Concentration may serve as an approximate model.

Biochemistry

Are you interested in ...

• The materials of life itself
• Exploring submicroscopic nature
• Investigating chemical secrets of biology
• Developing laboratory skills
• A young and rapidly-changing subdiscipline

Choose Biochemistry at ESU

• Small class sizes
• Safe, modern, well-equipped facilities
• Practical field experiences
• Qualified, experienced faculty
• Varied lab courses on the chemistry/biology interface

Is Biochemistry a career path for me?

Career Potential

• Biochemist
• Graduate study in varied life sciences
• Quality Assurance Manager

• University Research Assistant
• Food Inspector
• Medicine
• Medical Research

Career Settings

• Chemical and pharmaceutical manufacturers
• Research hospitals
• Food and beverage industries
• Government laboratories
• Public Health Service
• Food and Drug Administration

The biochemistry program is accredited by the American Society for Biochemistry and Molecular Biology (ASBMB). It is one of only eight certified programs in the Commonwealth and two in the State System. Students graduating with a B.S. in Biochemistry are well qualified to succeed on the national certification exam.

More detailed career information is available from the department.

Biochemistry B.S.

PROGRAM FEATURES

67 credits

Required courses:

CHEM 121  GN: General Chemistry I  3
CHEM 123  GN: General Chemistry I Lab  1
CHEM 124  GE: General Chemistry II  3
CHEM 126  GE: General Chemistry II Lab  1
CHEM 233  Organic Chemistry I  3
CHEM 234  Organic Chemistry II  3
CHEM 235  Organic Chemistry II Lab  1
CHEM 236  Organic Chemistry II Lab  1
CHEM 315  Biochemistry  3
CHEM 317  Biochemistry Laboratory  1
CHEM 350  Biochemical Energetics  3
CHEM 352  Biochemical Energetics Laboratory  1
CHEM 371  Analytical Chemistry I: Quantitative  4
CHEM 415  Proteins and Nucleic Acids  3
CHEM 417  Proteins and Nucleic Acids Laboratory  1
CHEM 419  Biochemistry II  3
CHEM 420  Biochemical Methods  3
CHEM 422  Biochemical Methods Laboratory  1
CHEM 495  Chemistry Seminar  1

7 credits (lab required) from:

BIOL 330  Microbiology  4
BIOL 340  Animal Physiology  4
BIOL 380  Cell Culture Techniques  2
BIOL 422  Plant Physiology  4
BIOL 439  Molecular Biology  3
BIOL 449  Cell Biology  3
BIOL 477  Molecular Biology Lab  1

Co-requisite courses:

BIOL 114  GN: Introductory Biology I  4
BIOL 331  Genetics  3
MATH 140  GN: Calculus I  4
MATH 141  GN: Calculus II  4

OR

PHYS 131  GN: Fundamental Physics I  4
PHYS 161  GN: Physics I  4
PHYS 132  GE: Fundamental Physics II  4  
OR  
PHYS 162  GE: Physics II  4  

Additional requirements:  
• Please see the university requirements in this catalog.  
• All 300 and 400 level courses required for the major must be complete at ESU, with the exception of courses taken as part of the Pharmacy Transfer Program.

4 YEAR CURRICULUM PROGRAM PLAN  
(Subject to change by the university without notice)  

Freshman Year Fall  
CHEM 121  GN: General Chemistry I  3  
CHEM 123  GN: General Chemistry I Lab  1  
MATH 140  GN: Calculus I  4  
BIOL 114  GN: Introductory Biology I  4  
FYE 100  University Studies  3  
Subtotal: 15  

Spring  
CHEM 124  GE: General Chemistry II  3  
CHEM 126  GE: General Chemistry II Lab  1  
MATH 141  GN: Calculus II  4  
OR  
MATH 110  GN: General Statistics  3  
ENGL 103  English Composition  3  
HPLW 105  Health Promotion and Lifetime Wellness  3  
Subtotal: 13-14  

Sophomore Year Fall  
CHEM 233  Organic Chemistry I  3  
CHEM 235  Organic Chemistry I Lab  1  
BIOL 331  Genetics  3  
GenEd ___  General Education Elective (Group C)  3  
GenEd ___  General Education Elective (Group A)  3  
XXXX ___  Free Elective  3  
Subtotal: 16  

Spring  
CHEM 234  Organic Chemistry II  3  
CHEM 236  Organic Chemistry II Lab  1  
PHYS 161  GN: Physics I  4  
GenEd ___  General Education Elective (Group A)  3  
GenEd ___  General Education Elective (Group C)  3  
Subtotal: 14  

Junior Year Fall  
CHEM 315  Biochemistry  3  
CHEM 317  Biochemistry Laboratory  1  
PHYS 162  GE: Physics II  4  
GenEd ___  General Education Elective (Group C)  3  
XXXX ___  Elective  4-5  
Subtotal: 15-16  

Spring  
CHEM 371  Analytical Chemistry I: Quantitative  4  
CHEM 350  Biochemical Energetics  3  
CHEM 352  Biochemical Energetics Laboratory  1  
BIOL ___  Biology Elective  4  
GenEd ___  General Education Elective (Group A)  3  
GenEd ___  General Education Elective (Group A)  3  
Subtotal: 16  

Senior Year Fall  
CHEM 353  Physical Chemistry I  4  
AND  
CHEM 354  Physical Chemistry II  4  
and seven credits from chemistry major courses.  

Note: A minimum quality point average of 2.0 in chemistry courses is required. A student majoring in a program offered by the Department of Chemistry cannot qualify for this minor.  
All 300 and 400 level courses required for the minor must be completed at ESU.

Chemistry Minor  
PROGRAM FEATURES  
23 credits  

Required courses:  
CHEM 121  GN: General Chemistry I  3  
CHEM 123  GN: General Chemistry I Lab  1  
CHEM 124  GE: General Chemistry II  3  
CHEM 126  GE: General Chemistry II Lab  1  
CHEM 233  Organic Chemistry I  3  
CHEM 234  Organic Chemistry II  3  
CHEM 235  Organic Chemistry I Lab  1  
CHEM 236  Organic Chemistry II Lab  1  
OR  
CHEM 353  Physical Chemistry I  4  
AND  
CHEM 354  Physical Chemistry II  4  
and seven credits from chemistry major courses.

Pharmacy Transfer Program  
Coordinator: Professor William M. Loffredo,  

Department of Chemistry and Biochemistry  
The pre-pharmacy student spends his/her first two to three years at ESU taking the necessary core courses in order to satisfy the professional school entrance requirements. These core courses and other co-requisites are unique for each professional school. The student applies to a pharmacy school as a transfer student. Students may indicate their intent to graduate with a Bachelor of Arts degree in chemistry from ESU before transferring to the pharmacy school of choice. Upon completion of their second professional year at pharmacy school, they can transfer these credits from the pharmacy school back to ESU in order to fulfill the remaining credits for the Bachelor of Arts degree. Students may also...
Chemistry and Biochemistry Faculty

Professors:
- Jon Gold (jgold@esu.edu)
- T. Michelle Jones-Wilson, Chair (mjwilson@esu.edu)
- Richard Kelly (rskelly@esu.edu)
- William Loffredo (wloffredo@esu.edu)

Assistant Professors:
- Rene' Fuanta (rfuanta@esu.edu)
- Steven Boyer (sboyer11@esu.edu)

CHEM - Chemistry and Biochemistry Courses

CHEM 100 - Chemical Problem Solving (1 credits)
This course is a review of the methods of obtaining and analyzing quantitative measurements with emphasis on the mass, energy, and chemical changes which occur during chemical reactions. It is intended primarily for students who require or desire additional work in solving chemical problems.

CHEM 101 - GN: Modern Chemical Science (3 credits)
This course develops concepts of modern chemistry as a natural consequence of scientific thought and advancement. The atom is followed from its creation to its chemical reactivities. Inorganic chemistry is the main emphasis. It is primarily intended for students who wish to satisfy a general education requirement in science but is also an excellent preparatory course for General Chemistry I and General Chemistry II. Distribution: GE: Natural Sciences-Chemistry (BCH). Corequisite: CHEM 115.

CHEM 104 - GN: Chemistry for the Consumer (3 credits)
This course is an introduction to the basic chemical principles that underlie the composition, applications, and safety of common consumer products and everyday materials. Among topics to be discussed are plastics, laundry products, personal-care products, fertilizers, pesticides, food additives, and electrochemical processes, and batteries. Distribution: GE: Natural Sciences-Chemistry (BCH). Corequisite: CHEM 115.

CHEM 106 - GN: Fingerprinting the Elements (3 credits)
The periodic table will be used to introduce the descriptive chemistry of the elements. Periodic trends in chemical reactivity and physical properties provide the basis for predicting the inorganic behavior of an element. Computer software assignments are used to clarify periodic trends. Distribution: GE: Natural Sciences-Chemistry (BCH). Corequisite: CHEM 115.

CHEM 108 - GN: Environmental Chemistry (3 credits)
This course is an introduction to basic chemical principles that are used as the basis for discussion of environmental issues. Among the topics included are air and water pollution, waste disposal, food additives, and pesticides. Distribution: GE: Natural Sciences-Chemistry (BCH). Corequisite: CHEM 115.

CHEM 111 - GN: Chemical Basis of Matter (3 credits)
The fundamental concepts relating to matter, its properties, composition, structure, and reactions are presented. The student is introduced to the chemical elements, the periodic table, inorganic nomenclature, atomic theory and structure, chemical reactions and equilibria, solution chemistry, and nuclear chemistry. Applications to the health sciences of the principles presented will be emphasized. This course may be useful in preparation for CHEM 121. Some algebraic experience is desirable. Distribution: GE: Natural Sciences-Chemistry (BCH). Corequisite: CHEM 115.

CHEM 115 - GN: Chemistry, Molecules and Life (3 credits)
This course introduces the student to the principles and concepts of general, organic and biological chemistry and their applications to health-related issues. Intermolecular forces, acid-base theory, chemical reaction and equilibrium, and structural properties are used to explain metabolism, function, and causes of physiological changes at the molecular level. Distribution: GE: Natural Sciences-Chemistry (BCH). Corequisite: CHEM 115.

CHEM 117 - GN: Chemical Basis of Life Laboratory (1 credit)
This course is a compilation of laboratory experiences designed to introduce the student to basic experimental techniques and investigations in general, organic, and biological chemistry. Emphasis is given to the physical methods used to synthesize, purify, and identify various chemical compounds. Prerequisite OR co-requisite: CHEM 115. Distribution: GE: Natural Sciences-Chemistry (BCH). Corequisite: CHEM 115.

CHEM 121 - GN: General Chemistry I (3 credits)
This course presents language, principles, and applications of chemistry at a level designed for students majoring in the sciences. Topics include measurement, periodicity, stoichiometry, thermochemistry, atomic and electronic structure, bonding, and states of matter. Distribution: GE: Natural Sciences-Chemistry (BCH). Prerequisite: MATH 090; Concurrent registration in CHEM 123 is required.

CHEM 123 - GN: General Chemistry I Lab (1 credit)
This course offers students an opportunity to safely observe and measure chemical changes. Written work emphasizes data treatment and logical interpretation. Principles include density, stoichiometry, atomic structure, and gas laws. Techniques include volumetric, gravimetric, and spectroscopic measurements. Distribution: GE: Natural Sciences-Chemistry (BCH). Corequisite: Concurrent registration in CHEM 121 is required.

CHEM 124 - GE: General Chemistry II Lab (1 credit)
This course introduces students to more sophisticated measurement tools such as spectrophotometers, pH meters, precision thermometers, voltmeters, ammeters, and computers. Experiments focus on principles studied in CHEM 124. Distribution: GE: Natural Sciences-Chemistry. Prerequisite: CHEM 121 AND CHEM 123 AND Concurrent registration in CHEM 126 is required.

CHEM 126 - GE: General Chemistry II Lab (1 credit)
This course introduces students to more sophisticated measurement tools such as spectrophotometers, pH meters, precision thermometers, voltmeters, ammeters, and computers. Experiments focus on principles studied in CHEM 124. Distribution: GE: Natural Sciences-Chemistry. Prerequisite: CHEM 121 AND CHEM 123 AND Concurrent registration in CHEM 124 is required.

CHEM 127 - General Chemistry I Problem Solving (1 credits)
This course will provide systematic, step-by-step approaches to problem solving in general chemistry, with emphasis on the factor label method as it is applied to stoichiometry, solution concentration terms, and thermochemistry. It is intended primarily for students who require or desire additional work in solving general chemistry problems. Prerequisite: Concurrent registration in CHEM 121 is required.
CHEM 236 - Organic Chemistry II Lab (1 credit)
This course is a continuation of CHEM 127, General Chemistry I Problem Solving. Concurrent registration in CHEM 124, General Chemistry II, is required.
Prerequisite: CHEM 121 AND CHEM 123. Corequisite: CHEM 124.

CHEM 237 - Organic Chemistry I Problem Solving (1 credits)
This course will present approaches to and the methods of problem solving in organic chemistry while utilizing the unifying theories of mechanism that are based upon classical and contemporary bond theories. It is intended primarily for students who require or desire additional work in solving organic chemistry problems.
Distribution: Advanced. Prerequisite: Concurrent registration in CHEM 233.

CHEM 238 - Organic Chemistry II Problem Solving (1 credits)
This course is a continuation of CHEM 237, Organic Chemistry I Problem Solving. Concurrent registration in CHEM 234, Organic Chemistry II is required.
Distribution: Advanced. Prerequisite: CHEM 237 AND Concurrent registration in CHEM 234.

CHEM 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.
Distribution: Advanced.

CHEM 315 - Biochemistry (3 credits)
This course is an introduction to the chemistry of living systems. Topics discussed include the chemistry of aqueous solutions; pH and buffer systems; the structure, functions and interactions of biomolecules; theories of ligand binding catalysis; the chemical reactions and regulation of major metabolic pathways; and introductory bioenergetics.
Distribution: Advanced. Prerequisite: CHEM 234, CHEM 236.

CHEM 317 - Biochemistry Laboratory (1 credit)
A series of experiments designed to introduce the techniques and instrumentation of biochemistry will be utilized in investigating biomolecules and biochemical processes. Statistical methods for data analysis and interpretation of data published in biochemical journals will be integral components of this course.
Distribution: Advanced. Prerequisite: CHEM 234 AND CHEM 236 AND CHEM 315 Concurrent or completed. Corequisite: CHEM315.

CHEM 352 - Biochemical Energetics Laboratory (1 credit)
Students will perform experiments that will investigate the energetics of biomolecules, bimolecular structural changes and bimolecular reactions. Experiments utilized will investigate solution partition, solvation, enzyme kinetics, enzyme inhibition, energetics of protein unfolding and ligand binding. Examples of techniques to be used include absorption and fluorescence spectroscopy, centrifugation, electrophoresis, blotting, and equilibrium dialysis. Emphasis will be placed on standard laboratory calculations, solution preparation, experimental design and record keeping. Critical evaluation and statistical analysis of data are stressed.
Distribution: Advanced. Prerequisite: CHEM 315 AND MATH 140 AND PHYS 131 OR PHYS 161.

CHEM 375 - GN: Chemical Aspects of Drug and Alcohol Abuse (3 credits)
This course is an introduction to the chemical aspects of alcohol and other drugs of abuse with emphasis on the pharmacological and physiological effects on the human organism.
Distribution: GE: Natural Sciences-Chemistry Advanced GN: Group B - Chemistry (BCH). Prerequisite: CHEM 111 OR CHEM 115 OR CHEM 121.

CHEM 380 - Physical Chemistry II (4 credits)
This course is an introduction to theoretical physical chemistry including classical thermodynamics, statistical thermodynamics, and equilibrium. The use of computer techniques in the solving of problems and the treatment of laboratory data is an integral part of the course.
Distribution: Advanced. Prerequisite: CHEM 124, CHEM 126,PHYS 162; MATH 141; CPSC 101.
CHEM 373 - Environmental Quality: The Chemical Approach (4 credits)
This course deals with the chemical aspects of environmental quality. Emphasis is placed on the identification, chemical characterization, and controls of pollutants. Topics include air, water, pesticides, food additives, heavy metals, and solid waste.
Distribution: Advanced. Prerequisite: CHEM 353 AND CHEM 371.

CHEM 385 - Chemical Literature and Documentation (1 credit)
This course is a study of the various classes of chemical literature, techniques of searching the literature, and the proper documentation of experimental observations and literature references.
Distribution: Advanced. Prerequisite: CHEM 234.

CHEM 402 - Contemporary Topics in Sciences (3 credits)
This course deals with the nature and theoretical bases of recent noteworthy advances in science. Interdisciplinary in design, the course draws its content from the various disciplines of natural science. Emphasis is placed upon topics being reported upon in professional journals. This course is also listed as PHYS 402.
Distribution: Advanced. Prerequisite: CHEM 353 AND CHEM 354 AND Permission of instructor.

CHEM 412 - Contemporary Topics in Biochemistry (3 credits)
Topics presented in this course will cover a variety of advanced areas of biochemistry. Typically in one semester, the course will focus either on enzymes and regulation and integration of metabolism, or nucleic acids and recombinant DNA technology. Current journal articles will be used to supplement the textbook and provide the basis for discussions. The choice of focus and inclusion of other special topics will be determined by the needs of the students enrolled.
Distribution: Advanced. Prerequisite: Corequisite or prerequisite: CHEM 315 AND CHEM 317 AND CHEM 350 OR CHEM 353.

CHEM 415 - Proteins and Nucleic Acids (3 credits)
This course will elaborate on both protein and nucleic acid synthesis, structural features and biological functions. Students will be introduced to correlations between structure and function for proteins and nucleic acids. Topics covered include organic and biosynthesis of proteins and nucleic acids, the various levels of protein and nucleic acid structure and the correlation of structure to function.
Distribution: Advanced. Prerequisite: CHEM 315 AND CHEM 317.

CHEM 417 - Proteins and Nucleic Acids Laboratory (1 credits)
This laboratory focuses on laboratory protocols for the purification, quantification, and analysis of protein and nucleic acid structures and functions used in industry and research. Emphasis will be placed on record keeping, critical evaluation of data and experimental design and written and oral presentation of experimental results.
Distribution: Advanced. Prerequisite: Concurrent registration in CHEM 415 is required.

CHEM 418 - Molecular Toxicity (3 credits)
This course introduces students to the fields of toxicity and risk assessment. Emphasis will be on the molecular basis of toxicity and the biochemical impact of exposure to toxic agents.
Distribution: Advanced. Prerequisite: CHEM 234 AND CHEM 236 AND CHEM 315.

CHEM 419 - Biochemistry II (3 credits)
This course explores the molecular logic of metabolism and protein synthesis and discusses how organic molecules function in biochemical processes and pathways. Biosynthetic reactions, the roles of cofactors and coenzymes, enzyme active sites, transcription and translation, regulation, advanced bioenergetics, and structure and patterns common to all biochemical transformations are explored and discussed.
Distribution: Advanced. Prerequisite: CHEM 315 AND CHEM 317.

CHEM 420 - Biochemical Methods (3 credits)
This lecture serves as an introduction to the methods commonly used in the separation, analysis and characterization of biomolecules. The theory and practice of electrophoresis, sedimentation, chromatography, absorption and emission spectroscopy, NMR and mass spectrometry, isotopic labeling, x-ray spectroscopy will be emphasized.
Distribution: Advanced. Prerequisite: CHEM 315 AND CHEM 317.

CHEM 422 - Biochemical Methods Laboratory (1 credit)
This laboratory serves to illustrate the content presented in CHEM 420 Biochemical Methods. Experiments focus on methods commonly used in the separation, analysis and characterization of biomolecules and cellular structures including electrophoresis, sedimentation, dialysis, filtration, chromatography, absorption and emission spectroscopy, NMR and mass spectrometry. Emphasis will be placed on standard laboratory calculations, record keeping, critical and statistical evaluation of data and experimental design and written and oral presentation of experimental results.
Distribution: Advanced. Prerequisite: CHEM 315, CHEM 317 AND Concurrent enrollment in CHEM 420.

CHEM 433 - Organic Chemistry III (3 credits)
A study of the theoretical and practical aspects of the reactions, mechanisms and stereochemistry of organic compounds.
Distribution: Advanced. Prerequisite: CHEM 234 AND CHEM 236 AND CHEM 354.

CHEM 436 - Medicinal Chemistry (3 credits)
This course is a survey of the various classes of pharmacological agents being utilized in the treatment of various disorders. Included are considerations of mode of action, design and synthesis, and current efforts in the field of development of new drugs.
Distribution: Advanced. Prerequisite: CHEM 234 AND CHEM 236 AND CHEM 353 or permission of the instructor.

CHEM 441 - Inorganic Chemistry I (3 credits)
This course is a study of the periodic properties and descriptive chemistry of the chemical elements and their inorganic compounds, ionic solids, equilibria in aqueous and nonaqueous systems, and acid-base concepts.
Distribution: Advanced. Prerequisite: CHEM 315, CHEM 317 AND CHEM 353 or permission of the instructor.

CHEM 442 - Inorganic Chemistry II (3 credits)
This course is a continuation of CHEM 441 with emphasis on a study of the theories of bonding, structure, and reactivities of inorganic, coordination, and organometallic compounds. The magnetic and spectroscopic properties of coordination compounds and the descriptive chemistry of selected group elements will also be discussed.
Distribution: Advanced. Prerequisite: CHEM 345 AND CHEM 441.

CHEM 452 - Introduction to Computational Chemistry and Molecular Modeling (3 credits)
This course is a study of selected topics in theoretical chemistry including quantum mechanics, group theory and symmetry, and molecular orbital theory. The use of computer programs in the illustrations of chemical principles will be emphasized.
Distribution: Advanced. Prerequisite: CHEM 353 AND CHEM 354.

CHEM 460 - Advanced Chemistry Laboratory (2 credits)
This course is designed to expose students to various experimental techniques needed to conduct chemical research. The course integrates
synthesis, separation, purification, analysis, and characterization techniques. Instrumental techniques used include UV-VIS, FT-IR, FT-NMR, spectroscopy, HPLC, GC-MS various optical methods used for characterizing organic and inorganic compounds.

Distribution: Advanced. Prerequisite: CHEM 372 AND CHEM 433 AND CHEM 442 (or concurrent).

**CHEM 461 - Polymer Chemistry (3 credits)**

The basic concepts of polymer chemistry are introduced in this course. Topics included will be the mechanisms and kinetics of polymerization, the synthesis of polymers, and the relationships between molecular structure, conformation, and morphology of polymers and their chemical and physical properties.

Distribution: Advanced. Prerequisite: CHEM 372 AND CHEM 433 AND CHEM 442.

**CHEM 485 - Independent Study (1 - 6 credits)**

This course is an experimental investigation selected by the student in consultation with a knowledgeable faculty member. The proposed independent study must be submitted to the department for approval. The faculty member supervising the independent study must provide a minimum of five (5) hours of time per credit hour upon request of the student.

Distribution: Advanced. Prerequisite: CHEM 234 AND CHEM 236 AND CHEM 354.

**CHEM 486 - Field Experience & Internship (1 - 12 credits)**

This experience is taken upon the initiative of a student who seeks to study with a knowledgeable faculty member in order to deepen a specific interest in a particular academic discipline. Independent study is a process through which a student either sharply increases his/her already advanced knowledge of a subject matter or increases his/her appreciation about an academic discipline that is correlative with a student’s advanced knowledge of a subject. The proposed independent study must be submitted to the department for approval. The faculty member supervising the independent study must provide a minimum of five (5) hours of time per credit hour upon request of the student.

Distribution: Advanced. Prerequisite: CHEM 123 AND CHEM 124.

**CHEM 493 - Research In Chemistry (3 credits)**

This course is an experimental investigation selected by the student in consultation with a member of the faculty and carried out under the faculty member’s guidance. Prerequisites: Senior standing and permission of the department.

Distribution: Advanced.

**CHEM 495 - Chemistry Seminar (1 credit)**

This course is a series of lectures and discussions on chemical topics by faculty, visitors, and students; each registered student is required to give a seminar during the semester.

Distribution: Advanced | Level III Writing (W3). Prerequisite: CHEM 236 AND CHEM 385.

**CHEM 499 - Student Teaching Internships (1 credit)**

This course is designed to provide the student with an opportunity to work with a faculty member in the student’s primary Arts and Sciences discipline during the student teaching experience. The course will enhance the student’s ability to understand and maximize the relationship between disciplinary subject matter and pedagogy.

Distribution: Advanced. Prerequisite: Concurrent registration in PSED 430 OR PSED 431.

---

**Communication**

**College of Arts and Sciences**

**The Faculty of Arts and Letters**

Fine and Performing Arts Center, Room 202

570-422-3759

www.esu.edu/cmst

---

**About the Program**

The mission of the Department of Communication is to prepare students for civic participation in an increasingly complex world that requires sophisticated practical, critical, and theoretical understandings of human communication.

The department offers coursework and degree programs that focus on the history, theory, and critical evaluation of human and mediated communication.

Communication majors secure employment in a variety of fields after graduation including journalism, sales, advertising, public relations, media development, community advocates and broadcasting.

Some graduates pursue advanced degrees at the masters or doctoral level. The department offers a Minor in Communication to students majoring in other disciplines.

Four concentrations are available to students majoring in Communication: Broadcasting, Media Studies, Public Communication and Advocacy, Public Relations. Students may also choose to minor in Communication. Students may also take a double concentration.

---

**Is communication a career path for me?**

**Career Potential**

- Public relations specialist
- Advertising executive
- Media developer
- Broadcaster
- Journalist
- Speech writer
- Public affairs specialist
- Government official
- Media critic
- Sales representative
- Community Advocate
- Social Media Specialist

---

**Are you interested in...**

- Communicating persuasively
- Gathering information, preparing stories and informing the public
- Becoming a public figure

---

**Choose Communication at ESU**

- Theoretical and critical analyses
- Practical field experiences
- Student clubs
- Qualified, experienced faculty
- Frequent faculty interactions

---

**Internship Opportunities**

- The Communication Department’s Internship Program is designed to provide students with real-life working experiences related to the field of communication.
- Internships are considered essential in the areas of Broadcasting and Public Relations, but are also helpful in the areas of Media Studies and Speech Communication

---

**Student Clubs**

- WESS Radio (90.3 FM), MTV Winner as "best college radio station in the country"
- PRSSA Chapter (Public Relations Student Society of America)
Communication B.A.

PROGRAM FEATURES

39 credits
All CMST students must complete the Core Curriculum and at least one Concentration and the required courses from four different Concentrations (students may also double up two Concentrations).

Core Curriculum:
(18 credits)
CMST 111  GN: Introduction to Communication  3
CMST 126  GN: Introduction to Mass Media  3
CMST 250  Analysis of Communication Theory  3
CMST 310  Intercultural Communication  3
CMST 365  Communication Research  3
CMST 495  Seminar in Communication Studies  3

Concentration I: Broadcasting:
21 credits
This concentration provides hands-on training and operational procedures for radio, television and web distribution of content.
CMST 219  Radio Practicum  1.5
OR
DMET 210  Television: Studio Production  3
CMST 229  Broadcast Journalism  3
CMST 315  Voice For Broadcasting  3
CMST 410  Comparative Media  3
OR
CMST 440  Ethical and Legal Issues in Broadcasting  3
OR
CMST 445  Mass Media & Communication Ethics  3
CMST 486  Field Experience & Internship  1 - 18
Note: CMST 219 (taken twice for a total of three credits) OR DMET 210 and six semester hours of any CMST courses at the 300/400 level.

Concentration II: Media Studies:
21 credits
This concentration critically analyzes media to understand how our beliefs and actions are influenced.
CMST 136  GN: Introduction to Popular Culture  3
CMST 163  GN: Introduction to Film Study  3
CMST 348  GE: Media Criticism  3
CMST 367  Advertising and Propaganda  3
and nine semester hours of any CMST courses at the 300/400 level.

Concentration III: Public Communication and Advocacy
21 credits
This concentration offers preparation to publicly advocate for organizations with a civic mission.
CMST 253  GN: Public Speaking  3
CMST 329  GN: Rhetorical Perspectives  3
Choose one of the following:
CMST 220  GN: WS: Gender Differences and Human Communication  3
CMST 230  GE: Small Group Communication  3
CMST 235  GN: Interpersonal Communication  3
and nine semester hours of any CMST courses at the 300/400 level.
Plus choose one of the following:
CMST 331  GE: Advanced Public Speaking  3
CMST 333  GN: Argumentation and Advocacy  3
CMST 363  GE: Psychology Of Speech  3
and nine semester hours of any CMST courses at the 300/400 level.

Concentration IV: Public Relations:
21 credits
This concentration offers preparation to formulate effective principles of public relations to interface with a variety of public through a variety of media.
ENGL 205  Workplace Writing  3
OR
ENGL 215  News Reporting and Writing  3
CMST 255  Introduction to Public Relations  3
ENGL 305  Professional Writing: Public Relations  3
CMST 355  Public Relations Theory  3
and nine semester hours of any CMST courses at the 300/400 level.
(with no more than three semester hours chosen outside CMST).

Six semester hours of any CMST courses at the 300/400 level and three semester hours from any of the ENGL courses below:
ENGL 306  Professional Writing: Advertising  3
ENGL 307  Professional Writing: Website Writing and Design  3
ENGL 315  Multimedia Journalism  3
ENGL 317  Reviewing The Arts  3
ENGL 319  Writing Creative Non-Fiction  3
ENGL 320  Electronic Creative Writing  3

Residency Requirement:
The student will take at least 18 credits in the major at East Stroudsburg University.

Additional requirements:
• Please see the university requirements in this catalog. (p. 44)

4 YEAR CURRICULUM PROGRAM PLAN
(Subject to change by the university without notice)
Freshman Year
Fall
CMST 111  GN: Introduction to Communication  3
OR
CMST 126  GN: Introduction to Mass Media  3
ENGL 103  English Composition  3
GN:  General Education Elective - Natural Science  3
GN:  General Education Elective - Social Science  3
Subtotal: 15

Spring
CMST 111  GN: Introduction to Communication  3
OR
CMST 126  GN: Introduction to Mass Media  3
GenEd  General Education Elective - Humanities #3  3
GN:  General Education Elective - Natural Science  3
GN:  General Education Elective - Social Science  3
Subtotal: 15

More detailed career information is available from the department and from the department website: www.esu.edu/cmst.

4 YEAR CURRICULUM PROGRAM PLAN

Freshman Year
Fall
CMST 111  GN: Introduction to Communication  3
OR
CMST 126  GN: Introduction to Mass Media  3
ENGL 103  English Composition  3
GN:  General Education Elective - Natural Science  3
GN:  General Education Elective - Social Science  3
Subtotal: 15

Spring
CMST 111  GN: Introduction to Communication  3
OR
CMST 126  GN: Introduction to Mass Media  3
GenEd  General Education Elective - Humanities #3  3
GN:  General Education Elective - Natural Science  3
GN:  General Education Elective - Social Science  3
Subtotal: 15

More detailed career information is available from the department and from the department website: www.esu.edu/cmst.
### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 250</td>
<td>Analysis of Communication Theory</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Required Course in CMST Track</td>
<td>3</td>
</tr>
<tr>
<td>GN:____</td>
<td>General Education Elective - Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>GenEd____</td>
<td>General Education Elective - Humanities #3</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 310</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Required Course in CMST Track</td>
<td>3</td>
</tr>
<tr>
<td>GN:____</td>
<td>General Education Elective - Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>GN:____</td>
<td>General Education Elective - Social Science</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Fitness Courses(s)</td>
<td>2</td>
</tr>
</tbody>
</table>

Subtotal: 15

### Junior Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 365</td>
<td>Communication Research</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>300-400 Track Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Required Course in CMST Track</td>
<td>3</td>
</tr>
<tr>
<td>GN:____</td>
<td>General Education Elective - Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>GN:____</td>
<td>General Education Elective - Social Science</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 17

### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 365</td>
<td>Communication Research</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>300-400 Track Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Required Course in CMST Track</td>
<td>3</td>
</tr>
<tr>
<td>GenEd____</td>
<td>General Education Elective - Humanities #3</td>
<td>3</td>
</tr>
<tr>
<td>GN:____</td>
<td>General Education Elective - Social Science</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

### Senior Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 495</td>
<td>Seminar in Communication Studies</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>300-400 level Track Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>300-400 level Track Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 495</td>
<td>Seminar in Communication Studies</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>300-400 level Track Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>300-400 level Track Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

For more information, contact the department at 570-422-3694 or visit www.esu.edu/cmst.

---

### Accelerated Pathway from B.A. in Communication to M.A. in Communication

**Accelerated Pathway:** Communication students may join the accelerated pathway through the Bachelor of Arts (BA) in Communication to Master of Arts (MA) in Communication. This accelerated pathway allows qualified undergraduate students to take up to nine (9) graduate credits of coursework that will apply to both the undergraduate and graduate degrees.

To qualify for the Communication accelerated pathway a student must have earned at least ninety (90) undergraduate credits and have an overall GPA of 3.00 or a GPA of 3.00 within the major. Students will need to obtain the approval of the Communication Department Chair and the Communication graduate program coordinator to participate in the accelerated pathway.

**Additional Requirement:** A student must have obtained a grade of “B” or higher in the graduate course in order for it to count towards the graduate degree program, while a grade of “C” or higher is necessary in order for it to count towards the undergraduate degree program.

### Communication Minor

18 credits

**PROGRAM FEATURES**

The 18-credit Communication Minor is flexible to the student’s needs. Three courses are required: CMST 111 Introduction to Communication, CMST 126 Introduction to Mass Media, and CMST 250 Analysis of Communication Theory. The remaining three courses allow the student to take some preliminary coursework in one of the department’s four concentrations: Broadcasting, Media Studies, Public Relations, or Public Communication and Advocacy. This minor offers other majors the opportunity to gain fundamental communication concepts and skills in one of the concentrations above.

**Required Courses**

- CMST 111 GN: Introduction to Communication (3 credits)
- CMST 126 GN: Introduction to Mass Media (3 credits)
- CMST 250 Analysis of Communication Theory (3 credits)

and nine credits of CMST coursework (at least 6 credits at the 300-400 level). Selection of these courses is done after consultation with a Communication faculty member.

### Communication Faculty

**Professors:**

- Paul Lippert (plippert@esu.edu)
- Andrea McClanahan (amclanahan@esu.edu)
- Robert McKenzie, Chair (mckenzie@esu.edu)
- Charles Warner (cwarner@esu.edu)
- Wenjie Yan (wyan@esu.edu)
- Cem Zeytinoglu (czeytinoglu@esu.edu)

**Assistant Professors:**

- Sarah Everett
- Margaret Mullan (mmullan@esu.edu)
- Kristopher R. Weeks (kweeks3@esu.edu)

### CMST - Communication Courses

**CMST 111 - GN: Introduction to Communication (3 credits)**

This course includes an introduction to the study and application of some principles of dyadic communication, small group interaction, and public speaking, in addition to listening skills.

CMST 126 - GN: Introduction to Mass Media (3 credits)
This course is a survey of the defining characteristics and histories of each of the media in mass communication. The focal point in each media is the relationship of the mass media to society.

CMST 136 - GN: Introduction to Popular Culture (3 credits)
This course affords the student an opportunity to systematically examine popular culture, the cultural environment in which virtually all Americans have lived during the twentieth and twenty-first centuries. Emphasis is placed upon the study of popular artifacts, arts, and rituals as communicators of cultural belief.

CMST 163 - GN: Introduction to Film Study (3 credits)
This course is designed to provide students with an understanding of the elements necessary for film analysis toward a development of an appreciation for film as art. Representative films are screened in order to study the impact of the art form on modern society and on the individual.

CMST 219 - Radio Practicum (1.5 credits)
This course introduces students to basic operations of a radio station. Students will learn practical skills in policies, strategies, and broadcasting techniques of radio stations. The course may be repeated for a maximum of 3 credits. (Pass/Fail course.)

CMST 220 - GN: WS: Gender Differences and Human Communication (3 credits)
This course is designed to examine the ways in which women and men communicate differently in interpersonal, work, and family settings and to discuss ways in which both men and women can improve communication and reduce conflict.
Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Art (APA) | Global Diversity & Citizenship (G) | Communication (C) | Advanced. Prerequisite: CMST111 or CMST126, and ENGL 103.

CMST 229 - Broadcast Journalism (3 credits)
Radio and television are studied as media for news and information. Included are basic principles of newscasting, on-the-spot coverage, editing, writing, and delivery of news; use of wire copy; news policy and censorship codes; and theory and practice in station news operations.
Prerequisite: CMST126.

CMST 230 - GE: Small Group Communication (3 credits)
This course not only teaches skills useful for effective group interaction but also explores theories that describe and explain group dynamics in various contexts. Topics covered in this course typically include: 1) general systems theory; 2) analysis of group interaction; 3) group cohesion enhancing techniques; 4) critical and creative problem solving skills; 5) leadership skills; and 6) conflict management.
Distribution: GE: Humanities-Performing Arts, Advanced. Prerequisite: CMST111 and ENGL 103.

CMST 235 - GN: Interpersonal Communication (3 credits)
This course introduces the processes and functions of communication in two-person and familial contexts. Emphasis is placed on the different types of interpersonal communication occurring in romantic relationships, friendships, and family relationships to help students improve their abilities as communicators throughout their daily interpersonal interactions.
Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Communication (C) | Advanced (ADVD). Prerequisite: CMST 111 or CMST 126; and ENGL 103.

CMST 250 - Analysis of Communication Theory (3 credits)
This course analyzes the dominant theories of human interaction, both general theories and those specific to particular contexts.
Distribution: Advanced (ADVD). Prerequisite: CMST111 or CMST126, and ENGL 103, and completion of at least 30 credit hours.

CMST 253 - GN: Public Speaking (3 credits)
This course deals with instruction and practice in selecting, analyzing, arranging, and delivering material for different types of public speeches; consideration of various methods of appeal; rhetorical devices; selected speeches; audience analysis and principles of criticism.

CMST 255 - Introduction to Public Relations (3 credits)
This course will acquaint students with introductory concepts pertaining to public relations and communication in the public sphere. The course will emphasize the significance of public communication in a democracy and encourage critical thinking regarding the issues, functions, contributions, and theories of public relations. The course will provide a forum for student discussion of and engagement with both theoretical and practical aspects of public relations via its civic, corporate, and legal components within a historical context.
Prerequisite: CMST126.

CMST 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

CMST 307 - GE: Art and History of Film (3 credits)
This course studies the historical and aesthetic developments of the cinema, emphasizing the aesthetic aspects of film in an attempt to develop critical standards through surveying the methods and problems of film. Narrative, non-narrative, fictional, and documentary films are screened and discussed.
Distribution: GE: Humanities - Fine Arts | Level II Writing (W2) | Advanced. Prerequisite: CMST 126, CMST 163, ENGL 103.

CMST 310 - Intercultural Communication (3 credits)
Intercultural Communication is communication between persons who share different patterns of thoughts (attitudes, beliefs, values, and opinions) and behaviors. This course will deal with communication between men and women, black and white, young and old, straights and gays, students and teachers, and other subcultures in conflict.
Distribution: Advanced. Prerequisite: CMST111 or CMST126.

CMST 315 - Voice For Broadcasting (3 credits)
This course reviews the variables of the voice and their development as they pertain to the medium of radio and television. Students are given the opportunity to study and practice projecting their personalities through their vocal skills for broadcasting news, sports, interviewing, and other forms of public speech.
Distribution: Advanced. Prerequisite: CMST 111 or CMST 126; and CMST 229.

CMST 322 - Persuasion in Public Communication (3 credits)
This course is designed to provide the students with the fundamental knowledge of how persuasion works and also to teach them how to create...
CMST 350 - Organizational Communication (3 credits)
This course teaches theories that describe and explain the roles and functions of human communication within an organization. Communication is examined from such perspectives as human relations theory, system theory, theory of organizational culture and critical theory. In addition, this course links theory with practice by engaging students in observing and studying communication practices in actual organizational settings.
Distribution: Advanced. Prerequisite: CMST111.

CMST 353 - GE: Advanced Public Speaking (3 credits)
Advanced Public Speaking builds upon a student's general knowledge of communication gained in Public Speaking. The course enables a student to gain more experience in composing, delivering, and criticizing public speeches. Students will refine techniques in their delivery in various modes of public speaking. Attendance requirement will be enforced.
Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: CMST253.

CMST 355 - Public Relations Theory (3 credits)
This course will examine significant public relations and communication theories. Students will explore the work of key scholars in order to understand the current state of public relations theory. Public Relations Theory will also investigate the history of public relations as a field. The course is designed to help students look critically at the foundations, implications, and consequences of public relations theory.
Distribution: Advanced. Prerequisite: CMST255.

CMST 356 - Public Relations Cases and Strategies (3 credits)
This course exposes students to the best practices for public relations campaigns as recognized by the professionals in the field of public relations and the Public Relations Society of America (PRSA). Using a strategic communications model, students will examine different public relations cases by applying criteria based on objectives, research and audience analysis, organizational values, and creative tactics.
Distribution: Advanced. Prerequisite: CMST126, CMST 250, CMST 255.

CMST 357 - History of Public Relations (3 credits)
This course critically examines the origins and history of public relations theory, principles and professional practice. Students will study the historical nature and role of public relations, the history and development of the field, and the societal forces affecting the profession and its practice. Course content includes the bases of the socio-political legitimacy and ethical justification of public relations in a free and democratic society.
Distribution: Advanced. Prerequisite: CMST126, CMST 250, CMST 255.

CMST 363 - GE: Psychology Of Speech (3 credits)
This course is a study of the secondary variables that influence communicational interaction. Emphasis is placed upon developing a concept of communicational context, situation, and circumstance, as well as developing skills of interpreting the unspoken messages which underlie communicational transactions.
Distribution: Level II Writing (W2) | Advanced (ADVD) | GE: Humanities - Fine Arts. Prerequisite: CMST 111, CMST 250, ENGL 103.

CMST 364 - GE: Studies in Television Genre (3 credits)
This course examines a variety of television genres, allowing the student to develop an understanding of the nature of American formulaic television through critical analysis of programming. Accepted for general education.
Distribution: GE: Humanities - Fine Arts | Advanced (ADVD). Prerequisite: CMST126, CMST 136, ENGL 103.
CMST 365 - Communication Research (3 credits)
This course will familiarize the student with the vast array of methods employed in the field of mass communication research and to provide him/her with a basic fluency in each of these methods. Distribution: Information Literacy/Technology (I) Advanced. Prerequisite: CMST111 OR CMST126 AND CMST222 OR CMST250 and completion of 60 credits.

CMST 367 - Advertising and Propaganda (3 credits)
This course will provide an introduction to the special type of persuasive communication that characterizes both advertising and other forms of propaganda. Advertising, other forms of sociological propaganda, and political propaganda will be studied in terms of their relation to society, their techniques, and the ethical issues that they raise. Distribution: Level Writing (W2) Advanced (ADVD). Prerequisite: CMST 126, CMST 250, ENGL 103.

CMST 370 - Film Genres (3 credits)
These courses will analyze significant films of either one or two genres in an attempt to define the characteristics of each genre and understand their cultural meaning. Readings will focus on the genres’ historical development with emphasis on their relation to the social currents of the times. Representative films will be screened. Selected genres will vary with each offering of the course. Genres studied will include: the comedy film, the science fiction film, the musical film, the documentary film, the film noir, and the horror film. Distribution: Level II Writing (W2) Advanced (ADVD). Prerequisite: CMST 126, CMST 163, ENGL 103.

CMST 410 - Comparative Media (3 credits)
This course will expose students to media from around the world. Students will learn how to compare media content, formats, systems, and ownership structures in an effort to better understand underlying assumptions that help shape our perceptions of the world. Distribution: Advanced. Prerequisite: CMST126 AND CMST310.

CMST 415 - Genres Of Rhetoric (3 credits)
This course will examine one or two rhetorical genres to define the characteristics of each and understand its nature, meaning, and influence within a particular cultural movement. Students will apply classical and contemporary rhetorical theories to genres such as presidential, war, feminist, and environmental rhetoric. Representative examples of speeches, letters, essays, advertisements, and demonstrations will be analyzed. Distribution: Level III Writing (W3) Advanced (ADVD). Prerequisite: CMST 111, CMST 329, and one of the following: ENGL 203, CMST 307, CMST 342, CMST 348, CMST 363, CMST 367, CMST 370, CMST 441, CMST 445.

CMST 429 - Criticism of Rhetoric and Public Address (3 credits)
This course is designed to develop and enhance the student’s critical response to rhetorical discourse in the area of public address. The course includes a survey of rhetorical theory and opportunity to evaluate critically examples of rhetorical discourse from these various theoretical points of view. Distribution: Level III Writing (W3) Advanced (ADVD). Prerequisite: CMST 111, CMST 329, ENGL 203.

CMST 440 - Ethical and Legal Issues in Broadcasting (3 credits)
This course will cover ethical and legal issues that confront broadcasters in their daily routine. Topics include programming decisions, FCC regulation, community standards, personnel management and precedent-setting court cases. Distribution: Advanced. Prerequisite: CMST126 OR CMST 229; PHIL110 OR PHIL231.
The department has an active chapter of the National Student Speech-Language-Hearing Association. We also have a Sign Language Club and a chapter of Autism SpeaksU. Student members participate in many service learning activities, including visiting local nursing homes, doing projects with the Mekeel Child Care Center on campus and participating in some social events as well.

**Communication Sciences and Disorders B.S.**

### Academic Criteria

- All incoming students (freshmen, transfers, etc.) must meet with the department chair to set up their education plan leading to admission into the clinical portion of the SPPA program.
- All transfer students, both ESU and other institutions, must have a 3.0 cumulative quality point average to declare SPPA as their major. Transfer students will work with the department chair on an individual basis to set up education plans that can be completed in a timely manner.
- Students are required to maintain a minimum 3.0 overall GPA and major (SPPA) GPA to remain in the major. Any students falling below a 3.0 will receive a warning letter. After two semesters below the 3.0, the student will be dismissed from the major. Specific information about this topic is included in the student’s curriculum guide, which the student receives upon entering the major.
- Admission to the clinical portion of the program is required for approval to enroll in SPPA 342, 414, and 457.
- At least 24 of the required 39 credits in SPPA must be taken at ESU, including all courses above the 100 level, unless waived by the department chair.
- To enroll in the clinical portion of the program, students must present evidence that they passed the HIPAA confidentiality exam. They must also have a current (within a year) TB test, and Acts 34 (criminal record) and 151 (child abuse) clearances and an FBI clearance. These clearances may be required earlier for observation purposes.

### PROGRAM FEATURES

#### 54 credit hours

**Required courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPPA 101</td>
<td>Speech Language Development</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 113</td>
<td>Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 121</td>
<td>Introduction to Communication Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 214</td>
<td>Anatomic &amp; Physiologic Speech</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 231</td>
<td>Introduction to Audiology</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 312</td>
<td>Speech Science</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 331</td>
<td>Assistive Technology for the Hard of Hearing</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 350</td>
<td>Advanced Speech &amp; Language Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 361</td>
<td>Psycholinguistics</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 414</td>
<td>Neurologic Bases of Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 430</td>
<td>Testing and Measurement in Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 457</td>
<td>Intro to Clinical Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

**Three additional credits from:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPPA 321</td>
<td>Communication and Aging</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 335</td>
<td>Advanced Sign Language</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 423</td>
<td>Multicultural Issues in Speech-Language Pathology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Co-requisite/Directed General Education courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 105</td>
<td>GN: General Biology</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 111</td>
<td>GE: Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
</tbody>
</table>

---

**About the Program**

Speech-language pathologists assist people with communication disorders by improving their quality of life.

ESU's Department of Communication Sciences and Disorders offers students the opportunity to earn a preprofessional degree. Upon completion, students must pursue a master's degree before gaining employment as a certified speech-language pathologist. Graduates of ESU's master's degree program have many employment opportunities. Students are given an education plan upon entering the program; they are assigned an adviser who will assist them throughout their bachelor's degree program. Students must maintain at least a 3.0 cumulative average and major average.

The Department of Communication Sciences and Disorders is housed in Monroe Hall. The Monroe Hall Speech and Hearing Center is a fully operational clinic. It features all of the equipment and accommodations essential to a quality educational program in speech-language pathology. Graduate students are able to gain hands-on experience with people who exhibit various types of communication disorders. The clinic serves people of all ages, infancy through adult, from the surrounding Pocono area, the Lehigh Valley and New Jersey, as well as students and faculty/staff from ESU who are in need of rehabilitation/habilitation services. Monroe Hall has several observable therapy rooms, and all the necessary materials and resources for conducting therapy.

**Are you interested in ...**

- Working with people
- Helping others

**Choose Communication Sciences and Disorders at ESU**

- Small class size
- Qualified, experienced faculty
- Preparation for graduate education

**Is speech-language pathology a career path for me?**

**Career Potential**

- Speech-language pathologist

**Career Settings**

- Public and private schools
- Hospitals
- Rehabilitation centers
- Short-term and long-term care facilities
- Community clinics
- Colleges and universities
- Private practice
- State and local health departments
- State and federal government agencies
- Home care
- Adult day care centers
- Centers for persons with developmental disabilities
- Research laboratories
- Institutes and private agencies

*More detailed career information is available from the department.*

**Accreditation**

ESU’s graduate program in Communication Sciences and Disorders is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology.

**Professional Organizations**

- Institutes and private agencies
- Research laboratories
- Centers for persons with developmental disabilities
- Adult day care centers
- Home care

ESU’s graduate program in Communication Sciences and Disorders is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology.

570-422-3247
www.esu.edu/sppa
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPSC 100</td>
<td>GN: Personal Computers and Their Uses</td>
<td>3</td>
</tr>
<tr>
<td>CPSC 103</td>
<td>GN: Introduction to Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 100</td>
<td>GN: Numbers Sets &amp; Structures</td>
<td>3</td>
</tr>
<tr>
<td>MATH 101</td>
<td>GN: Excursions in Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 110</td>
<td>GN: Sound Waves &amp; Light</td>
<td>3</td>
</tr>
<tr>
<td>PSY 225</td>
<td>GN: Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECED 232</td>
<td>Child Development and Cognition</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 340</td>
<td>Nutrition: Concepts and Controversies</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY _____</td>
<td>Any 300 or 400 level PSY course</td>
<td>3</td>
</tr>
<tr>
<td>REED 315</td>
<td>Scaffolding Language and Literacy</td>
<td>3</td>
</tr>
<tr>
<td>SOC 331</td>
<td>Human Behavior and the Social Environment</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional Requirements:**
- Please see the university requirements in this catalog.
- To enroll in the clinical portion of the program, students must present evidence that they passed the HIPAA confidentiality exam. They must also have a current (within a year) TB test, and Acts 34 (criminal record) and 151 (child abuse) clearances and an FBI clearance. These clearances may be required earlier for observation purposes.
- Students must maintain a 3.0 overall GPA and major GPA to remain in the major.

**4 YEAR CURRICULUM PROGRAM PLAN**

(Subject to change by the university without notice)

**Freshman Year Fall**
- SPPA 121  Introduction to Communication Disorders  3
- SPPA 113  Phonetics  3
- FYE 100  University Studies  3
- GenEd ____  General Education Elective  3
- GenEd ____  General Education Elective  3

**Junior Year Fall**
- SPPA 231  Introduction to Audiology  3
- SOC 331  Human Behavior and the Social Environment  3
- GenEd ____  General Education Elective  3
- GenEd ____  General Education Elective  3
- GenEd ____  General Education Elective  3

**Senior Year Fall**
- SPPA 350  Advanced Speech & Language Disorders  3
- REED 315  Scaffolding Language and Literacy Development for Students with Disabilities  3
- HLTH 340  Nutrition: Concepts and Controversies  3
- OR          |                                                  |         |
- PSY ____    | or any 300 or 400 level PSY course               | 3       |
- SPPA 331    | Assistive Technology for the Hard of Hearing    | 3       |
- GenEd ____  General Education Elective  3

**About the Program**
The primary focus of this certificate program is to provide concentrated knowledge in gerontology to supplement the course work completed in the student’s academic major. The Gerontology Certificate Program will prepare students to work directly or indirectly with older adults. The program is open to students in any major.

For more information, contact the department at 570-422-3247.
PROGRAM FEATURES

21 credits

**Required courses:**
(select 15 credits from the following)

- EXSC 445 Seminar in Adult Fitness Programs 3
- HLTH 340 Nutrition: Concepts and Controversies 3
- OR NURS 220 Nutrition and Diet Therapy 3
- HLTH 432 Death and Dying 3
- HLTH 444 Health Promotion Programs and Aging 3
- NURS 216 Theoretical Foundations of Nursing II 2
  And
- NURS 415 Nursing Care Simulation III 1
- PSY 225 GN: Lifespan Developmental Psychology 3
- PSY 377 Psychology of Adult and Aging 3
- RECR 261 Leisure and Aging 3
- SOC 331 Human Behavior and the Social Environment 3
- SPPA 321 Communication and Aging 3

Subtotal: 0

**Additional requirement:**

- XXXX _____ A six-credit internship in student major working with aging adults 6

**Note:** Some students may have to take additional coursework to meet prerequisite requirements for specific courses.

- **Nursing Majors only:**
  - For Nursing Majors only - complete the following (6) credits instead of the six credit internship:
    - NURS 326 Nursing Care of Middle-Aged Adults II 2
    - NURS 412 Nursing Care of Adults with Complex Illness 2
    - NURS 414 Nursing Care of the Older Adult 2

For more information, contact the department at 570-422-3247. Monroe Hall 570-422-3247 www.esu.edu/sppa.

Pre-Graduate Certificate Program in Communication Sciences and Disorders (Sub-baccalaureate)

21 credits

**PROGRAM REQUIREMENTS**

East Stroudsburg University Department of Communication Sciences & Disorders provides a 21-credit prerequisite concentration that may be taken on main campus after approval from the department chair.

**PREGRADUATE, PREREQUISITE PROGRAM**

The prerequisite courses are designed for students holding a bachelor's degree in another major who need prerequisite courses to apply to a master's program in speech-language pathology or communication sciences and disorders.

Taking these classes does not guarantee acceptance into the ESU Communication Sciences & Disorders Master's Degree program.

Prerequisite classes can be completed in one academic year
Non ESU students may register as non ESU students
Students currently enrolled at ESU may register through the ESU portal
Any questions should be directed to Dr. Rachel Wolf, rewolf@esu.edu

To apply as a non-degree student, send email request to Office of Admissions, admission@esu.edu

Undergraduate preparation to include the following prerequisites:

- Speech-Language Pathology or Communication Disorders courses:
  - Introduction to Communication Disorders
  - Speech and Language Development
  - Phonetics or phonology
  - Anatomy and Physiology of the Speech and Hearing Mechanism
  - Introduction to Audiology
  - Articulation/Fluency Disorders
  - Speech Science

- Other undergraduate courses:
  - Child development or developmental psychology
  - Statistics
  - College level math course (other than statistics)
  - English composition/writing
  - Natural sciences (6 credits), one must be biology, the other may be chemistry or physics
  - Behavioral sciences (6 credits)

- Observation hours: Students need 25 observation hours that can be obtained at a variety of facilities, such as: schools, hospitals, nursing homes, rehabilitation hospitals, and private practice. The prospective student must observe ASHA certified SLPs. Students should consult the department chair about the details of this requirement. These hours must be completed prior to beginning any graduate program in speech-language pathology or communication sciences and disorders.

Prospective students who do not have the above undergraduate courses or their equivalents may choose to complete them at any accredited university. It should be noted that not all applicants who meet the above admission requirements will be accepted into the program due to limitations in the number of student seats available at the time of acceptance.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPPA 101</td>
<td>Speech Language Development</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 113</td>
<td>Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 121</td>
<td>Introduction to Communication Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 214</td>
<td>Anatomic &amp; Physiologic Speech</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 231</td>
<td>Introduction to Audiology</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 312</td>
<td>Speech Science</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 350</td>
<td>Advanced Speech &amp; Language Disorders</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 21

Communication Sciences and Disorders Faculty

**Associate Professors:**
- LuAnn Batson-Magnuson, Graduate Coordinator (lmagnuson@esu.edu)
- Susan Dillmuth-Miller, Clinic Audiologist (sdmiller@esu.edu)
- Rachel Wolf (rewolf@esu.edu)

**Assistant Professor:**
- Akila Rajappa (arajappa@esu.edu)
SPPA - Communication Sciences and Disorders Courses

SPPA 101 - Speech Language Development (3 credits)
This course is a study of normal development of speech and language in the child, the structure of language as it pertains to expression and content, and the psychological and physiological bases of language.

SPPA 113 - Phonetics (3 credits)
This course is an analytic study of speech sounds, the normal production of speech sounds and the symbols of the International Phonetic Alphabet, and analysis of defective speech sounds and study of articulation testing.

SPPA 121 - Introduction to Communication Disorders (3 credits)
This course is a survey of the characteristics and etiologies of speech, language, hearing, and swallowing disorders. Clinical processes of assessment and intervention and evidence-based practice are introduced.

SPPA 131 - Intro to Sign Language (3 credits)
This course is designed to introduce the student to sign language and total communication. Its purpose is to provide practice and learning a core sign language vocabulary and basic sentence structure. This course will cover topics including the history of sign language, the history of deaf education, and how sign language is used with the deaf, hard of hearing, developmentally delayed and other individuals needing alternate modes of communication. This course does not satisfy any SPPA major requirements.

SPPA 214 - Anatomic & Physiologic Speech (3 credits)
This course is a study of the anatomy and physiology of the head, neck, and trunk as it relates to speech. The processes of respiration, phonation, resonation, and articulation are examined in detail. Distribution: Information Literacy & Technology (I).

SPPA 231 - Introduction to Audiology (3 credits)
This course is a survey of the etiology, symptomatology, and management of peripheral hearing problems in children and adults, a study of audiometric testing, and an investigation of the role of the parent, educator, and specialists in the total rehabilitative effort.

SPPA 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

SPPA 312 - Speech Science (3 credits)
This course will provide an understanding of the principles of speech production and reception. Students will be introduced to the basic principles of sound as they related to theories of voice production, the acoustic theory of speech production, linguistic organization, acoustic characteristics of the speech signal, basic instrumentation and basic research issues. Distribution: Advanced. Prerequisite: SPPA113.

SPPA 321 - Communication and Aging (3 credits)
This course is an introduction to the communication characteristics of older adults. Emphasis is placed on the changes in speech, language, voice, fluency, and hearing that are expected with normal aging, as well as the common disorders encountered in this age group. Students are expected to demonstrate a basic understanding of these characteristics, practical techniques to compensate for resulting communication problems, and when and to whom to make referrals if further testing/therapy is needed. A service learning project will be required. Distribution: Advanced.

SPPA 331 - Assistive Technology for the Hard of Hearing (3 credits)
This course is an introduction to the communication characteristics of older adults. Emphasis is placed on the changes in speech, language, voice, fluency, and hearing that are expected with normal aging, as well as the common disorders encountered in this age group. Students are expected to demonstrate a basic understanding of these characteristics, practical techniques to compensate for resulting communication problems, and when and to whom to make referrals if further testing/therapy is needed. A service learning project will be required. Distribution: Advanced. Prerequisite: SPPA 101 and SPPA 121; or PSED 150 and ECED 232.

SPPA 335 - Advanced Sign Language (3 credits)
This course seeks to explore advanced skills and knowledge of American Sign Language. Its purpose is to enhance and expand previously acquired sign language skills. Students will analyze and evaluate various manual communication systems and their impact on deaf culture. Advanced conversational skills will be emphasized. This course does not satisfy any SPPA major or elective requirements. Distribution: Advanced. Prerequisite: SPPA131.

SPPA 341 - Language Disorders & Differences Across the Life Span (3 credits)
This course seeks to explore advanced skills and knowledge of American Sign Language. Its purpose is to enhance and expand previously acquired sign language skills. Students will analyze and evaluate various manual communication systems and their impact on deaf culture. Advanced conversational skills will be emphasized. This course does not satisfy any SPPA major or elective requirements. Distribution: Advanced.

SPPA 342 - Articulations and Fluency Disorders (3 credits)
This course is a study of the causes, symptoms, evaluation, and management of articulation and fluency disorders. Distribution: Advanced.

SPPA 350 - Advanced Speech & Language Disorders (3 credits)
This course will examine the etiologies, characteristics, diagnoses, and treatments of communication disorders that are prevalent on the caseload of a speech-language pathologist. Content will include, but not be limited to, autism spectrum disorders, speech sound disorders, developmental and acquired communication disorders, and English language learners. Distribution: Advanced. Prerequisite: SPPA 101, SPPA 113 and SPPA 121.

SPPA 361 - Psycholinguistics (3 credits)
This course is designed to familiarize students with the structure of language and linguistic phenomena. They will learn how language is processed by the brain and the bases of psycholinguistics, i.e., the acquisition, storage, comprehension and production of language. Distribution: Advanced. Prerequisite: SPPA101, SPPA113.

SPPA 414 - Neurologic Bases of Communication (3 credits)
This course is a study of the neurologic control of communication, including language, speech, and hearing; and the neurologic control of swallowing. Neuropathologies associated with communication disorders and swallowing disorders are introduced. Distribution: Advanced. Prerequisite: SPPA 214, 341, and 342.

SPPA 423 - Multicultural Issues in Speech-Language Pathology (3 credits)
This course will focus on identification, assessment, intervention and prevention of communication disorders in diverse linguistic and cultural populations including all age groups. Distribution: Advanced. Prerequisite: SPPA 101 and SPPA 121; or PSED 150 and ECED 232.
SPPA 430 - Testing and Measurement in Communication Sciences & Disorders (3 credits)
This course addresses the introductory components of knowledge and skill for testing and measurement in communication sciences and disorders. This course provides a framework for the development of assessment practices. Attention will be given to issues of measurement, identifying appropriate sources of diagnostic information, reliability, validity, identifying and selecting test instruments, test administration and conducting the assessment process in an ethical and culturally-sensitive manner, calculating and interpreting norm references and criterion-referenced scores.
Distribution: Advanced. Prerequisite: MATH 110 or equivalent; SPPA 121; Student must have 60 or more credits completed.

SPPA 457 - Intro to Clinical Practice (3 credits)
This course is designed to introduce SPPA majors to the clinical aspects of the profession of a Speech-Language Pathologist. They will learn the requirements for entry into and maintaining membership in this field. They will have clinical experiences in a variety of settings. This course consists of classroom lecture and discussion, emphasizing speech and hearing screening, therapeutic procedures and techniques for various speech and hearing problems.
Distribution: Advanced | Level III Writing (W3). Prerequisite: SPPA 341 and SPPA 342.

SPPA 485 - IS: (3 credits)
The student is expected to submit a written request for Independent Study to the individual instructor and to include a prospectus of his/her proposed work. These may be research projects, advanced or specialized clinical methods, or in-depth study of a particular topic. Work may be done for one, two, or three credits as arranged with the instructor.
Distribution: Advanced. Prerequisite: SPPA231 AND SPPA342.

SPPA 486 - Field Experience & Internship (6 credits)
The student is expected to submit a written request for Independent Study to the individual instructor and to include a prospectus of his/her proposed work. These may be research projects, advanced or specialized clinical methods, or in-depth study of a particular topic. Work may be done for one, two, or three credits as arranged with the instructor.
Distribution: Advanced.

Computer Science

College of Arts and Sciences
The Faculty of Science
Science & Technology Building, Room 318
570-422-3666
www.esu.edu/cpsc

About the Programs:
Two baccalaureate degree programs are offered by the Computer Science Department: a Bachelor of Science in Computer Science and a Bachelor of Science in Computer Security. These programs closely follow the recommended curriculum of the Association for Computing Machinery (ACM) and National Security Agency (NSA).

The BS in Computer Science Program is accredited by the Computing Accreditation Commission of ABET, http://www.abet.org. The BS in Computer Security Program has led to ESU’s designation as a National Center of Academic Excellence in Cyber Defense Education by the US Department of Homeland Security and NSA.

ESU’s Certificate in Data Science trains students to analyze large amounts of data to discover patterns, trends, and insights. Data Scientists apply statistical techniques and AI to create knowledge in a wide range of fields such as health care, manufacturing, business, and finance. As highly skilled professionals, Data Scientists are in great demand in the job market.

The department also offers a Minor in Computer Science Applications. Admission standards are high, and extensive class work, laboratory and project involvement, motivation and commitment are required for successful development as Computer Science and Computer Security problem solvers.

In recent years, the department has received more than $7 million in research grants from outside sources. This has provided a very rich laboratory environment, as well as research opportunities for select undergraduates.

The department boasts an employment rate for graduates of approximately 100 percent in the field. Graduating students have been hired by the following organizations: Cisco, Google, Hershey Foods, IBM, Lockheed Martin, Merck, Mercury Marine, National Security Agency, Netflix, Pocono Medical Center, Oracle, Proteus Technologies, Sanofi-Pasteur, Space and Naval Warfare Systems Center, U.S. Army R&D Center, Vanguard Investments, and Verizon.

Are you interested in ...
• Analyzing problems logically
• Understanding how computers work
• Solving problems using computers
• Building complex systems
• Pioneering technology to change the world
• A dynamic career with unlimited potential

Choose Computer Science, Computer Security at ESU
• Excellent computer facilities
• The latest computer software
• Small class sizes with faculty committed to teaching excellence
• Advanced upper-level classes / research opportunities on cutting-edge topics

Is computer science a career path for me?
Career Potential
• Software Engineer/Developer
• E-commerce Engineer
• IT Engineer/Manager
• Systems Architect
• Game Programmer/Developer
• Software Project Manager

Career Settings
• Software development companies
• Information technology firms
• E-commerce and Web development
• Social media companies
• Government: Defense and Homeland Security
• Computer-related Research and Development

More detailed career information is available from the department.

Computer Science B.S.

PROGRAM FEATURES
57 credits

Required courses:
CPSC 130  GN: Introduction to Computer Programming I  3
CPSC 131  Introduction to Computer Programming II  3
CPSC 141  Introduction to Computer Organization  3
CPSC 230  Programming Principles and Practice  3
Students who have an interest in one of the following areas are
required to have a Math SAT score of 550 or higher.

1. Must have a total of 30 credits in Math and Science. The following ESU
classes count toward this requirement: Math (courses numbered 140 or
higher), Biology (all), Chemistry (106 or higher), and Physics (106 or
higher). Courses transferred in (numbered x99) count only if approved
by the department.

2. A transfer student who does not meet either of these requirements
may enter as a Pre-Computer Science major. This student must then complete CPSC
130, CPSC 131, CPSC 141 and MATH 140 with a “C” grade or better, or if a transfer
student has a Math SAT score of 550 or higher, then the student may enter the Computer Science major.

3. releases experiences with computer science and related fields,
results in a diverse set of skills that are highly valued by employers.

Additional Requirements:
1. Must have a total of 30 credits in Math and Science. The following ESU
courses count toward this requirement: Math (courses numbered 140 or
higher), Biology (all), Chemistry (106 or higher), and Physics (106 or
higher). Courses transferred in (numbered x99) count only if approved
by the department.

2. All CPSC and MATH courses used to meet the requirements in the
major must be completed with a grade of “C” or better.

3. In a programming intensive course, each student will be given a
variety of assignments where he or she must create extensive, original
and executable computer programs. The instructor will rigorously
review each student’s source code to determine its correctness,
efficiency, originality, and adherence to documentation and style
guidelines.

4. Students who have an interest in one of the following areas are
strongly advised to include the listed courses in their program of

CPSC 232 Introduction to Assembler Programming 3
CPSC 250 Data Structures and Algorithms 3
CPSC 321 Issues in the Practice of Computer Science 3
CPSC 330 Programming Languages 4
CPSC 340 Operating Systems Concepts and Design 4
CPSC 430 Software Engineering 3
CPSC 486 Computer Science Internship 3-12

and Accounting courses.

Graduate Studies –
MATH 421 Abstract Algebra 3

Entrance Requirements:
New Students
1. For entrance into the Computer Science major, a new student is
required to have a Math SAT score of 550 or higher.

2. A new student who has a Math SAT score lower than 550 may enter as a
Pre-Computer Science major. This student must then complete CPSC
130, CPSC 131, CPSC 141 and MATH 140 with a “C” grade or higher to enter the Computer Science major.

Transfer Students
1. If a transfer student has completed the equivalent of CPSC 130, CPSC
131, CPSC 141 and MATH 140 with a “C” grade or better, or if a transfer
student has a Math SAT score of 550 or higher, then the student may enter the Computer Science major.

2. A transfer student who does not meet either of these requirements
may enter as a Pre-Computer Science major. This student must then complete CPSC 130, CPSC 131, CPSC 141 and MATH 140 with a “C”
grade or higher to enter the Computer Science major.

4 YEAR CURRICULUM PROGRAM PLAN

Freshman Year Fall
CPSC 130 GN: Introduction to Computer Programming I 3
MATH 140 GN: Calculus I 4
ENGL 103 English Composition 3
FYE 100 University Studies 3
GenEd General Education Elective 3

Subtotal: 16

Spring
CPSC 131 Introduction to Computer Programming II 3
CPSC 141 Introduction to Computer Organization 3
MATH 141 GN: Calculus II 4
CMST 111 GN: Introduction to Communication 3
HPLW 105 Health Promotion and Lifetime Wellness 3

Subtotal: 16

Sophomore Year Fall
CPSC 230 Programming Principles and Practice 3
CPSC 232 Introduction to Assembler Programming 3
MATH 220 Discrete Mathematical Structures 3
XXXX Science Sequence 4
GenEd General Education Elective 3

Subtotal: 16

Spring
CPSC 250 Data Structures and Algorithms 3
MATH 311 Statistics I 3
ENGL 203 GN: Advanced Composition 3
XXXX Science Sequence 4
GenEd General Education Elective 3

Subtotal: 16

Junior Year Fall
CPSC 330 Programming Languages 4
CPSC 340 Operating Systems Concepts and Design 4
MATH 320 Linear Algebra 3
GenEd General Education Elective 3

Subtotal: 14

Spring
CPSC 321 Issues in the Practice of Computer Science 3

East Stroudsburg University 2022-2023 Undergraduate Catalog
Computer Security B.S.

Is computer security a career path for me?

Career Potential
- Network Administrator
- Security Administrator
- Information Assurance Specialist
- Security Application Developer
- Information Security Officer

Career Settings
- Major corporations
- Defense industry
- Law Enforcement
- Software houses
- IT and E-commerce industries
- Homeland Security industry
- Research/Technology Centers

More detailed career information is available from the department.

PROGRAM FEATURES

60 credits

Required courses:
- CPSC 130 GN: Introduction to Computer Programming I 3
- CPSC 131 Introduction to Computer Programming II 3
- CPSC 141 Introduction to Computer Organization 3
- CPSC 230 Programming Principles and Practice 3
- CPSC 232 Introduction to Assembler Programming 3
- CPSC 250 Data Structures and Algorithms 3
- CPSC 270 Computer Security I: Computer and Application Security 4
- CPSC 340 Operating Systems Concepts and Design 4
- CPSC 370 Introduction to Computer Cryptology 4
- CPSC 445 Networking and Data Communications 3
- CPSC 453 Database Systems 3
- CPSC 470 Computer Security II: Operating System and Network Security 4
- CPSC 475 Computer Security Administration and Policy 4
- CPSC 487 Security Engineering Internship 3-12

Co-requisite courses:
- MATH 140 GN: Calculus I 4

and one year of science courses that include laboratories:
- BIOL 114 GN: Introductory Biology I 4
- BIOL 115 GE: Introductory Biology II 4
- OR
- CHEM 121 GN: General Chemistry I 3
- CHEM 123 GN: General Chemistry I Lab 1
- CHEM 124 GE: General Chemistry II 3
- CHEM 126 GE: General Chemistry II Lab 1
- OR
- PHYS 161 GN: Physics I 4
- PHYS 162 GE: Physics II 4
- OR
- PHYS 161 GN: Physics I 4
- PHYS 240 Basic Electronics 4

Additional requirements:
1. All CPSC and MATH courses must be completed with a “C” grade or better.
2. At least 50% of the courses required for the major must be taken at ESU.
3. In a programming intensive course, each student will be given a variety of assignments where he or she must create extensive, original and executable computer programs. The instructor will rigorously review each student’s source code to determine its correctness, efficiency, originality, and adherence to documentation and style guidelines.
4. Students who have an interest in one of the following areas are strongly advised to include the listed courses in their program of studies:

Scientific Computing –
- CHEM 121 GN: General Chemistry I 3
- CHEM 123 GN: General Chemistry I Lab 1
- CHEM 124 GE: General Chemistry II 3
- CHEM 126 GE: General Chemistry II Lab 1
- PHYS 161 GN: Physics I 4
- PHYS 162 GE: Physics II 4

Business and Economics –
- ECON 111 GN: Principles of Macroeconomics 3
- ECON 112 GN: Principles of Microeconomics 3

Entrance requirements:

New Students
1. For entrance into the Computer Security major, a new student is required to have a Math SAT score of 550 or higher.
2. A new student who has a Math SAT score lower than 550 may enter as a Pre-Computer Security major. This student must then complete CPSC 130, CPSC 131, CPSC 141 and MATH 140 with a “C” grade or higher to enter the Computer Security major.

Transfer Students
1. If a transfer student has completed the equivalent of CPSC 130, CPSC 131, CPSC 141 and MATH 140 with a “C” grade or better, or if a transfer
student has a Math SAT score of 550 or higher, then the student may enter the Computer Security major.

2. A transfer student who does not meet either of these requirements may enter as a Pre-Computer Security major. This student must then complete CPSC 130, CPSC 131, CPSC 141 and MATH 140 with a “C” grade or higher to enter the Computer Security major.

4 YEAR CURRICULUM PROGRAM PLAN

(Secure to change by the university without notice)

Freshman Year Fall
CPSC 130  GN: Introduction to Computer Programming I  3
ENGL 103  English Composition  3
MATH 140  GN: Calculus I  4
FYE 100  University Studies  3
GenEd  General Education Elective  3

Subtotal: 16

Spring
CPSC 131  Introduction to Computer Programming II  3
CPSC 141  Introduction to Computer Organization  3
MATH 141  GN: Calculus II  4
CMST 111  GN: Introduction to Communication  3
HPLW 105  Health Promotion and Lifetime Wellness  3

Subtotal: 16

Sophomore Year Fall
CPSC 230  Programming Principles and Practice  3
CPSC 232  Introduction to Assembler Programming  3
MATH 220  Discrete Mathematical Structures  3
XXXX  Science Sequence  4
GenEd  General Education Elective  3

Subtotal: 16

Spring
CPSC 250  Data Structures and Algorithms  3
CPSC 270  Computer Security I: Computer and Application Security  4
MATH 311  Statistics I  3
ENGL 203  GN: Advanced Composition  3
XXXX  Science Sequence  4

Subtotal: 17

Junior Year Fall
CPSC 340  Operating Systems Concepts and Design  4
CPSC 370  Introduction to Computer Cryptology  4
CPSC ___  Computer Science Elective  3
GenEd  General Education Elective  3
GenEd  General Education Elective  3

Subtotal: 14

Spring
CPSC 475  Computer Security Administration and Policy  4
CPSC 445  Networking and Data Communications  3
CPSC 453  Database Systems  3
GenEd  General Education Elective  3
GenEd  General Education Elective  3

Subtotal: 16

Senior Year Fall
CPSC 470  Computer Security II: Operating System and Network Security  4
GenEd  General Education Elective  3
XXXX  Elective  3
XXXX  Elective  3

Subtotal: 12

Computer Science Applications Minor

PROGRAM FEATURES

20 credits

Required courses:
- CPSC 130  GN: Introduction to Computer Programming I  3
- CPSC 131  Introduction to Computer Programming II  3
- CPSC 141  Introduction to Computer Organization  3

and a minimum of 11 credits chosen from:
- CPSC ___ any CPSC course numbered 103 or higher
- ECON 332  Forecasting Methods  3
- ECON 415  Econometrics  3
- MGT 451  Management Science I  3
- HRTM 351  Hospitality & Tourism Information Systems  3
- MATH 411  Statistics II  3
- MATH 416  Linear Statistical Modeling with SAS  3
- MATH 425  Introduction to Mathematical Modeling  3
- MATH 445  Mathematics in Modern Technology  3
- MATH 470  Numerical Methods  3
- MATH 480  Operations Research  3
- DMET 265  Instructional Computing Methods  3
- DMET 355  Advanced Web Design  3
- DMET 475  Educational Software for Computers  3
- PHYS 111  Engineering Graphics  2
- PHYS 415  Computational Physics  3
- SMGT 346  Computer Application in Sport Management  3

Additional requirements:
To complete the minor, the student must earn a “C” grade or better in all six courses applied to the minor, and must complete at least three CPSC courses at ESU with a “C” grade or better.

Computer Science Faculty

Professors:
- Dongsheng Che (dche@esu.edu)
- Mary DeVito (mdevito@esu.edu)
- Christine Hofmeister, Chair (chofmeister@esu.edu)
- Haklin Kimm (hkimm@esu.edu)
- Robert Marmelstein (rmarmelstein@esu.edu)

Associate Professors:
- Michael Jochen (mjochen@esu.edu)
- Eun-Joo Lee (elee@esu.edu)

Assistant Professors:
- Jeyaprakash Chelladurai (jchelladur@esu.edu)
- Minhaz Chowdhury (mchowdhury@esu.edu)

CPSC - Computer Science Courses

CPSC 100 - GN: Personal Computers and Their Uses (3 credits)
This course is an introduction to personal computers (PCs) for non-science majors. The course teaches the use of standard PC software, including an operating system, a word processing program, a spreadsheet, a
presentation package, and a database package. The course also provides a non-technical understanding of how computers function, and how society uses computers to obtain and manage information. Students may receive credit for either CPSC 100 or CPSC 101, but not both.


CPSC 101 - GN: Personal Computers and Their Uses in the Sciences (3 credits)
This course, which is similar in content to CPSC 100 and CPSC 102, emphasizes the use of personal computers to solve real world engineering and scientific problems. Topics particular to CPSC 101 may include statistical analysis packages, computer-controlled scientific instrumentation, and very high performance computing. Students receiving credit for CPSC 101 cannot receive credit for CPSC 100 or CPSC 102.


CPSC 102 - GN: Introduction to Information Management with Spreadsheets (3 credits)
This course teaches students how to use spreadsheet software to manage information. It provides an introduction to office productivity software and hierarchical file systems. The course teaches students how to design and populate data tables and how to perform computations on the data. The bulk of the course is devoted to techniques for managing large data tables. These include sorting, filtering, aggregating and visualizing data; relating data tables; and applying advanced tools for data analysis.

Students may receive credit for either CPSC 101 or CPSC 102 but not both.

Distribution: GN: Group B - Computer Science (BCS).

CPSC 103 - GN: Introduction to Information Technology (3 credits)
In modern society, information technology is pervasive, ubiquitous, and firmly integrated into the most fundamental organizational processes. As such, an understanding of information technology and its applications are increasingly required in an ever broader range of disciplines. This course provides students with a thorough introduction to information technologies, applications, and issues. Special emphasis is placed on the role of information technology in enabling organizational strategies, processes, and problem solving.


CPSC 105 - GN: PC Security and Privacy (3 credits)
This course deals with the basic concepts of computer security and privacy. PC basics, networking basics, confidentiality, integrity, and availability of data, encryption, cryptography, threats to computer security such as viruses, computer security controls such as antivirus software and firewalls, and security and privacy on the Internet. These topics are discussed in a manner to promote awareness of computer security issues, not technical knowledge.


CPSC 108 - GN: Games, Robots, and Intelligence (3 credits)
This course provides a gentle introduction to computer concepts and technologies for the novice. Fundamentals of computer hardware and software will be covered. Students will gain direct experience with interesting computer science technologies (such as computer games and robotics) through hands-on exercises. In addition, computer-related social issues (such as privacy), emerging trends in computing will also be discussed.


CPSC 120 - GN: Introduction to Computer Programming for Science and Engineering (3 credits)
This course teaches fundamental concepts and terminology of computer programming for students in science and engineering. Students will develop skills in designing and writing simple computer programs. This is a programming intensive course. The course requires no programming background.

Distribution: GN: Group B - Computer Science (BCS).

CPSC 130 - GN: Introduction to Computer Programming I (3 credits)
This course covers fundamental concepts and terminology of computer programming. Topics will include programming basics, debugging, and object-oriented programming. This is a programming intensive course. The course requires no programming background.

Distribution: GE: Natural Sciences-Comp Sci. Prerequisite: CPSC130.

CPSC 131 - Introduction to Computer Programming II (3 credits)
This course covers concepts and development of object-oriented programs. Topics will include classes and objects, one dimensional arrays, list, stack, queues, and searching and sorting algorithms. This is a programming intensive course.

Distribution: GE: Natural Sciences-Comp Sci. Prerequisite: CPSC130.

CPSC 230 - Programming Principles and Practice (3 credits)
This course covers basic principles and techniques of program development. Topics will include implementation of elementary data structures and introduction of basic algorithm and analysis. This is a programming intensive course.

Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131.

CPSC 232 - Introduction to Assembler Programming (3 credits)
This course is an introduction to machine language and assembly language programming. Concepts discussed include techniques for encoding data as numbers, instruction set design, and the IEEE floating point standard. Assignments, which reinforce ideas covered in CPSC 141, teach assembly language programming techniques and allow students to practice assembler programming. This course is usually offered in the fall. This is a programming intensive course.

Distribution: Advanced. Prerequisite: CPSC130, 131 and 141.

CPSC 234 - Object Oriented Programming (3 credits)
This course is designed to teach the student how to effectively design efficient programs to solve real world problems using the techniques of Object Oriented Programming (OOP) rather than conventional functional programming. It has the student use and compare two popular OOP languages, C++ and C#, to implement the design of their objects and build their application programs stressing good OOP techniques.

Distribution: Advanced. Prerequisite: CPSC130.

CPSC 236 - Programming Using Visual Basic.NET (3 credits)
This course teaches students how to design and rapidly build applications using the very popular and widely used programming language Visual Basic.NET. It will stress how to effectively use Visual Basic.NET to take advantage of existing and tested objects and programs such as Microsoft Access and Excel, so as to reduce program development time and provide the user familiar graphical interfaces and functionality. This is a programming intensive course.
CPSC 250 - Data Structures and Algorithms (3 credits)
This course covers the implementation and use of data structures and algorithms. Topics will include binary trees, priority queues, balanced trees, hash tables, graphs, recursion, binary tree searching, sorting, hashing, and graph searching. This is a programming intensive course. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230.

CPSC 270 - Computer Security I: Computer and Application Security (4 credits)
This course provides students with an introduction to the field of computer security so that they gain an understanding of information and system security in contemporary distributed systems. The core concepts and technologies of access control, operating system security, security against malware, web security, application security, and incident response are discussed. Students are required to complete hands-on exercises to demonstrate their expertise in the topic areas. Distribution: Advanced. Prerequisite: CPSC 130, 131, 230.

CPSC 290 - Special Topics: [(Semester hours arranged)]
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

CPSC 320 - Topics in Computer Science (3 credits)
This course focuses on special topics in computing selected from such areas as compiler construction, formal languages, information retrieval, graphics, artificial intelligence. This may be taken more than once, with permission in advance. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC141 AND CPSC230 AND CPSC250.

CPSC 321 - Issues in the Practice of Computer Science (3 credits)
This course examines concerns relating to the practice of computer science. Topics considered include uses of computers in professional environments, an introduction to software development practices, ethical and legal issues in computer science, and opportunities for continued professional development. Distribution: Information Literacy/Technology (I) Level III Writing (W3) Advanced. Prerequisite: CPSC 130, CPSC 131, CPSC 141, CPSC 230, CPSC 250 and ENGL 203.

CPSC 327 - Introduction to Computer Forensics (3 credits)
This course will provide a foundation in the field of Computer Forensics. The student will learn how to obtain and analyze digital information for possible use as evidence in civil, criminal or administrative cases. Topics include applications of hardware and software to computer forensics, computer forensics law, volume and file system analysis, computer forensics investigations, and computer forensics in the laboratory. Hands-on exercises guide discussions and reinforce the subject matter. Distribution: Advanced. Prerequisite: CPSC 130 AND CPSC 131 AND CPSC 230 AND CPSC 250 AND CPSC 270 AND MATH 220.

CPSC 328 - Security in Web Programming (3 credits)
This course covers Web safety and browser vulnerabilities, privacy concerns, issues with Java, JavaScript, ActiveX, and web plug-ins. Digital certificates are examined to see how they assure identity in networked environments and how server certificates work. The course also provides technical details about SSL (Secure Socket Layer), TLS (Transport Layer Security), host security, server access methods, and secure CGI/API programming. Distribution: Advanced. Prerequisite: CPSC 130 AND CPSC 131 AND CPSC 230 AND CPSC 250 AND CPSC 270 AND MATH 220.

CPSC 330 - Programming Languages (4 credits)
This course discusses the characteristics of Programming Languages, and surveys the features, strengths, and limitations of specific languages. Programming practice is provided in languages that emphasize diverse approaches to problem solving: e.g., Scheme, Prolog and a block-structured language. This is a programming intensive course. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230 AND CPSC250.

CPSC 335 - Operating Systems Concepts and Design (4 credits)
This course is an introduction to operating systems concepts and design. Topics include a survey of major operating systems components such as process control, memory management, file systems, input/output and security. Theory will be demonstrated by hands-on experience. Students will be required to complete operating system kernel projects where they will write and/or modify operating system code and demonstrate its impact on the performance of the system. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230 AND CPSC250.

CPSC 362 - Cryptographic Application Development (3 credits)
This course is designed to teach students how to effectively design and develop software applications using the industry-strength Application Programming Interfaces from .NET and Java. This course covers XOML, Cascading Style Sheets, JavaScript, DHTML, Language and Model, XML, ADO.NET, ASP.NET and PHP. The goal is to teach skills and languages to build platform independent code for Internet and Intranet-based applications. This is a programming intensive course. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230 AND CPSC250.

CPSC 365 - Internet and Web Programming (3 credits)
This course covers the implementation and use of data structures and algorithms. Topics will include binary trees, priority queues, balanced trees, hash tables, graphs, recursion, binary tree searching, sorting, hashing, and graph searching. This is a programming intensive course. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230 AND CPSC250.
hash functions, and message authentication codes. Students will be required to create working software based on cryptographic algorithms. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230 AND CPSC250 AND MATH140 AND MATH220.

**380 - Introduction to Data Science (3 credits)**

This course is designed to teach students the fundamentals in the field of Data Science. This Course covers the basics of programming environment for data analysis, data manipulation (data index, selection, merge, join, aggregation, grouping), data cleaning, and data visualization (2-D plots, 3-D plots). This is a programming intensive course. Distribution: Advanced. Prerequisite: CPSC120 and CPSC230 or MATH318 and MATH110 or MATH311.

**CPSC 421 - Computer Graphics (3 credits)**

This course is an introduction to computer graphics. Basic principles for design, use, understanding of graphic systems will be studied. Algorithms for creating and manipulating graphic displays and a standard programming language for their implementation will be presented. There will be programming practice. This course is usually offered in alternate years. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230 AND CPSC250.

**CPSC 428 - Artificial Intelligence and Heuristic Programming (3 credits)**

A study of symbolic processing and intelligent applications; major models, state-space, problem-subproblem, automated deduction will be applied to solve problems in heuristic programming and artificial intelligence. This course is usually offered in alternate years. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230 AND CPSC250.

**CPSC 429 - Machine Learning (3 credits)**

This course provides students with a broad introduction to machine learning, datamining, and statistical pattern recognition. Students will study data exploration, decision-tree, K-nearest neighborhoods, linear regression, logistic regression, support vector machines, neural networks, ensemble learning, clustering, dimensionality reduction, and model evaluations. Students will be required to build predictive models based on machine algorithms. This course is usually offered in alternate years. Distribution: Advanced. Prerequisite: CPSC 380.

**CPSC 430 - Software Engineering (3 credits)**

This course is a study of the principles of software engineering and various programming methodologies as applied to the development of large, complex software systems. Top-down, structured design and programming will be emphasized. There will be practice in the construction of a large software system. This course is usually offered in the fall. This is a programming intensive course. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230 AND CPSC330 AND CPSC250 AND MATH311.

**CPSC 432 - Natural Language Processing (3 credits)**

This course is an introduction to natural language processing in Computer Science. There will be a review of elementary text, tree, and graph processing and an introduction to syntactic and semantic processing. Syntax: Backus-Naur grammars, sentence generation/recognition, augmented transition networks, parsing strategies. Semantics: case grammar theory, frame theory. There will be case studies of current systems as well as programming practice. This course is usually offered in alternate years. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC141 AND CPSC230 AND CPSC250 AND CPSC330.

**CPSC 433 - Compiler Construction (3 credits)**

This course introduces the student to the methods and techniques involved in translating high-level languages such as ADA and C into executable machine code. Topics include study of lexical scanning, parsing, symbol table construction, object code generation, and optimization. The bulk of the student activity is spent writing a compiler for a substantial subset of the ADA or C language. This course is usually offered in alternate years. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230 AND CPSC232 AND CPSC250 AND CPSC340.

**CPSC 437 - Advanced Internet and Web Programming (3 credits)**

This course covers a number of advanced topics in the Internet and web programming domain including: client-server architectures, web services, service-oriented architectures, cloud computing, and mobile web applications. This is a programming intensive course which focuses on applying these technologies to design a web based application, with emphasis on optimizing the performance of the end product. The student will be required to implement a team project using one or more of these technologies. Distribution: Advanced. Prerequisite: CPSC 250 and 337.

**CPSC 442 - Introduction to Computer Game Development (3 credits)**

This course provides students with a comprehensive introduction to computer game design principles, techniques, and algorithms. It covers the following areas of computer game design: game concept development, user interface design, graphics (2D, 3D, animation, and advanced techniques), game physics, real-time interaction, intelligent characters, and software engineering considerations. During the course, each student will develop a functional, live-action computer game for the PC/Windows-XP platform. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230 AND CPSC340 AND CPSC250.

**CPSC 444 - Real Time Systems (3 credits)**

This course is an introduction to the problems, concepts and techniques involved in computer systems which must monitor and control external devices or events. This includes techniques and hardware for data collection and control functions. Applications discussed will include microprocessor controlled intelligent devices and process control. This course is usually offered in alternate years. Distribution: Advanced. Prerequisite: MATH141 AND CPSC130 AND CPSC131 AND CPSC141 AND CPSC232 AND CPSC340.

**CPSC 445 - Networking and Data Communications (3 credits)**

This course gives students a foundation in the study of data communications and computer networking. Topics covered will include basic data communications, Open Systems Interconnect (OSI) Model, Local Area Networks (LAN), and common communications standards. This course is usually offered in alternate years. Distribution: Advanced. Prerequisite: CPSC130 AND CPSC141 AND CPSC232 AND CPSC131 AND CPSC340.

**CPSC 447 - Distributed Object Programming (3 credits)**

This course is intended for students who are interested in understanding and developing application projects with an object-oriented programming language such as Java in distributed computing environments. The course begins with a brief introduction to object technology with programming and introduction to computer networking, and is followed by understanding and developing programs in the server/client model, Remote Method Interface (RMI), and Common Object Request Broker Architecture (CORBA). Distribution: Advanced. Prerequisite: CPSC335 AND CPSC445.
CPSC 450 - Algorithmic Graph Theory (3 credits)
This course is an algorithmic approach to the mathematical theory of graphs and their applications. Path problems, covers, network flows and other problems will be formulated in graph theoretical terms and solutions will be programmed. This course is usually offered in alternate years. This is a programming intensive course.
Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230 AND CPSC250.

CPSC 453 - Database Systems (3 credits)
This course is an introduction to the management of large volumes of interrelated data through integrated database management software. Topics discussed will include relationships between data items, effect of redundancy, and database design. Representative examples of the relational and network approaches to database management will be examined.

CPSC 470 - Computer Security II: Operating System and Network Security (4 credits)
This course allows students to delve further into the field of computer security after completing CPSC 270. Students will study many different attack techniques with an emphasis on the defense against these attacks. Topics include applied networking, features of various operating systems, operating system attacks and defenses, methods for network reconnaissance and scanning, network attacks against confidentiality and integrity, denial of service attacks, and secure network architecture.

CPSC 475 - Computer Security Administration and Policy (4 credits)
This course gives students a broad overview of the administration of computing systems with an emphasis on the security of the systems. Students will study computer security law and ethics, the development of an organizational computer security program, computer security policy development, computer security planning, contingency planning, risk management, and the certification and accreditation of computing systems.
Distribution: Information Literacy/Technology (I) | Level III Writing (W3) | Advanced. Prerequisite: CPSC 130, 131, 230, and 270.

480 - CPSC-480 (3 credits)
This course provides an exposure to advanced methods and technologies in data science, including exploratory data analysis, validation strategies, data leakage, metrics optimization, hyperparameter optimization, advanced feature engineering, and ensembling. Students will develop a project involving real-world data on a large scale, and communicate the results to a non-technical audience.
Distribution: Advanced. Prerequisite: CPSC380 and CPSC429.

CPSC 485 - IS: (1 - 6 credits)
This experience is taken upon the initiative of a student who seeks to study with a knowledgeable faculty member in order to deepen a specific interest in a particular discipline. Independent study is a process through which a student either sharply increases his/her already advanced knowledge of a subject matter or increases his/her appreciation about an academic discipline that is correlative with a student’s advanced knowledge of a subject. The proposed independent study must be submitted to the department for approval. The faculty member supervising the independent study must provide a minimum of five hours of time per credit hour upon request of the student.
Distribution: Advanced.

CPSC 486 - Computer Science Internship (3-12 credits)
This course consists of in-depth involvement in ongoing programming projects under direct professional supervision. This course may not be used as an elective in either the Computer Science major or the Computer Security major.

CPSC 487 - Security Engineering Internship (3-12 credits)
This course consists of involvement in ongoing network security tactics, techniques and procedures under direct professional supervision. This course may not be used as an elective in either the Computer Security major or the Computer Science major.

### Criminal Justice

**College of Arts and Sciences**

**The Faculty of Social Sciences**

Stroud Hall, Room 101
570-422-3453
www.esu.edu/soc

The Criminal Justice program is housed within the Department of Sociology, Social Work and Criminal Justice.

The Department of Sociology, Social Work and Criminal Justice offers a Bachelor of Arts in Sociology; Bachelor of Science in Social Work; and Bachelor of Science in Criminal Justice, plus three minors in Sociology, Social Work, and Criminal Justice.

The goal of the Criminal Justice program is to provide students with the educational background necessary to pursue careers in Criminal Justice, and/or to pursue graduate study in criminology, criminal justice, law, or other related fields.

**Is criminal justice a career path for me?**

**Career Potential**

- Law Enforcement
- Corrections
- Government Agency Professional

**Career Settings**

- Criminal Justice Agencies
- Business
- Education
- Government

More detailed career information is available from the department.

**Criminal Justice B.S.**

**Program Features**

48 credit hours

**Transfer Policy:**

1. No upper level (300 and 400 level) courses will be accepted from community or junior colleges for the Criminal Justice major or minor; 300 and 400 level courses from four-year colleges are accepted only with permission of the department.

2. For Criminal Justice major - a minimum of 32 credits must be taken at East Stroudsburg including SOC 254, SOC 312, SOCI 475, SOC 486, and SOC 495.

3. A 2.5 cumulative quality point average must be earned in the major.

4. Minimum of “C” in all required courses.
### Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 150</td>
<td>Intro to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 215</td>
<td>The American Court System</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 216</td>
<td>Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 217</td>
<td>Introduction to Criminology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 250</td>
<td>Corrections</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 251</td>
<td>Police Organization &amp; Admin</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 254</td>
<td>Quantitative Analysis in Sociology, Social Work &amp; Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 302</td>
<td>Social Inequality, Crime and Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 312</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 475</td>
<td>Ethics in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 486</td>
<td>Field Work &amp; Observation</td>
<td>1 - 15</td>
</tr>
<tr>
<td>SOCI 495</td>
<td>Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 36**

### two of the following Criminal Justice courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 151</td>
<td>Introduction to Security</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 252</td>
<td>Organized Crime</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 253</td>
<td>Violence in Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 350</td>
<td>The Criminal Process</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 351</td>
<td>Police Investigation</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 352</td>
<td>Police and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 353</td>
<td>Crisis Management in Law Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 354</td>
<td>Drug Use &amp; Abuse in Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 355</td>
<td>Victimology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 356</td>
<td>Community Corrections</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 460</td>
<td>Schools, Gangs, Violence</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 490</td>
<td>Contemporary Issues in Criminal Justice</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 6**

### two of the following Interdisciplinary elective courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 102</td>
<td>GN: Introduction to Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 201</td>
<td>GN: The Comparison of Societies</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 241</td>
<td>GN: Contemporary Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 265</td>
<td>GN: Culture &amp; Society in the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 280</td>
<td>Sociological Perspectives in Globalization</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 310</td>
<td>GE: Introduction to Social Welfare Policy &amp; Services</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 333</td>
<td>Chinese Culture and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 341</td>
<td>GE: Advanced Criminology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 231</td>
<td>GN: Marriage and Family</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 342</td>
<td>GE: Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 343</td>
<td>GE: Racial and Cultural Minorities</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 344</td>
<td>Social Deviance</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 345</td>
<td>Sociology of Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 370</td>
<td>Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 374</td>
<td>Political Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 377</td>
<td>GE: WS: Sociology of Women</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 487</td>
<td>Foreign Study I</td>
<td>3</td>
</tr>
<tr>
<td>SOWS 140</td>
<td>Foundations of Social Work Practice</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 151</td>
<td>GN: Philosophy of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 235</td>
<td>GN: Human Rights and Freedom</td>
<td>3</td>
</tr>
<tr>
<td>CPSC 103</td>
<td>GN: Introduction to Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>CPSC 105</td>
<td>GN: PC Security and Privacy</td>
<td>3</td>
</tr>
<tr>
<td>CPSC 327</td>
<td>Introduction to Computer Forensics</td>
<td>3</td>
</tr>
<tr>
<td>MGT 211</td>
<td>Financial Accounting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MGT 225</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 341</td>
<td>Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 402</td>
<td>Applied Geographic Information Science (GIS)</td>
<td>3</td>
</tr>
<tr>
<td>POLS 413</td>
<td>American Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>POLS 414</td>
<td>Constitutional Civil Liberties</td>
<td>3</td>
</tr>
<tr>
<td>POLS 416</td>
<td>Administrative Law</td>
<td>3</td>
</tr>
<tr>
<td>HIST 341</td>
<td>GE: US Military History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 346</td>
<td>GE: History of Urban America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 354</td>
<td>African-Americans &amp; the Courts</td>
<td>3</td>
</tr>
<tr>
<td>HIST 357</td>
<td>History of the Supreme Court: 1789-1914</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 6**

### Directed General Education:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 111</td>
<td>GN: Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>POLS 120</td>
<td>GN: American Government</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 110</td>
<td>GN: Introduction to Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 6**

### 4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

#### Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 150</td>
<td>Intro to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 111</td>
<td>GN: Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 201</td>
<td>GN: The Comparison of Societies</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 312</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 475</td>
<td>Ethics in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 486</td>
<td>Field Work &amp; Observation</td>
<td>1 - 15</td>
</tr>
<tr>
<td>SOCI 495</td>
<td>Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 215</td>
<td>The American Court System</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 251</td>
<td>Police Organization &amp; Admin</td>
<td>3</td>
</tr>
<tr>
<td>POLS 120</td>
<td>GN: American Government</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 216</td>
<td>Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 250</td>
<td>Corrections</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 110</td>
<td>GN: Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 217</td>
<td>Introduction to Criminology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 254</td>
<td>Quantitative Analysis in Sociology, Social</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>Interdisciplinary Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Junior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 312</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>Major Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 302</td>
<td>Social Inequality, Crime and Justice</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>Interdisciplinary Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>Free Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Senior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 475</td>
<td>Ethics in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>Major Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>Free Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

**Subtotal: 15**
Criminal Justice Minor

PROGRAM FEATURES

24 credits

The 24-credit minor in Criminal Justice emphasizes the knowledge and skills necessary for students to think critically and to develop beginning skills in the criminal justice field. The goal of the Criminal Justice Administration program is to provide students with the educational background necessary to pursue careers in Criminal Justice, and/or to pursue graduate study in criminology, criminal justice, law, or other related fields. The Criminal Justice minor not only complements the Sociology and Social Work majors offered in the department, but also many other majors across various related professional fields and disciplines.

Required concentration courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Distribution</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 341</td>
<td>GE: Advanced Criminology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 342</td>
<td>GE: Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>SOC 486</td>
<td>Field Work &amp; Observation</td>
<td>1 - 15</td>
</tr>
<tr>
<td>SOCJ 150</td>
<td>Intro to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOCJ 250</td>
<td>Corrections</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOCJ 352</td>
<td>Police and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCJ 350</td>
<td>The Criminal Process</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives:

Three additional credits selected from the following recommended courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Distribution</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 275</td>
<td>GN: Chemical Aspects of Drug and Alcohol Abuse</td>
<td>3</td>
</tr>
<tr>
<td>MLSP 234</td>
<td>GN: Conversational Spanish for Social Services</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 107</td>
<td>GE: Physics and Forensic Science</td>
<td>3</td>
</tr>
<tr>
<td>SOCJ 151</td>
<td>Introduction to Security</td>
<td>3</td>
</tr>
<tr>
<td>SOCJ 251</td>
<td>Police Organization &amp; Admin</td>
<td>3</td>
</tr>
<tr>
<td>SOCJ 252</td>
<td>Organized Crime</td>
<td>3</td>
</tr>
<tr>
<td>SOCJ 253</td>
<td>Violence in Society</td>
<td>3</td>
</tr>
<tr>
<td>SOCJ 351</td>
<td>Police Investigation</td>
<td>3</td>
</tr>
<tr>
<td>PSY 271</td>
<td>Forensic Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Transfer Policy:

1. No upper level (300 and 400 level) courses will be accepted from community or junior colleges for the Criminal Justice major or minor; 300 and 400 level courses from four-year colleges are accepted only with permission of the department.
2. For Criminal Justice minor: a minimum of 15 credits must be taken at East Stroudsburg, and 300 and 400 level courses from four-year colleges are accepted only with permission of the department.

Criminal Justice Faculty

Professors:

Chin Hu (chu@esu.edu)
John Kraybill-Greggo, Department Chair (jgreggo@esu.edu)
Reto Muller (rmuller@esu.edu)
Hooshang Pazaki (shpazaki@esu.edu)

Associate Professors:

Darla Darno (ddarno@esu.edu)
Carrie Maloney, Criminal Justice Program Director (cmalonev5@esu.edu)
Jeffrey Rosky (jrosky@esu.edu)

Assistant Professor:

Scott Mathers (smathers1@esu.edu)

Instructors:

Gerard LaSalle (glasalle@esu.edu)
Vertel Martin (VMartin@esu.edu)
Michael Pittaro (mpittaro@esu.edu)
Richard Ruck (rruck@esu.edu)

SOCJ - Criminal Justice Admin Courses

SOCJ 150 - Intro to Criminal Justice (3 credits)

This course is an overview of the role of police, prosecution, court, and correctional processes in the administration of criminal justice in the United States. This course is offered in cooperation with the Criminal Justice Administration Program. It will not count toward the Sociology major.

SOCJ 151 - Introduction to Security (3 credits)

This course discusses the history, nature, and scope of private security in modern society, the basic principles of physical security, internal loss prevention, defensive systems, fire prevention and safety, and the security function in the corporate structure. This course is offered in cooperation with the Criminal Justice Administration Program. It will not count toward the Sociology major.

SOCJ 250 - Corrections (3 credits)

The correctional process (sentencing, incarceration, and release) will be examined. Prison classification, treatment systems, life "inside," discipline, inmates' rights, and parole prediction are studied. Distribution: Advanced.

SOCJ 251 - Police Organization & Admin (3 credits)

This course is an examination of the historical development and present organization and administration of police departments and a consideration of the principles of organization best adapted to ensure effective service to the community. This course is offered in cooperation with the Criminal Justice Administration Program. The course will not apply toward the Sociology major.

Distribution: Advanced.

SOCJ 252 - Organized Crime (3 credits)

The history, growth, structure, philosophy, and scope of Organized Crime will be studied. Effective methods of prosecuting this type of crime will be reviewed. The course is offered in cooperation with the Criminal Justice Administration program. It will not count toward the Sociology major.

Distribution: Advanced.

SOCJ 253 - Violence in Society (3 credits)

This course is an in-depth study of violence, with topics such as riots, campus and civil disorders, violent crime, terrorism, and assassinations discussed in detail to give the student an insight into this deviant behavior. The course is offered in cooperation with the Criminal Justice Administration Program. It will not count toward the Sociology major.

Distribution: Advanced.

SOCJ 302 - Social Inequality, Crime and Justice (3 credits)

This course will utilize a structural and interactional approach to understanding notions of power that produce and reinforce inequality in the American criminal justice system. The course will primarily examine...
inequality as it pertains to race, class, gender, age and sexual orientation within this social institution.

SOCJ 350 - The Criminal Process (3 credits)
This course provides an overview of the criminal process from arrest through trial and sentencing. It includes discussions of the law and procedures applicable at each stage, including classification of crimes, warrants, searches and seizures, confessions, evidence, preservation, preliminary hearings, motions, pleas, and trials. Particular crimes are treated substantively as necessary to supply examples. Practical exercises are contemplated.

Distribution: Advanced. Prerequisite: SOC111, SOCJ150, and 1 additional 200-300 level criminal justice or sociology course.

SOCJ 351 - Police Investigation (3 credits)
This course considers appropriate conduct at the crime scene, techniques of interview, interrogation of witnesses and suspects, the uses of informants, studies of specific investigative methods for particular kinds of cases, and the presentation of police cases in court. The course is offered in cooperation with the Criminal Justice Administration Program. It will not count toward the Sociology major.

Distribution: Advanced. Prerequisite: SOCJ150.

SOCJ 352 - Police and Society (3 credits)
This course is a review of the problems confronting the police and the community, a study of minorities to gain an understanding of their particular problems, an in-depth look at ways of achieving trust, understanding, respect, and cooperation from the public that the police serve. This course is offered in cooperation with the Criminal Justice Administration Program. The course will not apply toward the Sociology major.

Distribution: Advanced. Prerequisite: SOCJ150 (C); SOCJ 215 (C).

SOCJ 353 - Crisis Management in Law Enforcement (3 credits)
This course will introduce students to the current issues of managing critical incidents and hostage situations that occur in law enforcement and corrections. It will focus on those activities necessary to stabilize life and property threatening incidents. It will provide an understanding of commanding high-risk incidents, pre-incident planning, and critical incident stress reactions.

Distribution: Advanced. Prerequisite: SOCJ111 (C); SOCJ 150 (C); SOCJ 251 (C).

SOCJ 354 - Drug Use & Abuse in Society (3 credits)
This course will focus on drug use and abuse as it pertains to today’s society. It will offer an in-depth look into the various types of drugs and how they affect the body along with the implications that arise through the abuse of these substances. It will explore the concept of addiction to the various controlled substances that are available pharmaceutically and on the black market. Stimulants, depressants, and hallucinogens will be discussed in-depth, along with the various State and Federal Laws that apply to the Controlled Substance Acts. Lastly it will look at alcohol use and abuse, over the counter medications, and the emerging trends of drug use that are ever changing in our society.

Distribution: Advanced. Prerequisite: SOC 111 or SOCJ 150, plus one additional 200-300 level SOCJ course.

SOCJ 355 - Victimology (3 credits)
This course examines the field of victimology from a criminal justice perspective. It will focus on reviewing the problems associated with criminal victimization including the examinations of victim-offender relationships, the victim’s role within society along with programs and policies used within the criminal justice system, other social services and medical field to treat victimization. Specific topics will include sexual victimization, child abuse, intimate partner violence, and restorative justice.

Prerequisite: SOC 111 (C), SOCJ 150 (C) and SOC 217 (C). Also offered as SOSW 355.

401 - Forensic Investigation (3 credits)
This course provides a detailed overview of several key forensic disciplines, with a concentrated focus on environmental and wildfire forensics. Students will learn about the various federal and state laws and governing agencies in charge of U.S. environmental protection and wildlife preservation. Students will also learn about the key forensic investigation and evidence collection techniques, as well as how to analyze and interpret the results, and present the evidence in criminal court cases.

Prerequisite: SOCJ150, SOCJ215 and SOCJ251.

SOCJ 460 - Schools, Gangs, Violence (3 credits)
This course will examine the various aspects of violence as they relate to the school setting. It will take an in-depth look at gangs, weapons, and drugs in the school environment. This course will discuss some of the more recent approaches from law enforcement perspective that have worked in combating school violence.

Distribution: Advanced. Prerequisite: SOCJ150 (C); SOCJ 216 (C).

SOCJ 475 - Ethics in Criminal Justice (3 credits)
Ethical decision-making is a central component of professional integrity. This course will introduce students to professional ethics in criminal justice, to the ethical dilemmas encountered by criminal justice professionals, and to the processes of making ethical decisions in criminal justice settings. Topics to be examined include police discretion and excessive force, racial profiling, prosecutorial misconduct, investigatory deception, and corruption.

Distribution: Advanced. Prerequisite: SOCJ150 (C) and SOCJ 250 (C) and SOCJ 251 (C) and SOCJ 215 (C) and PHIL 110.

SOCJ 490 - Contemporary Issues in Criminal Justice (3 credits)
This course examines emerging topics, trends and issues in criminal justice. In particular, the course will explore various developments and changes to the criminal justice system and its primary component parts - law enforcement, courts, and corrections, and the various forces which have brought about these changes.

Distribution: Advanced. Prerequisite: SOCJ215 (C); SOCJ 216 (C), SOCJ 217 (C). Must be in the major and junior status.

**Dance**

**College of Arts and Sciences**
The Faculty of Arts and Letters

*About the Program*
The dance minor provides students with classes in a variety of dance forms, and may be combined with any major.

*Why Minor in Dance?*
Continue to pursue your lifelong love of dance, or discover a new passion! Small class sizes and faculty interaction personalize this program which is designed to dovetail with a variety of other majors.

**Dance Minor**

**PROGRAM FEATURES**
18 credits

*Required courses:*
DANC 114    GN: Modern Dance Theory

---

131
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DANC 115</td>
<td>GN: Introduction to Dance</td>
<td>3</td>
</tr>
<tr>
<td>DANC 210</td>
<td>GN: Elementary Ballet</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong></td>
<td><strong>9</strong></td>
</tr>
<tr>
<td></td>
<td>Select 6 credits:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- DANC 111: GN: World Dance</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>- DANC 143: GN: Elementary Jazz Dance</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>- DANC 320: Dance for Musical Theatre</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong></td>
<td><strong>6</strong></td>
</tr>
<tr>
<td></td>
<td>Select 3 credits:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- DANC 111: GN: World Dance</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>- DANC 143: GN: Elementary Jazz Dance</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>- DANC 320: Dance for Musical Theatre</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

### Dance Courses

**DANC 111 - GN: World Dance (3 credits)**
This course presents dance as an expression of cultural identity and a way of understanding people of different cultures through their social interaction. Theoretical considerations include dances for a variety of ages and abilities, as well as the origins, characteristics, ethnic sources, and values of dance for a variety of purposes: dance as recreation, as courtship, as a conservation of tradition, and as a medium for exchange as a fusion of cultures.

**DANC 114 - GN: Modern Dance Theory (3 credits)**
This course is designed to introduce the student to the study of dance as the most fundamental of the arts, involving a direct expression of oneself through the body. The student will explore fundamental movement concepts including time, weight, space, and flow. Contextualization of historical, theoretical, and aesthetic principles will be emphasized.

**DANC 115 - GN: Introduction to Dance (3 credits)**
This course examines the universal human need to celebrate life through dance. It is a survey of dance style forms designed to introduce the student to the energies and mysteries of dance throughout the ages and cultures of the world. Emphasis is on the role of dance as an expression of cultural mores, social order, religious worship, cultural identity, and individuality.

**DANC 143 - GN: Elementary Jazz Dance (2 credits)**
This is an elementary level jazz dance technique course which includes a variety of axial and locomotor techniques and basic combinations characteristic of historical and contemporary jazz dance, with emphasis on developing the physical and expressive potential of the human body. The class will present anatomical and aesthetic aspects of this dance genre.
DANC 143 may be repeated for credit once as FIT 143.

**DANC 210 - GN: Elementary Ballet (3 credits)**
This course includes terminology and technique in elementary ballet including alignment, barre, center work, basic enchainments, and room and body directions, with emphasis on developing the physical and expressive potential of the human body. The class will enable students to understand and synthesize the kinesiological and anatomical, historical and theoretical and aesthetic aspects of dance. General Education Performing Art. May be repeated for credit.

### Dance Courses (Continued)

**DANC 215 - GE: Elementary Lyrical Modern Dance (2 credits)**
This is an elementary level modern dance technique course. It explores a variety of axial and locomotor techniques and simple combinations characteristic of contemporary dance. The ability to apply skills in the art form is implied in any study of technique; this ability will be realized through improvisational and compositional experiences. May be repeated for credit.
Distribution: GE: Humanities-Performing Arts.

**DANC 216 - Creative Dance for Children (2 credits)**
This course is designed to introduce students to the fundamentals of teaching creative dance for children including a conceptual approach to dance and fostering children's growth through a creative, child-centered dance curriculum. It will include information on the nature of dance for children, choosing age-appropriate topics, strategies for facilitation of dance experience, and group discussions as well as guided practical experiences. Prerequisite: DANC 114 or DANC 210 or DANC 215 or equivalent (1yr. prior dance study).

**DANC 310 - GN: Intermediate Ballet (3 credits)**
This course will include technique in intermediate ballet including alignment, barre, center work, room and body directions, and intermediate-level enchainments. Students will further develop their awareness of the role of principles of flexibility, muscular strength and endurance, and cardiovascular fitness, with emphasis on developing the physical and expressive potential of the human body. May be repeated for credit.
Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Artistic Expression (A) | Advanced. Prerequisite: DANC 210 or (1-2 yrs. prior ballet study).

**DANC 314 - GE: Dance Improvisational and Choreography (2 credits)**
This course is designed to help students discover and develop their creative potential in dance. Free, structured, and guided improvisations, individually and in groups, are included. Short compositions, fusing creation with execution, will also be explored. Fulfills GE requirement for Performing Art.
Distribution: Advanced. Prerequisite: DANC 114, and DANC 115, and DANC 210 or equivalent.

**DANC 315 - GN: Dance Performance & Production (1 credits)**
This course consists of performance, choreography, and production work involved with dance as a performing art. Work in performance and technical areas is included, and participation in production is required. This course may be elected more than once for credit.
Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Artistic Expression (A) | Advanced. Prerequisite: DANC 210 or DANC 215, and enrollment by audition.

**DANC 316 - Dance Teaching Practicum (1 credits)**
This course is designed to develop insight and further competency by providing students with guided practical experiences in teaching dance for children and adults. May be repeated for credit up to three times.
Distribution: Advanced. Prerequisite: PETE111 OR FIT141 AND FIT142 AND PETE216 OR DANC216.

**DANC 317 - GE: Dance Repertory (1 credits)**
This course consists of a select dance ensemble that explores, creates and performs new and existing dance works. The dance repertoire studied will reflect a wide variety of genres including ballet, modern, jazz, tap and ethnic dance styles. Course content will include an advanced dance technique class in addition to rehearsals.
Distribution: GE: Humanities-Performing Arts; Advanced. Prerequisite: DANC114 AND DANC210 AND DANC215.

**DANC 320 - Dance for Musical Theatre (3 credits)**
This course introduces the student to musical theatre dance, which includes applications of ballet, jazz, and tap dance technique along with information on the history of musical theatre, significant representative musical productions, and choreographing for musicals. Prerequisite: Prior experience in dance technique required (ballet, modern, or jazz; DANC 114 or DANC 143 or DANC 210, or equivalent of at least 1 year previous dance experience).

Distribution: ADVD.

**DANC 342 - Seminar in Dance Education (2 credits)**
This course is designed to provide a cohesive overview of the field of dance education. Emphasis is placed on discussions of readings concerning the philosophical and practical approaches to teaching a variety of dance styles to children and adults. Concepts and issues raised by students will be reviewed and/or further discussed by the professor. Integration of courses in dance technique, improvisation and choreography, and dance pedagogy is a major objective of this seminar.


Digital Media Technologies

College of Arts and Sciences
Rosenkrans Hall East
570-422-3763
www.esu.edu/dmt

**About the Program**

**Bachelor of Science in Digital Media Technologies**
The Digital Media Technologies Department (DMT) prepares students to create media through a blend of hands-on teaching and applied theory of digital media. Ten foundation and production courses in interactive media, video and television production, graphics, audio, photography, web design, animation and media theory are required. Advanced level elective courses offer students specialization in media production and design or exploration into new and emerging technologies.

Our students use industry standard equipment, including a six-camera 4k TV studio, audio recording studio, portrait photography studio, multiple computer labs with powerful Mac and PC computers, 4k video cameras, VR Headsets, a VR Motion Capture Lab and all the production equipment needed to succeed in the major.

Student-run and DMT faculty-supervised television and photography clubs are available. Students from the Television Club and DMT are engaged in media productions that support local athletic, non-profits and other agencies. Productions are aired over the ESU Warrior TV channel and Blue Ridge cable television.

**Internships**
The DMT internship provides a unique learning experience that allows students to use the knowledge they have obtained in the classroom in a real-world setting. The internship experience takes place in a professional environment where the course work competencies are applied and refined. In planning for an internship, students are advised to discuss career goals, qualifications and potential internships with their academic adviser and department faculty. Ideally students should have completed basic and advanced courses in the media production area in which they plan to intern (12 credits). A 2.75 grade average in DMT courses, no incompletes in DMT courses, and faculty approval are required before enrolling in an internship. The internship application process must be supervised by the student’s DMT adviser.

**Is Digital Media Technologies a career path for me?**

**Career Potential**

- Multimedia producer and/or director
- Television, video, and post production
- Commercial Photographer
- Interactive and Social Media Creator
- Computer Graphics and Web design

**Career Settings**

- Television and audio studios
- Graphics firms
- Photography studios
- Web design and web media companies
- Interactive Media studios
- Multimedia companies
- Print publications

More detailed career information is available from the department.

**Are you interested in ...**

- Audio, video, and digital television production
- Graphics, interactive and social media
- Web design and web media publishing
- Photography

**Why Digital Media Technologies at ESU?**

- Student created media productions
- Small class sizes
- Professional level software and hardware
- Close faculty interaction
- Professional full semester internship experiences

Digital Media Technologies B.S.

**PROGRAM FEATURES**

57 Credits

**Required core courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMET 105</td>
<td>Introduction to Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>DMET 110</td>
<td>Introduction to Motion Media</td>
<td>3</td>
</tr>
<tr>
<td>DMET 140</td>
<td>Media Theories and Practices</td>
<td>3</td>
</tr>
<tr>
<td>DMET 155</td>
<td>Introduction to Web Design</td>
<td>3</td>
</tr>
<tr>
<td>DMET 160</td>
<td>Introduction to Multimedia</td>
<td>3</td>
</tr>
<tr>
<td>DMET 210</td>
<td>Television: Studio Production</td>
<td>3</td>
</tr>
<tr>
<td>DMET 230</td>
<td>Sound Recording</td>
<td>3</td>
</tr>
<tr>
<td>DMET 255</td>
<td>Digital Publishing for Graphics &amp; Web</td>
<td>3</td>
</tr>
<tr>
<td>DMET 440</td>
<td>Law and Ethics In Media</td>
<td>3</td>
</tr>
<tr>
<td>DMET 495</td>
<td>Seminar in Digital Media Technologies</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 42

and EITHER 12 credits of DMET 486 OR 12 credits in 300/400 level DMET courses in addition to those already included in the core and track requirements (3 of these 12 credits may be replaced with 300/400 level non-DMET courses, with adviser approval).

**Co-requisites:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 253</td>
<td>GN: Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>GN: Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 111</td>
<td>GN: Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>
(These 9 credits will count towards Directed General Education.)

**One of the following Tracks:**

**Photography Track:**
15 credits
- DMET 205 Photography: Wildlife and Nature 3
- DMET 305 Intermediate Digital Photo 3
- DMET 405 Commercial Photography 3
and any two of the following:
- DMET 310 TV: Studio Production II 3
- DMET 315 Electronic Field Production 3
- DMET 318 New Media Technologies 3
- DMET 350 Media Graphics and Designs 3
- DMET 355 Advanced Web Design 3
- DMET 410 Advanced Digital Production 3
- DMET 464 Digital Media and Technology Projects Semester hours arranged
- DMET 477 Interactive Media and Social Media 3
- DMET 478 Introduction to Interactive 3D 3

**Video and Television Track:**
15 credits
- DMET 310 TV: Studio Production II 3
- DMET 315 Electronic Field Production 3
- DMET 410 Advanced Digital Production 3
and any two of the following:
- DMET 305 Intermediate Digital Photo 3
- DMET 318 New Media Technologies 3
- DMET 350 Media Graphics and Designs 3
- DMET 355 Advanced Web Design 3
- DMET 405 Commercial Photography 3
- DMET 464 Digital Media and Technology Projects Semester hours arranged
- DMET 477 Interactive Media and Social Media 3
- DMET 478 Introduction to Interactive 3D 3

**Graphics and Web Design Track:**
15 credits
- DMET 350 Media Graphics and Designs 3
- DMET 355 Advanced Web Design 3
- DMET 375 Imaging Technology 3
and any two of the following:
- DMET 305 Intermediate Digital Photo 3
- DMET 310 TV: Studio Production II 3
- DMET 315 Electronic Field Production 3
- DMET 318 New Media Technologies 3
- DMET 405 Commercial Photography 3
- DMET 410 Advanced Digital Production 3
- DMET 464 Digital Media and Technology Projects Semester hours arranged
- DMET 477 Interactive Media and Social Media 3
- DMET 478 Introduction to Interactive 3D 3

**Interactive & Social Media Track:**
15 credits
- DMET 318 New Media Technologies 3
- DMET 355 Advanced Web Design 3
- DMET 477 Interactive Media and Social Media 3
- DMET 478 Introduction to Interactive 3D 3
and any one of the following:
- DMET 305 Intermediate Digital Photo 3
- DMET 310 TV: Studio Production II 3
- DMET 315 Electronic Field Production 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMET 205</td>
<td>Photography: Wildlife and Nature</td>
<td>3</td>
</tr>
<tr>
<td>DMET 305</td>
<td>Intermediate Digital Photo</td>
<td>3</td>
</tr>
<tr>
<td>DMET 405</td>
<td>Commercial Photography</td>
<td>3</td>
</tr>
<tr>
<td>DMET 310</td>
<td>TV: Studio Production II</td>
<td>3</td>
</tr>
<tr>
<td>DMET 315</td>
<td>Electronic Field Production</td>
<td>3</td>
</tr>
<tr>
<td>DMET 318</td>
<td>New Media Technologies</td>
<td>3</td>
</tr>
<tr>
<td>DMET 350</td>
<td>Media Graphics and Designs</td>
<td>3</td>
</tr>
<tr>
<td>DMET 355</td>
<td>Advanced Web Design</td>
<td>3</td>
</tr>
<tr>
<td>DMET 410</td>
<td>Advanced Digital Production</td>
<td>3</td>
</tr>
<tr>
<td>DMET 464</td>
<td>Digital Media and Technology Projects</td>
<td>Semester hours arranged</td>
</tr>
<tr>
<td>DMET 477</td>
<td>Interactive Media and Social Media</td>
<td>3</td>
</tr>
<tr>
<td>DMET 478</td>
<td>Introduction to Interactive 3D</td>
<td>3</td>
</tr>
<tr>
<td>DMET 350</td>
<td>Media Graphics and Designs</td>
<td>3</td>
</tr>
<tr>
<td>DMET 405</td>
<td>Commercial Photography</td>
<td>3</td>
</tr>
<tr>
<td>DMET 410</td>
<td>Advanced Digital Production</td>
<td>3</td>
</tr>
<tr>
<td>DMET 464</td>
<td>Digital Media and Technology Projects</td>
<td>Semester hours arranged</td>
</tr>
<tr>
<td>DMET 477</td>
<td>Interactive Media and Social Media</td>
<td>3</td>
</tr>
<tr>
<td>DMET 478</td>
<td>Introduction to Interactive 3D</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Track:**
15 credits
Any five of the following:
- DMET 305 Intermediate Digital Photo 3
- DMET 310 TV: Studio Production II 3
- DMET 315 Electronic Field Production 3
- DMET 318 New Media Technologies 3
- DMET 350 Media Graphics and Designs 3
- DMET 355 Advanced Web Design 3
- DMET 405 Commercial Photography 3
- DMET 410 Advanced Digital Production 3
- DMET 464 Digital Media and Technology Projects Semester hours arranged
- DMET 477 Interactive Media and Social Media 3
- DMET 478 Introduction to Interactive 3D 3

Additional requirements:
A 2.5 minimum GPA in all DMT courses.

**4 YEAR CURRICULUM PROGRAM PLAN - GENERAL TRACK**
(Subject to change by the university without notice)

**Freshman Year Fall**
- DMET 105 Introduction to Digital Photography 3
- DMET 140 Media Theories and Practices 3
- DMET 110 Introduction to Motion Media 3
- GenEd __ General Education elective 3
- GenEd __ General Education elective 3

**Subtotal:** 15

**Spring**
- DMET 160 Introduction to Multimedia 3
- DMET 210 Television: Studio Production 3
- DMET 230 Sound Recording 3
- GenEd __ General Education elective 3
- GenEd __ General Education elective 3

**Subtotal:** 15

**Sophomore Year Fall**
- DMET 315 Electronic Field Production 3
- DMET 255 Digital Publishing for Graphics & Web 3
- GenEd __ General Education elective 3
- GenEd __ General Education elective 3
- GenEd __ General Education elective 3

**Subtotal:** 15

**Spring**
- DMET 375 Imaging Technology 3
- GenEd __ General Education elective 3
- GenEd __ General Education elective 3
- GenEd __ General Education elective 3
- XXXX __ Elective 3

**Subtotal:** 15

**Junior Year Fall**
- DMET 440 Law and Ethics In Media 3
- GenEd __ General Education elective 3
- GenEd __ General Education elective 3

**Subtotal:** 15
### Two advanced DMET courses:
- **DMET 305** Intermediate Digital Photo 3
- **DMET 310** TV: Studio Production II 3
- **DMET 350** Media Graphics and Designs 3
- **DMET 355** Advanced Web Design 3
- **DMET 464** Digital Media and Technology Projects Semester hours arranged
- **DMET 477** Interactive Media and Social Media 3

Subtotal: 15

### Spring
- GenEd ____ General Education elective 3
- GenEd ____ General Education elective 3

### Three advanced DMET courses:
- **DMET 305** Intermediate Digital Photo 3
- **DMET 310** TV: Studio Production II 3
- **DMET 350** Media Graphics and Designs 3
- **DMET 355** Advanced Web Design 3
- **DMET 464** Digital Media and Technology Projects Semester hours arranged
- **DMET 477** Interactive Media and Social Media 3

Subtotal: 15

### Senior Year Fall
- **DMET 495** Seminar in Digital Media Technologies 3
- GenEd ____ General Education elective 3
- XXXX ____ Elective 3

### Two advanced DMET courses:
- **DMET 305** Intermediate Digital Photo 3
- **DMET 310** TV: Studio Production II 3
- **DMET 350** Media Graphics and Designs 3
- **DMET 355** Advanced Web Design 3
- **DMET 464** Digital Media and Technology Projects Semester hours arranged
- **DMET 477** Interactive Media and Social Media 3

Subtotal: 18

### Spring
- **DMET 486** Field Experiences and Internship (Semester hours arranged) 1 - 18

Subtotal: 12

For more information, contact the department at 570-422-3763 or email Richard Otto at rotto@esu.edu.

---

### Minor in Digital Media Technologies in Photography

**PROGRAM FEATURES**

21 Credits

**Required courses:**
- **DMET 105** Introduction to Digital Photography 3
- **DMET 140** Media Theories and Practices 3
- **DMET 155** Introduction to Web Design 3
- **DMET 160** Media Theories and Practices 3
- **DMET 205** Photography: Wildlife and Nature 3
- **DMET 305** Intermediate Digital Photo 3
- **DMET 405** Commercial Photography 3

---

### Digital Media Technologies Faculty

**Professor:**
Darlene Farris-Labar, Chair (dfarris@esu.edu)
Yi-hui Huang (yhuang@esu.edu)

**Associate Professor:**
Richard Otto (rotto@esu.edu)

**Assistant Professors:**
Nicholas D’Angelo (ndangelo@esu.edu)
Patricia Varkados (pvarkados@esu.edu)
Ahmed Yousof (ayousof@esu.edu)

**DMET - Digital Media Technologies Courses**

**DMET 100 - Black and White Photo I (3 credits)**
Introductory Technique in black and white still photography including camera operation, lens use, darkroom techniques (developing and enlarging), and photography are presented.
DMET 105 - Introduction to Digital Photography (3 credits)
This course will consist of picture taking, analysis, and technique applications. General topics include how a camera works, lighting, composition and how to take better pictures, how to choose and use digital photographic equipment and related accessories, and how to apply digital techniques to enhance and display images.

DMET 110 - Introduction to Motion Media (3 credits)
This course presents the common elements of basic motion media production. It includes the study of the theoretical, photographic, mechanical, and electronic methods used in the production of motion media. In addition to studying the various aspects of motion media, students will also produce motion media projects.

DMET 140 - Media Theories and Practices (3 credits)
Media practices, problems, and issues in a variety of settings are examined. Students collaborate to create an understanding of media theories, theorists, and major milestones in media research. This is a foundation survey course for the majors in Digital Media Technologies department.

DMET 155 - Introduction to Web Design (3 credits)
Students will be introduced to principles and techniques for web and interactive design and production. These principles will be applied in building web projects using web-authoring tools. Assignments will give students experience in the introductory web design, document structure and content, site management, and use of digital images and graphics.

DMET 160 - Introduction to Multimedia (3 credits)
This course introduces basic software and develops skills in message design, graphic design, and interactive web design. The course is a prerequisite for most of the other courses in the department.

DMET 205 - Photography: Wildlife and Nature (3 credits)
Methods for photographing wildlife and nature are explored. Equipment needs, fieldwork techniques, and special considerations necessary in performing wildlife and nature photography will be emphasized.

DMET 210 - Television: Studio Production I (3 credits)
Television studio production techniques including directing, lighting, audio, and camera operation are covered with actual practice and application in the TV studio. Students will script and produce a variety of television programs.

DMET 230 - Sound Recording (3 credits)
This course offers preparation necessary for successful activity in sound recording and reinforcement. It deals with the history of recorded sound, technical principles of microphone usage, console operations, multi-track recording and sound reinforcement in both analog and digital formats. The course includes hands-on experience in recording and editing sound in a variety of productions.

DMET 255 - Digital Publishing for Graphics & Web (3 credits)
This course provides the student with the necessary skills to design and produce layouts that would be used in various print, graphics, and web design formats. Topics include: graphic design, publication layout, web design, image publishing, typography, print media formats, image formats and type specification.

DMET 262 - Educational Communications and Technology (3 credits)
This course focuses on using current and emerging technologies to improve instruction and learning. Students are provided with technology resources and gain technological content knowledge. Activities include the design, production, selection and evaluation of instructional media for use in the classroom. Does not count toward credits needed for DMET majors.

Distribution: Information Literacy and Technology (I).

DMET 265 - Instructional Computing Methods (3 credits)
Techniques of using computers in the classroom will be presented. Students will become familiar with software and computer tools used for instructional and classroom administrative tasks. Prerequisite: DMET 262.

DMET 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

DMET 305 - Intermediate Digital Photo (3 credits)
Students will create photographic images in a variety of situations. These photographs will be manipulated using computer technology to create images that can be used in various media formats. Prerequisites: DMET 105 and 160.

Distribution: Advanced. Prerequisite: DMET 105 AND DMET 160.

DMET 310 - TV: Studio Production II (3 credits)
Studio production techniques beyond those presented in Television: Studio Production I including electronic special effects, computer graphics and the directing of programs to be broadcast from a television studio are covered. Prerequisite: DMET 210.


DMET 315 - Electronic Field Production (3 credits)
This course is designed for the acquisition of practical experience in electronic field production and post-production editing. Advanced skills in field directing, lighting and audio work will be developed. Students will effectively produce, direct and edit a variety of field based media programs.

Distribution: Advanced. Prerequisite: DMET 105 AND DMET 110.

DMET 318 - New Media Technologies (3 credits)
This course introduces students to new media development including social networking, interactive media, games, Internet, and virtual communities. The rapidity of change in media product development and evolving regulatory communications policy will be discussed. The work for this class includes designing, analyzing, and researching interfaces and existing systems.

Distribution: Advanced. Prerequisite: DMET 140.

DMET 350 - Media Graphics and Designs (3 credits)
This is an advanced level course which expands upon the concepts presented in Desktop Publishing. This course concentrates on producing layouts to be used in various media formats. Classroom demonstrations are presented, and students gain hands-on experience through work on assigned projects.

Distribution: Advanced. Prerequisite: DMET 255.

DMET 355 - Advanced Web Design (3 credits)
Advanced concepts and techniques of producing digital media will be presented with a focus on web pages distributed by Intranet, Internet, and mobile operating systems. Assignments will give students hands-on experience in web page design, production, and professional workforces. Topics include: Web page design, graphical user interface design, proper use of type and graphics in digital media, creating links, appropriate use of web programming, and integration of various media into digital media.

Distribution: Advanced. Prerequisite: DMET 155 AND DMET 255.

DMET 375 - Imaging Technology (3 credits)
This course offers advanced use of image design and production for education, marketing, business, and training. Extensive work will be on the use of the microcomputer as a tool in image creation. Animation, 3D effects, and overlay techniques will be introduced.

Distribution: Advanced. Prerequisite: DMET 160 AND DMET 255.
DMET 405 - Commercial Photography (3 credits)
Introductory Technique in black and white still photography including camera operation, lens use, darkroom techniques (developing and enlarging), and photography are presented. Distribution: Advanced. Prerequisite: DMET105 AND DMET160 AND DMET305.

DMET 410 - Advanced Digital Production (3 credits)
This course is designed to teach direction, camera operation, production, sound, lighting and other components for digital and high definition (HD) production. Webstreaming and multi-media convergence applications will be studied and utilized in projects. Distribution: Advanced. Prerequisite: DMET210 AND DMET315.

DMET 430 - Digital Entertainment (3 credits)
Digital Sports Entertainment Production Business Strategy explores the evolution of sports entertainment in Esports which we call eproduction. Traditional sports production is fully onsite and occurs with a single crew. Esports production reflects a more complex dynamic approach of cross functional and colaction teams across geographic spaces. In addition technological complexities are navigated across real time streaming platforms. Students will learn about the full production of virtual sports entertainment including full broadcast production. Prerequisite: DMET210 and DMET160.

DMET 440 - Law and Ethics In Media (3 credits)
This course offers an examination of the role of ethics and legal issues in the field of professional media. Students will study how society's ethical heritage provides a basis for guidance in ethical decision-making. Distribution: Advanced. Prerequisite: DMET140.

DMET 464 - Digital Media and Technology Projects (Semester hours arranged)
Students are provided with the opportunity to work on an in-depth project which presents experiences in planning, implementation, and follow-up activities. Projects are done with a cooperating faculty member. Distribution: Advanced.

DMET 475 - Educational Software for Computers (3 credits)
Students are provided with the opportunity to work on an in-depth project which presents experiences in planning, implementation, and follow-up activities. Projects are done with a cooperating faculty member. Distribution: Advanced. Prerequisite: DMET262 AND DMET470.

DMET 477 - Interactive Media and Social Media (3 credits)
This course is designed to introduce the student to the process of designing and creating interactive and social media. Students will analyze existing systems and design elements and apply them to their projects. Special emphasis is placed on the computer applications used to produce media. Students will gain practical experience in creating interactive and social media content using advanced software. Distribution: Advanced. Prerequisite: DMET 160 and DMET 318.

DMET 478 - Introduction to Interactive 3D (3 credits)
This course is designed to introduce students to technology for interactive 3D and motion graphics. Students will create interactive and motion graphics by utilizing 3D modeling techniques and interaction design principles. A mix of theory and hands-on experiences provides students with opportunities to create motion graphics and interactive content. Distribution: Advanced. Prerequisite: DMET 160 and DMET 477.

DMET 485 - Independent Study (Semester hours arranged) (1 - 6 credits)
Directed research and study on an individual basis. Distribution: Advanced.

DMET 486 - Field Experiences and Internship (Semester hours arranged) (1 - 18 credits)
The internship experience is designed to provide students with professional supervision in an on-the-job situation to apply these skills learned in the university classroom. Enrollment requires the completion of 90 semester hours, a 2.75 cumulative point average in the major, no incompletes in the major, and departmental approval. Distribution: Advanced.

DMET 495 - Seminar in Digital Media Technologies (3 credits)
Senior will engage in discussion and research on current digital media technology literature, theory and applications. The students will engage in professional development activities and conduct research pertaining to their field of study. Field experiences such as conferences, workshops, and interactive experiences with practitioners will be provided. Required for all Digital Media Technologies’ majors prior to internship or degree completion. Distribution: Advanced | Information Literacy/Technology (1). Prerequisite: DMET140 AND DMET440.

Early Childhood and Elementary Education

About the Programs
The four-year programs in Early Childhood (PreK-4) is designed to offer students a curriculum of general education and professional and early childhood education theory, application, and practice in teaching children. The curriculum is designed to develop a community of learners who are competent and reflective professionals able to teach any child in any setting.

The courses and extensive field based component develops beginning educator's knowledge, skills, and dispositions relevant to content, the learner and the learning environment, teaching and learning process, and professionalism.

Graduates of the Early Childhood Education Track I program will be eligible to apply for certification to teach in Pre-K to grade 4. Graduates of the Early Childhood Education Track II program will be prepared to work in a variety of education fields not requiring certification. Students interested in this age level can also combine preparation for Special Education certification with Early Childhood (PreK-4) Certification (see Special Education major (p. 1) for details).

Are you interested in ...
- Working with children
- Teaching others
- Using your creativity

Choose Early Childhood at ESU
- Qualified, experienced faculty
- Practical experience
- Accredited by NCATE

Is Early Childhood a career path for me?

Career Potential
- Preschool teacher
- Kindergarten teacher
- Elementary school teacher
- Educational Consultant
- Daycare Owner

Early Childhood Education B.S. - Track I Early Childhood Education Certification (Pre K-4th)

PROGRAM FEATURES
70 credits
Changes to the current program requirements have been submitted for approval and are under review. Please see your advisor or the department chair if you have any questions.

**Required major courses:**
- **61 credits**
  - ECED 232 Child Development and Cognition 3
  - OR
  - SPED 232 Child Development & Cognition 3
  - ECED 263 Foundations of Early Childhood Education 3
  - ECED 321 Enhancing Language and Cognitive Development 3
  - ECED 322 Family and Community Partnerships 3
  - ECED 323 Integrating the Curriculum: Projects and Play 3
  - ECED 331 Teacher as Researcher 3
  - ECED 332 Language Arts for Academic Success 3
  - ECED 333 Math I: Investigations and Integration 3
  - ECED 334 Designing and Managing the Early Childhood Literacy Environment 3
  - SPED 350 Assessment of Student Learning and Behavior in Diverse Communities 3
  - ECED 411 The Arts for the Developing Child 3
  - ECED 412 Math for Academic Success 3
  - ECED 413 Science for the Developing Child 3
  - ECED 414 Social Studies for the Developing Child 3
  - ECED 420 Advocacy, Leadership and Collaboration 1
  - REED 314 Foundations of Reading for the Developing Child 3
  - SPED 351 Collaboration for Inclusion 3
  - ECED 430 Student Teaching in Early Childhood Education I 6
  - ECED 431 Student Teaching in Early Childhood Education II 6

**Directed GE’s (co-requisites):**
- **9 credits**
  - MATH 105 Mathematical Problem Solving for Pre-K to Grade 8 Education Majors 3
  - MATH 205 Geometry for Pre-K to Grade 8 Education Majors 3
  - SOC 102 GN: Introduction to Cultural Diversity 3
  - PSY 105 GN: Infant and Early Childhood Developmental Psychology 3
  - ENGL ______ English Literature Course 3

**Required Professional Education courses:**
- **9 credits**
  - PSED 150 Introduction to Teaching All Students 6
  - DMET 262 Educational Communications and Technology 3

**Additional Requirements:**
All students must be admitted into the program prior to taking these classes. In order to be admitted to this program, students must meet the following requirements:
1. An overall QPA of 3.0 and a major QPA of 3.0.
2. Passing scores on the state mandated assessments in basic skills and general knowledge.
3. Successful completion of MATH 105 and MATH 205 and two English courses (ENG 103 and one English literature course).
4. Obtaining of all clearances and proof of professional liability insurance.
5. Interview and presentation of a Beginning Pre K-4th Professional Portfolio.

**4 YEAR CURRICULUM PROGRAM PLAN**
*(Subject to change by the university without notice)*

**Freshman Year Fall**
- PSED 150 Introduction to Teaching All Students 6
- ENGL 103 English Composition 3
- GenEd ______ General Education elective 3
- PSY 105 GN: Infant and Early Childhood Developmental Psychology 3
- Take PEARSON Pre-Service Academic Performance Assessment (PAPA) Reading, Writing, & Math 3

**Subtotal: 16**

**Spring**
- ECED 232 Child Development and Cognition 3
- GenEd ______ General Education Courses 3
- MATH 105 Mathematical Problem Solving for Pre-K to Grade 8 Education Majors 3
- ENGL ______ GE: English Literature 3
- SOC 102 GN: Introduction to Cultural Diversity 3

**Subtotal: 15**

**Sophomore Year Fall**
- ECED 263 Foundations of Early Childhood Education 3
- GenEd ______ General Education Courses 9
- MATH 205 Geometry for Pre-K to Grade 8 Education Majors 3
- FIT Elective 1

**Subtotal: 16**

**Spring**
- ECED 263: (PEARSON Pre-Service Academic Performance Assessment (PAPA) Passing Scores Required)
- DMET 262 Educational Communications and Technology 3
- GenEd ______ General Education Courses 12

**Subtotal: 15**

**Junior Year Fall**
- ECED 321 Enhancing Language and Cognitive Development 3
- ECED 322 Family and Community Partnerships 3
- ECED 323 Integrating the Curriculum: Projects and Play 3
- ECED 333 Math I: Investigations and Integration 3
- ECED 334 Designing and Managing the Early Childhood Literacy Environment 3

**Subtotal: 15**

**Spring**
- REED 314 Foundations of Reading for the Developing Child 3
- GenEd ______ General Education Courses 3
- ECED 411 The Arts for the Developing Child 3
- ECED 414 Social Studies for the Developing Child 3
- SPED 350 Assessment of Student Learning and Behavior in Diverse Communities 3

**Subtotal: 15**

**Senior Year Fall**
- ECED 332 Language Arts for Academic Success 3
- SPED 351 Collaboration for Inclusion 3
- ECED 412 Math for Academic Success 3
- ECED 413 Science for the Developing Child 3
- ECED 420 Advocacy, Leadership and Collaboration 1

**Subtotal: 13**

**Spring**
- ECED 331 Teacher as Researcher 3
- ECED 430 Student Teaching in Early Childhood Education I 6

**Subtotal: 15**

Note: Before registering for a course, students must satisfy prerequisites. Students should see Course Descriptions in the latest catalog. (Descriptions are available online for Undergraduate Courses and Graduate Course Description.)
For more information contact the Department of Early Childhood and Elementary Education at 570-422-3356 or www.esu.edu/eled.

**Early Childhood Education B.S. - Track II Early Childhood Education Professional**

**PROGRAM FEATURES**

69 credits

Changes to the current program requirements have been submitted for approval and are under review. Please see your advisor or the department chair if you have any questions.

**Required major courses**

60 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 232</td>
<td>Child Development and Cognition</td>
<td>3</td>
</tr>
<tr>
<td>SPED 232</td>
<td>Child Development &amp; Cognition</td>
<td>3</td>
</tr>
<tr>
<td>ECED 263</td>
<td>Foundations of Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>ECED 321</td>
<td>Enhancing Language and Cognitive Development</td>
<td>3</td>
</tr>
<tr>
<td>ECED 323</td>
<td>Integrating the Curriculum: Projects and Play</td>
<td>3</td>
</tr>
<tr>
<td>ECED 332</td>
<td>Language Arts for Academic Success</td>
<td>3</td>
</tr>
<tr>
<td>ECED 333</td>
<td>Math I: Investigations and Integration</td>
<td>3</td>
</tr>
<tr>
<td>ECED 334</td>
<td>Designing and Managing the Early Childhood Literacy Environment</td>
<td>3</td>
</tr>
<tr>
<td>ECED 411</td>
<td>The Arts for the Developing Child</td>
<td>3</td>
</tr>
<tr>
<td>ECED 486</td>
<td>Internship in Early Childhood</td>
<td>6</td>
</tr>
<tr>
<td>SPED 105</td>
<td>Special Education History and Law</td>
<td>3</td>
</tr>
<tr>
<td>SPED 214</td>
<td>Positive Behavior Support</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentrations**

24 credits (2 @ 12 credits each, with at least 16 credits total at the 300/400 level) including Curriculum, Creative Arts, Administration & Advocacy, Early Intervention, Diverse Learners, Reading, Health

**Required Professional Education**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSED 150</td>
<td>Introduction to Teaching All Students</td>
<td>6</td>
</tr>
<tr>
<td>DMET 262</td>
<td>Educational Communications and Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional Requirements**

All students must be admitted into the program prior to taking these classes. In order to be admitted to this program, students must meet the following requirements:

1. An overall QPA of 2.75 and a major QPA of 2.75.
2. Successful completion of MATH 105 and MATH 205 and two English courses (ENG 103 and one English literature course).
3. Obtainment of all clearances and proof of professional liability insurance.
4. Interview and presentation of a Beginning Pre K-4th Professional Portfolio.

**Directed GE’s (co-requisites)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 105</td>
<td>Mathematical Problem Solving for Pre-K to Grade 8 Education Majors</td>
<td>3</td>
</tr>
<tr>
<td>MATH 205</td>
<td>Geometry for Pre-K to Grade 8 Education Majors</td>
<td>3</td>
</tr>
<tr>
<td>PSY 105</td>
<td>GN: Infant and Early Childhood Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>GN: Introduction to Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>ENGL ____</td>
<td>English Literature Course</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours: 120**

For more information contact the Department of Early Childhood and Elementary Education at 570-422-3356 or www.esu.edu/eled.

**Early Childhood and Elementary Education Faculty**

**Professors:**
- Alberto Alegre (aalegre@esu.edu)
- Craig Wilson (cwilson@esu.edu)

**Associate Professors:**
- Nurum Begum (nbegum@esu.edu)
- Alison Rutter (arutter@esu.edu)
- Andrew Whitehead, Chair (awhitehead@esu.edu)

**Assistant Professor:**
- Laureen E. Nelson (lnelson5@esu.edu)

**ECED - Early Childhood Education Courses**

**ECED 232 - Child Development and Cognition (3 credits)**

This course presents typical and atypical development from conception through age nine; interaction between heredity and environment; parent-child relations; development and stabilization of personality; attitudes toward self and others, physical, social, and cognitive development. Particular emphasis is placed on understanding special needs of students. Prerequisite: ENGL103.

**ECED 262 - Intro to Early Childhood Educ (3 credits)**

This course includes the study of infants, toddlers, nursery school, kindergarten and primary school-aged children; a historical perspective of early intervention models, materials, equipment, and developmentally appropriate practices for use in a pre-school center, primary school, and the home; an evaluation of current trends and issues related to guiding and educating young children including the exceptional child. This course is directed toward prospective teachers and parents.

**ECED 263 - Foundations of Early Childhood Education (3 credits)**

This course includes the study of programs serving all children from birth to fourth grade in a variety of settings. A survey of the early childhood field, historical perspectives, evidence-based models, and current best practices are explored both in the classroom and through observations and fieldwork. The formal application for admittance to the department occurs in this course.

**ECED 321 - Enhancing Language and Cognitive Development (3 credits)**

The student will explore the links between brain development and the developing cognitive and language skills of the typically and atypically developing young child. The student will interact with children and families in culturally and linguistically diverse settings. Distribution: Advanced.

**ECED 322 - Family and Community Partnerships (3 credits)**

This course uses ecological perspectives and systems theories to examine the influence of families and communities on children’s success in school. The course provides opportunities for developing collaborative relationships with all parents, including those with limited English proficiency, disabilities and culturally diverse communities. Distribution: Advanced.

**ECED 323 - Integrating the Curriculum: Projects and Play (3 credits)**

This course will provide opportunity for students to plan, implement and document the integrative possibilities in the prekindergarten-kindergarten curriculum. Play theories, research and methods are examined that encourage the development of intellectual dispositions in various cultures and contexts. Project work in PreK classrooms will provide opportunities to observe, facilitate, differentiate, and document emergent curriculum and aspects of all children’s learning. Distribution: Advanced.
ECED 324 - Philadelphia Urban Seminar (3 credits)
This course is a clinical immersion experience for students desiring to learn about and participate in urban school and communities. The seminar provides students with two weeks urban classroom teaching under the guidance of a mentor teacher and university faculty instructor, professional development workshops, small group class discussion sessions, guided reflections and a weekend community service project. Distribution: Advanced. Prerequisite: ECED232 OR PSED161 OR PSED242 OR PSED150.

ECED 331 - Teacher as Researcher (3 credits)
This course offers students strategies and tools for developing a comprehensive approach to assessing student learning. Various assessment topics will be discussed, including how to use various types of data to make instructional decisions to advance student success. Distribution: Level III Writing (W3) Advanced. Prerequisite: Level II Writing course, completion of all other ECED courses except student teaching, co-requisite: ECED 430/431 Student Teaching. Must have 3.0 GPA to enroll.

ECED 332 - Language Arts for Academic Success (3 credits)
This course is designed to provide candidates with language and literacy skills for children in kindergarten through fourth grade in elementary school. The three major foci of the course include language and literacy, children's literature, and English language learners. Appropriate teaching strategies, techniques and assessments to implement these essential elements into an effective language learning environment for young learners will be explored. Distribution: Advanced.

ECED 333 - Math I: Investigations and Integration (3 credits)
This course is a study of early mathematical development and math concepts appropriate for P-K learners, including numbers, patterns, space/shape, measurement, data and problem-solving. Developmentally appropriate experiences in math, integrated with music and movement, will focus on standards, curriculum, assessment and planning to advance early learning. Distribution: Advanced.

ECED 334 - Designing and Managing the Early Childhood Literacy Environment (3 credits)
This course will provide the student with the building blocks for designing and managing a healthy, respectful, literacy-rich, and challenging learning environment for young children. Topics will include techniques for establishing routines and classroom management, designing the indoor and outdoor environments, planning experiences to promote multiple literacies and develop a community of learners. Distribution: Advanced.

ECED 411 - The Arts for the Developing Child (3 credits)
Students will examine the unique role of dance, drama, music, and visual arts in the learning and development of all children Pre K through age 9. Students will engage in a variety of experiences to develop the knowledge, creative dispositions, and pedagogical skills to effectively integrate the arts in the PreK-4 classroom. Distribution: Advanced.

ECED 412 - Math for Academic Success (3 credits)
Students in this course learn how to plan, implement, and reflect on manipulative-based math lessons that are grounded in a coherent curriculum, and that meet the developmental needs of children in an early childhood mathematics classroom. They also become familiar with methods for integrating technology such as computers and calculators and alternative assessment techniques in an early childhood mathematics classroom. Distribution: Advanced.

ECED 413 - Science for the Developing Child (3 credits)
This course engages students in developing their understandings of concepts, standards, methods, and materials for teaching science for the developing child. The primary focus is on the use of inquiry and activity-based methods. Weekly field experience in a Professional Development School will emphasize the application of course content and instructional theories to teaching. Distribution: Advanced.

ECED 414 - Social Studies for the Developing Child (3 credits)
This course is designed to provide the student with the theoretical base, knowledge, skills, and practice in teaching social studies to children in PreK through fourth grade. It builds on and enhances social science content knowledge in civics and government, geography, history, and economics to support successful classroom teaching and student academic achievement. Distribution: Advanced.

ECED 420 - Advocacy, Leadership and Collaboration (1 credit)
This practicum course, taken during Student Teaching, will afford opportunities for students to expand their role as reflective and deliberate decision makers in the Prekindergarten-4th classroom, school, and community. Students will discover creative ways to communicate their findings and advocate for young children and their families in the school and community. Distribution: Advanced.

ECED 430 - Student Teaching in Early Childhood Education I (6 credits)
This course is a semester of guided teaching in two settings: a Pre K or Kindergarten and a 1st - 4th classroom in an elementary school. As the capstone experience of your teacher education at East Stroudsburg University, the Resident Student Teaching Semester is an integral experience in the transition from university student to beginning educator. During this semester you will have the opportunity to integrate your knowledge, skills and professional dispositions, embedding theory in practice as you craft your own unique identity as a Beginning Educator. Distribution: Advanced.

ECED 431 - Student Teaching in Early Childhood Education II (6 credits)
Student Teaching II is a continuation of the student teaching process to more fully master skills. As the capstone experience of your teacher education at East Stroudsburg University, the Resident Student Teaching Semester is an integral experience in the transition from university student to beginning educator. During this semester you will have the opportunity to integrate your knowledge, skills and professional dispositions, embedding theory in practice as you craft your own unique identity as a Beginning Educator. Distribution: Advanced (ADVD).

ECED 465 - Early Childhood Curriculum II - 3 to 6 Years (3 credits)
This course uses observations and interactions with children, teachers, and families to examine typical and atypical development of preschoolers. Students observe and participate in programs to examine appropriate physical and psychological environments, learn to construct appropriate curriculum, gain practice in responsive teacher-child interactions, engage in systematic observations and begin to establish collaborative professional relationships with families and other early childhood educators. Distribution: Advanced. Prerequisite: ECED132 AND ELED262.

ECED 486 - Internship in Early Childhood (6 credits)
This internship is designed for the student who is interested in working with young children and their families in a non-public school setting. It is designed to provide the student with the opportunity to develop further
competencies and understandings of one or more aspects of early childhood education. Placement is arranged on an individual basis. It is expected that the intern will contribute to the welfare of the organization by engaging in experiences that are "value added" and it is expected that the placement site will contribute to the professional development of the intern by providing experiences that are standards-based, substantial, relevant, and developmental and will facilitate the contribution of the intern to the professional community. Prerequisites: All courses for EC Professional Program and Department Admittance.

Distribution: Advanced.

**ECED 489 - Organization and Administration of Early Childhood Programs (3 credits)**

This course emphasis is on organization and administration of high quality pre-school programs, including supervising, staffing, housing, equipment, programs, records, financing and budgeting, and parent involvement. The course is directed toward prospective early childhood teachers and day care center personnel

Distribution: Advanced. Prerequisite: ECED132 AND ELED262.

**ECED 495 - Seminar in Early Childhood Education (3 credits)**

This course emphasizes current trends, issues, and problems related to educating young children. It includes a survey of the many resources available as well as opportunities to meet with and benefit from the experiences of several practicing professionals

Distribution: Advanced. Prerequisite: ECED132 AND ELED262.

---

**Earth and Space Science**

**College of Arts and Sciences**

**The Faculty of Science**

Science & Technology Building, Room 320

570-422-3341

www.esu.edu/physics

---

**About the Program**

Two programs are available in Earth and Space Science.

The Bachelor of Arts in Earth and Space Science is designed for students who seek a broad background in the earth and space sciences, including astronomy, geology, meteorology and oceanography. Students can choose between two concentrations.

- **General concentration**: The General concentration provides a broad background in all four areas along with a few courses that examine areas of interest to the student. Typically, this concentration is chosen in coordination with a major in a related field.

- **Secondary Education concentration**: The Secondary Education concentration mirrors the general concentration but also includes additional courses in education. A graduate of this program will be eligible for Pennsylvania teacher certification in earth and space science for grades 7-12 (dependent on grade point average and qualifying score on teacher examination).

Students interested in a career in one of the Earth and Space Sciences are encouraged to pursue the Bachelor of Science in Physics with the Earth and Space Science concentration, which provides a strong base for future study in one or more of the Earth and Space Sciences (i.e., Astronomy, Geology, Meteorology, Oceanography). See the Physics section of this catalog for more information.

**Are you interested in ...**

- Astronomy
- Geology
- Meteorology
- Sharing your love of science with others
- Helping others learn science

---

**Choose Earth and Space Science at ESU**

- Small class sizes
- Hands-on environment
- Highly qualified and experienced faculty

**Is earth and space science a career path for me?**

**Career Potential**

- Earth science equipment specialists
- Science writing
- Earth and space science data analysis
- High School Astronomy teacher
- High School Earth Science teacher
- Junior High School Earth Science teacher

**Career Settings**

- Local, state and governmental agencies
- National and private laboratories
- Equipment and technical companies
- Public and Private schools

More detailed career information is available from the department.

---

**Earth and Space Science B.A. - Concentration: General**

**PROGRAM FEATURES**

57 credits

**Required core courses (required of all tracks):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 474</td>
<td>Introduction to Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>GEOG 121</td>
<td>GN: Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 220</td>
<td>GE: Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 126</td>
<td>GN: Introduction to Weather Forecasting</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>GN: Astronomy: The Sky and Solar System</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>GN: Astronomy: Stars and Galaxies</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 124</td>
<td>Observational Astronomy Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 131</td>
<td>GN: Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 161</td>
<td>GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 132</td>
<td>GE: Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 162</td>
<td>GE: Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 304</td>
<td>Modern Physical Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 305</td>
<td>Physics of the Atmosphere</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 495</td>
<td>Senior Capstone</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 321</td>
<td>GE: Geomorphology</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 44

**Choose two courses from the following list:**

At least one of the courses must be BIOL 200, BIOL 210, CHEM 108, CHEM 373 or GEOG 422.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 104</td>
<td>GN: Human Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 200</td>
<td>General Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 210</td>
<td>GE: Environmental Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 322</td>
<td>Plant Responses to Environmental Stress</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 428</td>
<td>Biogeography</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 440</td>
<td>General Aquatic Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 441</td>
<td>Ecology of Water Pollution</td>
<td>3</td>
</tr>
</tbody>
</table>

---
BIOL 443  Stream Ecology  3
BIOL 446  Limnology  3
BIOL 457  Behavioral Ecology  3
BIOL 460  Marine Ecology  3
BIOM 401  Biological Oceanography  3
BIOM 458  Coastal Environmental Oceanography  3
BIOM 459  Advanced Methods in Coastal Ecology  3
BIOM 460  Marine Ecology  3
BIOM 467  Marine Pollution Research Cruise  3
BIOM 469  Field Methods in Oceanography  3
BIOM 480  Oceanography  3
BIOM 482  Field Studies in Oceanography  3
CHEM 108  GN: Environmental Chemistry  3
CHEM 124  GE: General Chemistry II  3
CHEM 233  Organic Chemistry I  3
CHEM 373  Environmental Quality: The Chemical Approach  4
CPSC 130  GN: Introduction to Computer Programming I  3
GEOG 320  GE: Climatology  3
GEOG 341  Geographic Information Systems  3
GEOG 422  Watershed Hydrology  3
GEOG 440  Field Tech Geography  3
PHYS 261  Physics III  3

Subtotal: 6-8

Co-requisite core courses: (required of all tracks)
MATH 140  GN: Calculus I  4
CPSC ___  CPSC Elective  3

Subtotal: 7

Additional Requirements (for all tracks)
• At least 9 credits of required courses (not co-requisites), 300-level or above, must be completed at ESU.
• A minimum of a "C-" must be attained in all required major and cognate courses.

4 YEAR CURRICULUM PROGRAM PLAN (GENERAL)
(Subject to change by the university without notice)

Freshman Year Fall
FYE 100  University Studies  3
GEOG 121  GN: Physical Geology  3
PHYS 121  GN: Astronomy: The Sky and Solar System  3
GenEd ___  General Education Elective (Group A)  3
ENGL 103  English Composition  3

Subtotal: 15

Group A General Education Elective: CMST 111 Speech Communication is recommended.

Spring
PHYS 131  GN: Fundamental Physics I  4
GEOG 220  GE: Meteorology  3
PHYS 126  GN: Introduction to Weather Forecasting  3
GenEd ___  General Education Elective (Group A)  3
GenEd ___  General Education Elective (Group C)  3

Subtotal: 16

Junior Year Fall
GenEd ___  General Education Elective (Group C)  3
PHYS 132  GE: Fundamental Physics II  4
CHEM 121  GN: General Chemistry I  3
CHEM 123  GN: General Chemistry I Lab  1
GEOG 321  GE: Geomorphology  3

Subtotal: 14

Spring
BIOL 474  Introduction to Oceanography  3
EnvirSci ___  Environmental Science Elective  3
XXXX ___  Earth and Space Science Elective  3
XXXX ___  Elective  3
XXXX ___  Elective  3
XXXX ___  Elective  3

Subtotal: 15

Senior Year Fall
PHYS 304  Modern Physical Astronomy  3
XXXX ___  Elective  3
XXXX ___  Elective  3
XXXX ___  Elective  3
XXXX ___  Elective  3

Subtotal: 15

For more information, contact Program Coordinator David Buckley at 570-422-3351 or dbuckley@esu.edu.

Earth and Space Science B.A. - Concentration: Secondary Education

PROGRAM FEATURES
Secondary Education

Co-requisites:
Co-requisite courses for Secondary Education track:
PSED 161  Foundations of Education  3
PSED 250  The Psychology of Learners In Diverse Communities  3
PSED 420  Seminar in Secondary Education I: Instructional Structures and Strategies  3
PSED 421  Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom  3

Subtotal: 15
A minimum of a "C-" must be attained in all required major and 373 or GEOG 422.

At least one of the courses must be BIOL 200, BIOL 210, CHEM 108, CHEM 373 or GEOG 422.

Choose two courses from the following list:
At least one of the courses must be BIOL 200, BIOL 210, CHEM 108, CHEM 373 or GEOG 422.
<table>
<thead>
<tr>
<th>Junior Year Fall</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 220 GE: Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>PHYS 126 GN: Introduction to Weather Forecasting</td>
<td>3</td>
</tr>
<tr>
<td>SPED 350 Assessment of Student Learning and Behavior in Diverse Communities</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____ General Education Elective (Group A)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____ General Education Elective (Group C)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 16</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PSED 420 Seminar in Secondary Education I: Instructional Structures and Strategies</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 474 Introduction to Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>EnvirSci ____ Environmental Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____ General Education Elective (Group A)</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 305 Physics of the Atmosphere</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 495 Senior Capstone</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 17</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year Fall</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom</td>
<td>3</td>
</tr>
<tr>
<td>PSED 446 Teaching of Science in the Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 304 Modern Physical Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____ General Education Elective (Group C)</td>
<td>3</td>
</tr>
<tr>
<td>xxx ____ Earth and Space Science Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 18</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PSED 430 Student Teaching in Secondary Education/ Middle School/Junior High School</td>
<td>6</td>
</tr>
<tr>
<td>PSED 431 Student Teaching in Secondary Education/ Senior High School</td>
<td>6</td>
</tr>
<tr>
<td>PHYS 499 Student Teaching Internship</td>
<td>1</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

For more information, contact Program Coordinator, Robert Cohen at 570-422-3286 or rcohen@esu.edu.

**Earth and Space Faculty**

**Professors:**
- David Buckley (dbuckley@esu.edu)
- Robert Cohen, Chair (rcohen@esu.edu)
- John Elwood (jelwood@esu.edu)

**Associate Professor:**
- Jerry Ross (jross@esu.edu)

**Economics**

**College of Arts and Sciences**
- **The Faculty of Social Sciences**
  - **Stroud 408**

**Academic Opportunities**

Economics students have the opportunity to write for the E-News, a well-established and respected newsletter that has been published since 1997 and is staffed exclusively by student editors. Students are guided by faculty to research and publish articles on international, national and regional economic trends as well as topics related to finance, investment and business issues. Each year the Economics faculty supervises and helps interested and qualified students research, prepare and present papers at the Annual Undergraduate Research Conference at Ursinus College, Pennsylvania Economic Association Annual Conference, Eastern Economic Association Annual Conference, etc.

Students can join the Economics Club, and Investment Club, a student organization that helps promote economic and finance career interests. They can also benefit from various guest speaker lectures and educational visits to the Federal Reserve, investment banks, various government offices, and businesses in nearby cities like New York City, Philadelphia, and Washington, D.C.

Omicron Delta Epsilon (ODE), the International Honor Society in Economics, confers distinction for high scholarly achievement in Economics. The Alpha Xi Chapter at ESU has proudly inducted close to 300 students into ODE since its inception. Every year, three outstanding economics students are offered scholarships, namely: Constantinos Christofides Scholarship in Economics, Starner Scholarship and DeLarco Scholarship.

Students interested in pursuing a career in banking are also offered an opportunity to take part in the internationally recognized Bloomberg Aptitude Test, which is administered every semester in the Kemp Library. This test is widely used by many Wall Street banks and financial institutions when hiring interns and entry-level employees.

The faculties are actively involved in research projects both individually and through the Business Economics Research Group of ESU (BERG), and enjoy great success in procuring funded research projects from both government and private sources. Students benefit by serving as research assistants and contributors under the guidance of experienced faculty researchers.

**About the Program**

The Bachelor of Arts Degree in Economics provides students with the opportunity to obtain a foundation in traditional economic theory and real life applications that are the basis for analytical thinking and sound managerial decision making. Economics students may choose to specialize in any one of three areas: General Economics, Global Economics or Finance.

With its focus on economic theory, analytical rigor and strong research skills, the Economics degree program at ESU prepares students for careers in management, finance and administration in business and the public sector. Students who enter the work force report that they are involved in successful careers at greater than average starting salaries. Students majoring in Economics are also well-prepared for higher education in business, economics, public administration, banking and law.

Graduates who apply to prestigious MBA, law and graduate schools have found that the analytical skills inherent in the economics program are sought after and respected by the best graduate schools.

**Mission**
To provide an excellent undergraduate economics education so that students can critically analyze issues related to the domestic and global economy, financial markets, business and governmental policy, and to prepare them for a successful career or to pursue graduate studies in economics, finance, business management, law and related fields.

The department is characterized by great cultural and programmatic diversity. Students are exposed to a number of traditional and contemporary economics, finance and business and economics courses from experienced faculty whose combined professional interests and expertise cover all of the following areas:

- Economic Theory and Applications
- Business Analytics
- Finance and Accounting
- Global and Regional Economics
- Labor Economics
- Money and Banking

**Did You Know?**

- Economics majors are paid one of the highest salaries of all majors?
- Economics majors receive one of the highest scores on the LSAT?
- Richard Silverman, admissions director for the Yale School of Management, said: "The best people are more frequently taking economics as their major... It shows they have the intellectual fire in the belly to perform well in an MBA program."

**Is Economics a career path for me?**

**Career Settings**
The Bachelor of Arts Economics degree prepares students for either graduate studies or careers in:

- Money and Banking
- International Trade and Global Markets
- Business Economics
- Operations Research
- Labor Economics
- Government and Politics
- Forecasting and Actuarial Work

More detailed career information is available from the department.

**Economics B.A.**

**PROGRAM FEATURES**

39 credits

**Required Courses for Finance Concentration:**

**Core Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 111</td>
<td>GN: Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 112</td>
<td>GN: Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 311</td>
<td>GE: Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 312</td>
<td>GE: Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 336</td>
<td>Money &amp; Capital Markets</td>
<td>3</td>
</tr>
<tr>
<td>ECON 495</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MGT 301</td>
<td>Financial Management I</td>
<td>3</td>
</tr>
</tbody>
</table>

**plus FIVE ELECTIVES from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 314</td>
<td>International Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECON 332</td>
<td>Forecasting Methods</td>
<td>3</td>
</tr>
<tr>
<td>ECON 411</td>
<td>Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECON 412</td>
<td>Money And Banking</td>
<td>3</td>
</tr>
<tr>
<td>MGT 307</td>
<td>Financial Management II</td>
<td>3</td>
</tr>
<tr>
<td>MGT 315</td>
<td>Entrepreneurial Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 319</td>
<td>International Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 340</td>
<td>Investment Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Co-requisites:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 200</td>
<td>Principles of Management</td>
<td></td>
</tr>
<tr>
<td>MGT 204</td>
<td>Principles of Marketing</td>
<td></td>
</tr>
<tr>
<td>MGT 211</td>
<td>Financial Accounting Fundamentals</td>
<td></td>
</tr>
<tr>
<td>MGT 250</td>
<td>Quantitative Business Analysis</td>
<td></td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td></td>
</tr>
</tbody>
</table>

**plus ONE MATH from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 130</td>
<td>GN: Applied Algebraic Methods</td>
<td>3</td>
</tr>
<tr>
<td>MATH 131</td>
<td>GE: Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 135</td>
<td>GN: Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Required Courses for General Economics Concentration:**

**Core Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 111</td>
<td>GN: Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 112</td>
<td>GN: Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 311</td>
<td>GE: Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 312</td>
<td>GE: Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 321</td>
<td>GE: History of Economic Thought</td>
<td>3</td>
</tr>
<tr>
<td>ECON 495</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MGT 301</td>
<td>Financial Management I</td>
<td>3</td>
</tr>
</tbody>
</table>

**plus FIVE ECON ELECTIVES 300 or higher**

**Co-requisites:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 211</td>
<td>Financial Accounting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MGT 212</td>
<td>Managerial and Cost Accounting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**plus ONE MATH from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 130</td>
<td>GN: Applied Algebraic Methods</td>
<td>3</td>
</tr>
<tr>
<td>MATH 131</td>
<td>GE: Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 135</td>
<td>GN: Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Required Courses for Global Economics Concentrations:**

**Core Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 111</td>
<td>GN: Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 112</td>
<td>GN: Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 311</td>
<td>GE: Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 312</td>
<td>GE: Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 313</td>
<td>GE: International Trade</td>
<td>3</td>
</tr>
<tr>
<td>ECON 321</td>
<td>GE: History of Economic Thought</td>
<td>3</td>
</tr>
<tr>
<td>ECON 495</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MGT 301</td>
<td>Financial Management I</td>
<td>3</td>
</tr>
</tbody>
</table>

**plus FOUR ELECTIVES from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 314</td>
<td>International Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECON 315</td>
<td>International Law in Global Economic Relations</td>
<td>3</td>
</tr>
<tr>
<td>MGT 319</td>
<td>International Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>ECON 432</td>
<td>Economic Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>ECON 442</td>
<td>Comparative Economic Systems</td>
<td>3</td>
</tr>
<tr>
<td>MGT 362</td>
<td>Globalization &amp; International Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Co-requisites:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 211</td>
<td>Financial Accounting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MGT 212</td>
<td>Managerial and Cost Accounting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**plus ONE MATH from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 130</td>
<td>GN: Applied Algebraic Methods</td>
<td>3</td>
</tr>
<tr>
<td>MATH 131</td>
<td>GE: Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 135</td>
<td>GN: Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>
Additional requirements:
- Please see the university requirements.
- Note: Economics majors must (1) complete at least five courses at ESU with rubrics that begin with ECON and (2) attain a QPA of 2.25 or better in all Economics courses taken at ESU. The quantitative requirements should be completed as early as possible.

PROGRAM CURRICULUM PLAN

I. Required Courses:
   - ECON 111: GN: Principles of Macroeconomics 3
   - ECON 112: GN: Principles of Microeconomics 3
   - ECON 311: GE: Intermediate Macroeconomics 3
   - ECON 312: GE: Intermediate Microeconomics 3
   - ECON 321: GE: History of Economic Thought 3
   - ECON 495: Senior Seminar 3
   - MATH 110: GN: General Statistics 3
   - MATH 130: GN: Applied Algebraic Methods 3
   - MGT 301: Financial Management I 3

II. 12 Additional Credits in Economics

Students are required to select four additional courses from the following areas:

A. Quantitative
   - ECON 322: GE: Labor Economics 3
   - ECON 332: Forecasting Methods 3
   - ECON 413: Managerial Economics 3
   - ECON 415: Econometrics 3
   - MGT 350: Quantitative Business Analysis II 3
   - MGT 451: Management Science I 3

B. Global/International
   - ECON 313: GE: International Trade 3
   - ECON 314: International Finance 3
   - ECON 432: Economic Growth and Development 3
   - MGT 362: Globalization & International Management 3

C. Financial and Monetary Economics
   - ECON 336: Money & Capital Markets 3
   - ECON 411: Public Finance 3
   - ECON 412: Money And Banking 3
   - MGT 307: Financial Management II 3
   - MGT 342: Investment Analysis 3

4 YEAR CURRICULUM PROGRAM PLAN

Subject to change by the university without notice.

Freshman Year Fall
   - FYE 100: University Studies 3
   - HPLW 105: Health Promotion and Lifetime Wellness 3
   - ENGL 103: English Composition 3
   - ECON 111: GN: Principles of Macroeconomics 3
   - GN:____: General Education Elective - Arts & Letters 3

Subtotal: 15

Spring
   - ECON 112: GN: Principles of Microeconomics 3
   - MATH 110: GN: General Statistics 3
   - GN:____: General Education Elective - Social Science 3
   - GN:____: General Education Elective - Arts & Letters 3
   - GN:____: General Education Elective - Natural Science 3

Subtotal: 15

Sophomore Year Fall
   - ECON 311: GE: Intermediate Macroeconomics 3

Subtotal: 15

Junior Year Fall
   - ECON 336: Money & Capital Markets 3
   - GN:____: General Education Elective - Natural Science 3
   - GN:____: General Education Elective - Social Science 3

Subtotal: 15

Spring
   - ECON____: Economics Elective 3
   - XXXX____: Elective 3

Subtotal: 15

Senior Year Fall
   - ECON____: Economics Elective 3
   - ECON____: Economics Elective 3
   - XXXX____: Elective 3
   - XXXX____: Elective 3

Subtotal: 15

Spring
   - ECON 495: Senior Seminar 3
   - ECON____: Economics Elective 3
   - XXXX____: Elective 3

Subtotal: 15

For more information, contact the department at 570-422-3148 or visit www.esu.edu/econ.

Economics Minor

PROGRAM FEATURES

18 credits

Required courses:

Six Economics courses (18) credits including:
   - ECON 111: GN: Principles of Macroeconomics 3
   - ECON 112: GN: Principles of Microeconomics 3

Subtotal: 15
ECON 311 GE: Intermediate Macroeconomics 3
Or
ECON 312 GE: Intermediate Microeconomics 3
And
any three additional ECON courses
A minimum of three courses must be 300 or 400 level.

Additional requirements:
• At least three of the six required courses for the Minor in Economics must be completed at ESU.

Economics and Management Interdisciplinary Minor

PROGRAM FEATURES
21 credits

Required courses:
Four economics courses including:
ECON 111 GN: Principles of Macroeconomics 3
ECON 112 GN: Principles of Microeconomics 3
and any two additional ECON courses.

Three Management courses including:
MGT 200 Principles of Management 3
and any two additional MGT courses. A minimum of three courses (9) credits of the minor’s total of seven courses must be 300 or 400 level

Additional requirements:
• At least four of the seven required courses for the Minor must be completed at ESU. This minor is NOT available to Economics or Management majors.

Economics Faculty
Professor:
Pattabiraman Neelakantan (pats@esu.edu)
Associate Professor:
Todd Behr (tbehr@esu.edu)

ECON - Economics Courses

ECON 111 - GN: Principles of Macroeconomics (3 credits)
This course is an introduction to the theory of income determination. It covers the topics of national income accounting, inflation, unemployment, fiscal policy, and monetary policy. A survey of consumption, investment, and multiplier theory is also provided

ECON 112 - GN: Principles of Microeconomics (3 credits)
This course is an introduction to price theory, including theory of consumer behavior, production theory, and cost analysis; the study of commodity pricing under conditions of perfect competition, monopoly and imperfect competition; a survey of distribution theory, factor pricing, and international trade and finance

ECON 122 - GN: Personal Finance (3 credits)
This course consists of an analysis of human wants in the process of maximizing satisfactions; consumption and patterns of family life cycle are explored. Emphasis is on the individual and the principles and techniques which govern successful consumer behavior in the areas of budget planning, consumption expenditures, and credit transactions. Recent changes in consumerism are explored


ECON 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

ECON 301 - Modern Economic Issues (3 credits)
The course critically examines key economic challenges facing the modern society such as income inequality, poverty, crime, education, environment, international trade, national debt, social security and discrimination using economic analysis and evaluates the impact of various policy options to solve them.
Distribution: Advanced. Prerequisite: ECON111 or ECON112.

ECON 311 - GE: Intermediate Macroeconomics (3 credits)
Reviews and extends the theory of income determination, surveys consumption theories, and analyzes problems of inflation and unemployment. It includes critical evaluations of fiscal, monetary, and income policies, as well as a brief introduction to modern theories of growth.
Distribution: GE: Social Sciences-Economics; Advanced. Prerequisite: ECON111.

ECON 312 - GE: Intermediate Microeconomics (3 credits)
This course reviews and extends the analysis of value and distribution: it covers traditional price theory techniques in production, exchange, and distribution for firms in markets of perfect and imperfect competition. It includes an introduction to general equilibrium analysis, linear programming, and welfare economics.
Distribution: GE: Social Sciences-Economics; Advanced. Prerequisite: ECON112.

ECON 313 - GE: International Trade (3 credits)
This course considers the monetary and financial flows between nations that results from the international trade of goods and services. Specific topics include a detailed examination of payments among nations, the foreign exchange markets, exchange rates and their determinants, government policies with respect to foreign exchange markets and the choice between fixed versus floating exchange rates.
Distribution: Advanced. Prerequisite: ECON111 AND ECON112.

ECON 314 - International Finance (3 credits)
This course considers the monetary and financial flows between nations that results from the international trade of goods and services. Specific topics include a detailed examination of payments among nations, the foreign exchange markets, exchange rates and their determinants, government policies with respect to foreign exchange markets and the choice between fixed versus floating exchange rates.
Distribution: Advanced. Prerequisite: ECON111 AND ECON112.

ECON 315 - International Law in Global Economic Relations (3 credits)
This course is an introduction to global economic relations and international laws governing those relations. It presents and analyzes the framework for global economic cooperation and the mutual obligations of states and transnational organizations to one another in an interdependent global economy. Specific topics include international trade law, the financial and monetary treaty obligations of nations, intellectual property rights, and the laws governing the use of environmental resources for sustainable development.
Distribution: Advanced. Prerequisite: ECON 111, ECON 112.
ECON 321 - GE: History of Economic Thought (3 credits)
This course is a brief survey of the life and times of the major economic thinkers. It includes a critical evaluation of the contributions of each school of thought. Emphasis is on the evolution of economic analysis and its methodology.
Distribution: GE: Social Sciences-Economics | Advanced | Level II Writing (W2). Prerequisite: ECON111 AND ECON112.

ECON 322 - GE: Labor Economics (3 credits)
Labor economics applies macroeconomics and microeconomic theory, forming a critical part of the core of analytical economics. This course explores topics such as educational choice, wage determination, employment discrimination, labor law, collective bargaining, etc., with special emphasis on international labor trends.
Distribution: GE: Social Sciences-Economics | Advanced. Prerequisite: ECON111 AND ECON112.

ECON 332 - Forecasting Methods (3 credits)
This course deals with national economic activity from a manager's perspective and with how government policies affect economic systems; examination of techniques and operations of the banking system targets.
Special emphasis will be placed on the impact of globalization, Federal Reserve policy and the regulatory environment.
Distribution: Advanced. Prerequisite: ECON111.

ECON 336 - Money & Capital Markets (3 credits)
A comprehensive analysis of capital markets is presented via the flow of funds from saver/lender to borrower/spender. The course explores the development of financial markets, their present structure and operations, the merits of innovative financial products, the changing role of financial institutions, and finally lessons learned from recent financial meltdown. Special emphasis will be placed on the impact of globalization, Federal Reserve policy and the regulatory environment.
Distribution: Advanced | Information Literacy & Technology (I). Prerequisite: ECON112 AND MATH110.

ECON 338 - Money & Capital Markets (3 credits)
This course deals with the development of money types and banking systems; examination of techniques and operations of the banking system of the U.S.; survey of monetary theory and policy.
Distribution: Advanced. Prerequisite: ECON111 AND ECON112 AND ECON311.

ECON 411 - Public Finance (3 credits)
This course is a brief survey of the life and times of the major economic thinkers. It includes a critical evaluation of the contributions of each school of thought. Emphasis is on the evolution of economic analysis and its methodology.
Distribution: Advanced. Prerequisite: ECON111 AND ECON112 AND ECON311.

ECON 412 - Money And Banking (3 credits)
This course is a survey of the nature of money and banking systems; examination of techniques and operations of the banking system of the U.S.; survey of monetary theory and policy.
Distribution: Advanced. Prerequisite: ECON111 AND ECON311.

ECON 413 - Managerial Economics (3 credits)
This course is a survey of mathematical techniques useful in constructing economic and managerial models, which help the student identify and systematically formulate managerial problems. The course concentrates on pricing decisions, demand theory, production and cost analysis, and the empirical problems involved in managerial decision making.
Distribution: Advanced. Prerequisite: ECON112 AND MATH110.

ECON 414 - Macroeconomics for Managers (3 credits)
This course deals with national economic activity from a manager's perspective and with how government policies affect economic performance. The course offers practical explanation of the short-term linkages that impact the performance of the overall economy. Emphasis is placed on the empirical underpinnings and managerial implications of macroeconomics. Issues of how business managers and executives can use macroeconomics data and information to improve the performance of their businesses are addressed.
Distribution: Advanced. Prerequisite: ECON111 AND ECON112.

ECON 415 - Econometrics (3 credits)
This course is an introduction to the theory of econometrics and its applications. The course will concentrate on determining and measuring the relationship between economic variables. Simple regression, correlation, multiple regressions, and the nature of econometric models will be discussed. A series of applications will conclude the course.
Distribution: Advanced. Prerequisite: ECON112 AND MATH110.

ECON 432 - Economic Growth and Development (3 credits)
This course is a survey of the economic growth and development of laissez-faire, centralized planning, and mixed economies; emphasis is placed on capital accumulation, industrialization, and economic expansion in the developed and underdeveloped nations, current problems, and alternative policies.
Distribution: Advanced. Prerequisite: ECON111 AND ECON112.

ECON 442 - Comparative Economic Systems (3 credits)
The purpose of this course is the study of the different economic systems from the "free enterprise system" to the "command economies," with the Third World economic system in between. An attempt is made to analyze the institutional structure of each economic system and the factors underlying it. The universality of economic principles is brought out.
Distribution: Advanced. Prerequisite: ECON111 AND ECON112.

ECON 485 - IS: (3 credits)
A student wishing to take independent study either on the undergraduate or graduate levels (other than under 571) should discuss the plan with a member of the department. If the faculty member agrees to sponsor the project, the proposal should be submitted to the department chair. The chair, after approving the independent study project, shall bring it to a departmental meeting for confirmation. The dean of the college gives final approval after receiving the minutes of the departmental meeting which identifies the students who were approved by the department to do independent study.
Distribution: Advanced.

ECON 486 - Field Experience & Internship (1 - 15 credits)
A student wishing to take independent study either on the undergraduate or graduate levels (other than under 571) should discuss the plan with a member of the department. If the faculty member agrees to sponsor the project, the proposal should be submitted to the department chair. The chair, after approving the independent study project, shall bring it to a departmental meeting for confirmation. The dean of the college gives final approval after receiving the minutes of the departmental meeting which identifies the students who were approved by the department to do independent study.
Distribution: Advanced.

ECON 495 - Senior Seminar (3 credits)
The course consists of a series of lectures and discussions on economic topics designed to lead senior students into current scientific literature and research methodology.
Distribution: Advanced | Level III Writing (W3). Prerequisite: Permission of the department.

Elementary Education

College of Education
Due to certification changes in Pennsylvania, ESU no longer offers a major in Elementary Education. The courses listed in this section help to support
other education programs. See more information, faculty, and suggested programs of study under Early Childhood Education (p. 170).

**ELED - Elementary Education Courses**

**ELED 100 - Success Orientated (1 credits)**
This course is designed to prepare students majoring in Education to meet successfully the challenges of the state-required Basic Skills Assessments.

**ELED 132 - Child Growth and Development (3 credits)**
This course presents the development of the child from conception through pre-adolescence, interaction between heredity and environment, parent-child relations, development and stabilization of the personality, attitudes toward self and others — physical, social, emotional, and cognitive development. Completion of ENGL 103 is recommended. This course is a prerequisite to all methods courses.

**ELED 264 - Principles and Practices of Teaching (3 credits)**
This course advances the ESU Educators: Reflective and Deliberate Decision-Makers conceptual framework. This course explores current research and practice related to the learner and the learning environment, the teaching and learning process, content, and professionalism including planning, organization, management, instructional strategies, evaluation, and assessment. Opportunities for field experiences in diverse school settings are included. The beginning educator portfolio is begun in this course. Prerequisite: ELED132.

**ELED 290 - Special Topics: (Semester hours arranged)**
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

**ELED 311 - Art in Childhood Education (3 credits)**
This course examines the unique role of the visual arts and art standards in education, learning and development. Weekly field experiences in a Professional Development School will emphasize the course content and instructional theories to teaching. Artistic literacy and behaviors are developed along with the teaching competencies to organize, assess and integrate the visual arts into the curriculum. Distribution: Advanced. Prerequisite: ELED132 AND ELED264.

**ELED 342 - Language Arts in Childhood Education (3 credits)**
This course is designed to familiarize students with the theoretical constructs, standards, and the methods and materials for teaching language arts in the elementary school. Through hands-on experiences students will explore ways to effectively plan, assess and implement language arts experiences and integrate them throughout the curriculum. Distribution: Advanced. Prerequisite: ELED132 AND ELED264.

**ELED 343 - Mathematics in Childhood Education (3 credits)**
This course places emphasis on how theory and research shape practice in mathematics education. Additional emphasis will be placed on a variety of teaching techniques and assessment methods and how they can be integrated in a mathematics program. Course participants will also become familiar with the use of technology and how to integrate it appropriately in an elementary mathematics program. Distribution: Advanced. Prerequisite: ELED132 AND ELED264 AND MATH105.

**ELED 344 - Science in Childhood Education (3 credits)**
This course engages students in developing their understandings of concepts, standards, methods, and materials for teaching science in elementary schools. The primary focus is on the use of inquiry and activity-based methods. Weekly field experience in a Professional Development School will emphasize the application of course content and instructional theories to teaching. Distribution: Advanced. Prerequisite: ELED132 AND ELED264.

**ELED 345 - Social Studies in Childhood Education (3 credits)**
This course engages students in the use of standards, methods, and materials for teaching social studies in the elementary school. Weekly field experiences in a Professional Development School will emphasize the application of course content and instructional theories to teaching. Students will develop knowledge and skill in planning, selecting teaching strategies, integrating curriculum, and implementing instruction. Students will be expected to engage in productive self-reflection. Distribution: Advanced. Prerequisite: ELED132 AND ELED264.

**ELED 346 - Children's Literature (3 credits)**
This course studies the great variety of literature available for children and the literary materials of more recent times, which have been written expressly for children. The course offers varied ways to get children interested in books for their appropriate reading levels and interests. Implementation of Children's Literature into the elementary curriculum will be stressed. Distribution: Advanced. Prerequisite: ELED132 AND ELED264.

**ELED 350 - Middle School Methods (3 credits)**
This course deals with the study and application of curriculum, integration of curriculum and the middle school philosophy. Students will develop necessary knowledge, skills, and dispositions to teach all middle level students. Students will use state/national standards, lesson planning fundamentals, and a variety of models of teaching to develop and implement lessons and units. The curriculum focus is on teaching language arts, social studies, and the creative arts in a culturally responsive manner. This course includes intense university classroom practice as well as a required weekly field experience at the middle school level in which students apply the planning and teaching skills developed within the university classroom setting. Distribution: Advanced.

**ELED 351 - Music in Childhood Education (3 credits)**
This course introduces the student to the importance of music in the elementary school curriculum. It focuses on establishing a role for the classroom teacher in fostering children’s growth through music and providing the prospective teacher with musical understanding and skills for developing student-centered learning environments through music. Emphasis is on the encouragement of creative teaching of all content through the integration of music into the total elementary curriculum. Strategies for facilitation of music experiences to meet the needs of culturally and academically diverse students are included. Distribution: Advanced. Prerequisite: ELED132 AND ELED264.

**ELED 356 - Urban Education and Classroom Diversity (3 credits)**
This course will give students the opportunity to learn about teaching in an urban setting. Students will be provided with a strong theoretical knowledge base and practical field experience in order to prepare them to teach in a variety of settings. Students will explore their own beliefs and attitudes as it relates to diversity in the classroom. Distribution: Advanced. Prerequisite: ELED132 AND ELED264 OR PSED161 OR PSED242.

**ELED 360 - Middle Level Language Arts Methods (3 credits)**
This course is designed to prepare students to effectively teach in middle school (4th-6th grade) language arts classrooms. Students will learn how to plan, implement, and reflect on activity-based language arts lessons that are grounded in a coherent curriculum, and that meet the developmental needs of middle level (4th-6th grade) students. Students
will participate in weekly field experiences in self-contained or semi-departmentalized 4th-6th grade placements.
Distribution: Advanced. Prerequisite: PSED 150 and PSED 244. Corequisite: ELED 370; REED 340; SPED 313 (dual only).

ELED 370 - Middle Level Science Methods (3 credits)
This course is designed to help students learn how to effectively teach in middle level (4th-6th grade) science classrooms. Students will learn about a variety of activity based methods and then participate in weekly field experiences in self-contained or semi-departmentalized 4th-6th grade placements.
Distribution: Advanced. Prerequisite: PS150 and PS244. Corequisite: SPED 313 (dual only).

ELED 405 - Classroom Management and Discipline Models (3 credits)
This course will give students the opportunity to learn about teaching in an urban setting. Students will be provided with a strong theoretical knowledge base and practical field experience in order to prepare them to teach in a variety of settings. Students will explore their own beliefs and attitudes as it relates to diversity in the classroom.
Distribution: Advanced.

ELED 415 - Individualizing Instruction in Elementary Education (3 credits)
This course examines the process of individualizing instruction and classroom experiences in self-contained or semi-departmentalized 4th-6th grade placements.
Distribution: Advanced. Prerequisite: PS150 and PS244. Corequisite: SPE313; REED 350 OR REED/SPED 315 (dual).

ELED 424 - Teaching ELLs in the Diverse Classroom Setting (3 credits)
This course focuses on linguistics for ESL teachers and their students, covering phonology, morphology, syntax, semantics, and pragmatics. Additional emphasis is given to sociocultural linguistics and language contact. Connections to classroom applications are explored, with a review of idiosyncratic elements of English grammar as they pertain to second language learning.
Distribution: Advanced. Prerequisite: ELED132 AND ELED242.

ELED 427 - Second Language Acquisition: Theories for ESL Teachers (3 credits)
This course focuses on historical and current theories of second language acquisition and development for the Pre K-12 limited-English student. Topics addressed include cognitive, psychological, sociocultural, and political factors for second language learners, content area instruction, models of bilingual education, assessment options, and technology resources for teaching English Language Learners.
Distribution: Advanced. Prerequisite: ELED132 AND ELED264.

ELED 428 - Linguistics for ESL Teachers (3 credits)
This course focuses on linguistics for ESL teachers and their students, covering phonology, morphology, syntax, semantics, and pragmatics. Additional emphasis is given to sociocultural linguistics and language contact. Connections to classroom applications are explored, with a review of idiosyncratic elements of English grammar as they pertain to second language learning.
Distribution: Advanced. Prerequisite: ELED132 AND ELED264.

ELED 429 - Methods and Materials for Teaching ESL (3 credits)
This course focuses on historical and current theories of second language acquisition and development for the Pre K-12 limited-English student. Topics addressed include cognitive, psychological, sociocultural, and political factors for second language learners, content area instruction, models of bilingual education, assessment options, and technology resources for teaching English Language Learners.
Distribution: Advanced. Prerequisite: ELED132 AND ELED264.

ELED 430 - Student Teaching in Elementary Education (6 credits)
This course focuses on historical and current theories of second language acquisition and development for the Pre K-12 limited-English student. Topics addressed include cognitive, psychological, sociocultural, and political factors for second language learners, content area instruction, models of bilingual education, assessment options, and technology resources for teaching English Language Learners.
Distribution: Advanced. Prerequisite: ELED132 AND ELED264.

ELED 431 - Student Teaching in Middle Level Education (6 credits)
This course focuses on historical and current theories of second language acquisition and development for the Pre K-12 limited-English student. Topics addressed include cognitive, psychological, sociocultural, and political factors for second language learners, content area instruction, models of bilingual education, assessment options, and technology resources for teaching English Language Learners.

ELED 426 - Professional Practicum (2 credits)
This course provides an understanding and appreciation for linguistic and cultural diversity, and enhances the knowledge and skills of teachers working with culturally and linguistically diverse students in the classroom. The areas of emphasis include: a) the legal, historical, and cultural implications of ELLs in the mainstream classroom and differences among home and school cultures, especially as they relate to language; b) a brief overview of first and second language acquisition theories; c) developmentally appropriate teaching strategies to enhance English language proficiency and academic success of ELLs; and d) Pennsylvania standards and the Pennsylvania ELL assessment systems. (This course is not part of the ESL Specialist endorsement).

ELED 427 - Second Language Acquisition: Theories for ESL Teachers (3 credits)
This course focuses on historical and current theories of second language acquisition and development for the Pre K-12 limited-English student. Topics addressed include cognitive, psychological, sociocultural, and political factors for second language learners, content area instruction, models of bilingual education, assessment options, and technology resources for teaching English Language Learners.
Distribution: Advanced. Prerequisite: ELED132 AND ELED264.

ELED 444 - International Collaborative Learning Project (1 - 3 credits)
This course enables students to participate in unique learning events in a foreign country. Students will have the opportunity to experience different styles in teaching and learning, how reflective teaching practice can become an integral part of the teaching process, and how teacher education reform occurs in different contexts through seminars and observations. The class will deal with exploring differences and similarities between cultures and philosophies.
Distribution: Advanced.

ELED 448 - Reality Therapy in the Classroom (3 credits)
This course enables students to participate in unique learning events in a foreign country. Students will have the opportunity to experience different styles in teaching and learning, how reflective teaching practice can become an integral part of the teaching process, and how teacher education reform occurs in different contexts through seminars and observations. The class will deal with exploring differences and similarities between cultures and philosophies.
Distribution: Advanced.

ELED 449 - Reducing Classroom Conflict (3 credits)
This course enables students to participate in unique learning events in a foreign country. Students will have the opportunity to experience different styles in teaching and learning, how reflective teaching practice can become an integral part of the teaching process, and how teacher education reform occurs in different contexts through seminars and observations. The class will deal with exploring differences and similarities between cultures and philosophies.
Distribution: Advanced.
different styles in teaching and learning, how reflective teaching practice can become an integral part of the teaching process, and how teacher education reform occurs in different contexts through seminars and observations. The class will deal with exploring differences and similarities between cultures and philosophies.
Distribution: Advanced.

ELED 450 - Seminar in Middle School Methods (3 credits)
This course enables students to participate in unique learning events in a foreign country. Students will have the opportunity to experience different styles in teaching and learning, how reflective teaching practice can become an integral part of the teaching process, and how teacher education reform occurs in different contexts through seminars and observations. The class will deal with exploring differences and similarities between cultures and philosophies.
Distribution: Advanced.

ELED 456 - Cooperative Learning - Learning Teams in Action (3 credits)
This course enables students to participate in unique learning events in a foreign country. Students will have the opportunity to experience different styles in teaching and learning, how reflective teaching practice can become an integral part of the teaching process, and how teacher education reform occurs in different contexts through seminars and observations. The class will deal with exploring differences and similarities between cultures and philosophies.
Distribution: Advanced.

ELED 457 - Reducing Stress in the Classroom (3 credits)
This course enables students to participate in unique learning events in a foreign country. Students will have the opportunity to experience different styles in teaching and learning, how reflective teaching practice can become an integral part of the teaching process, and how teacher education reform occurs in different contexts through seminars and observations. The class will deal with exploring differences and similarities between cultures and philosophies.
Distribution: Advanced.

ELED 459 - Enhancing Self-Esteem (3 credits)
This course enables students to participate in unique learning events in a foreign country. Students will have the opportunity to experience different styles in teaching and learning, how reflective teaching practice can become an integral part of the teaching process, and how teacher education reform occurs in different contexts through seminars and observations. The class will deal with exploring differences and similarities between cultures and philosophies.
Distribution: Advanced.

ELED 460 - Middle Level Social Studies Methods (3 credits)
This course is designed to prepare students to effectively teach in middle school (4th-6th grade) social studies classrooms. Students will learn how to plan, implement, and reflect on activity-based social studies lessons that are grounded in a coherent curriculum, and that meet the developmental needs of middle level (4th-6th grade) students. Students will participate in weekly field experiences in self-contained or semi-departmentalized 4th-6th grade placements.
Distribution: Advanced. Prerequisite: PSED150 AND PSED244. Corequisite: ELED460; SPED351; REED350 (middle level only) - REED/SPED313 (dual only).

ELED 465 - IS: (3 credits)
This course consists of directed research and study on an individual basis.
Distribution: Advanced.

ELED 489 - Organization and Administration of Early Childhood Programs (3 credits)
This course consists of directed research and study on an individual basis.

ELED 494 - Planning For Change (3 credits)
This course consists of directed research and study on an individual basis.
Distribution: Advanced.

ELED 497 - Student Professional Program I (12 credits)
Designed as another route to teacher certification, the program offers a full year of field experience in elementary and middle schools. Student professionals in the program are assigned to schools as full-time interns and in addition participate in group seminars, field trips, and a program of various assignments planned in cooperation with the program coordinator.
Distribution: Advanced.

ELED 498 - Student Professional Program II (13 credits)
Designed as another route to teacher certification, the program offers a full year of field experience in elementary and middle schools. Student professionals in the program are assigned to schools as full-time interns and in addition participate in group seminars, field trips, and a program of various assignments planned in cooperation with the program coordinator.
Distribution: Advanced.

English

College of Arts and Sciences
The Faculty of Arts and Letters
Stroud Hall, Room 309
570-422-3398
www.esu.edu/engl

About the Program
An English degree is one of the most flexible and useful degrees students can earn. English majors prepare themselves for a wide variety of careers. They become teachers and administrators, writers and editors, and directors of corporate communications and public relations programs. Once English majors complete their undergraduate degrees at ESU, they can earn advanced degrees in English, journalism, and communication. Their training also makes them excellent candidates for law schools and MBA programs.

About the Degrees
English majors select from six tracks and dozens of courses:

The Bachelor of Arts program offers four tracks:

- **The Creative Writing Track** is designed for students who want to develop their skills in the writing of fiction, poetry, and/or creative non-fiction. The coursework combines literary studies and upper-level writing courses, particularly geared toward the creative writer.
- **The Literature Track** is a traditional program rooted in literature surveys and upper-division course work in major writers and literary movements.
The Professional and Digital Media Writing Track develops composition and editing skills in journalism, technical writing, writing for the Web, advertising and public relations, and multimedia writing.

The Writing Track combines the study of literature with creative writing workshop experiences, including poetry, fiction writing, and creative non-fiction.

The Bachelor of Science program offers two tracks:
- The Secondary Education-English Track is offered to those who intend to teach. Literature and classroom methodology are studied so students can become effective and certified middle and high school teachers.
- The Secondary Education/SPED Track adds seven Special Education courses to the B.S. degree in Secondary Education - English.

Are you interested in ...
- Reading
- Writing or Editing
- Teaching

Choose English at ESU
- Small advanced class sizes
- Practical field experiences
- Qualified, experienced faculty

Is English a career path for me?
Career Potential
- Teaching
- Public relations
- Writer/editor
- Advertising

Career Settings
- Education
- Corporations
- Media outlets
- Internet

More detailed career information is available from the department.

Prerequisites for Literature Courses
- The last two digits of the course number indicate the classification of 100-300 level English courses, i.e.: writing 00-29, linguistics 30-49, literature 50-99.
- Lower Division: Enrollment in literature courses numbered 100 to 299 requires concurrent enrollment in or completion of ENGL 103 English Composition.
- Upper Division: Literature courses numbered 300 to 499 require the completion of ENGL 162 or ENGL 163 and two additional 100 to 299 numbered English courses. All 300 courses require 60 credit hours and/or one specified English course. All 400 courses require 90 credit hours and/or two specified English courses.

ENGL 163 can be replaced with a 100-level literature course with Chair’s permission.

one of the following (3 credits):
- ENGL 261 GN: British Literature II 3
- ENGL 265 GN: American Literature II 3
- ENGL 272 GN: World Literature I 3
- ENGL 273 GN: World Literature II 3

five courses from the following (15 credits):
- ENGL 215 News Reporting and Writing 3
- ENGL 220 Script Writing 3
- ENGL 224 Writing Children’s Fiction 3
- ENGL 231 English Grammar 3
- ENGL 290 Special Topics: Semester hours arranged 3
- ENGL 302 Creative Writing-Fiction 3
- ENGL 303 Creative Writing-Poetry 3
- ENGL 307 Professional Writing: Website Writing and Design 3
- ENGL 315 Multimedia Journalism 3
- ENGL 316 Professional Writing: Magazine Journalism 3
- ENGL 317 Reviewing The Arts 3
- ENGL 319 Writing Creative Non-Fiction 3
- ENGL 320 Electronic Creative Writing 3
- ENGL 334 History of the English Language 3
- ENGL 415 Computers And Writing 3
- ENGL 486 Internship in Written Expression 1 - 12

two additional 300-400 level literature courses (6 credits)
- ENGL 3XX / 4XX Two 300-400 level literature courses 6

Co-requisites:
Six credit hours in a Modern Language (not in translation).

Additional Requirements:
- Extracurricular writing requirement from among the following options:
  - Student must work for two full semesters in an editorial position on The Stroud Courier;
  - Student must work for two full semesters in an editorial position on Calliope, the literary publication;
  - Student must submit a portfolio of 15 works of varying length, content, and form that have been published in the Courier, Calliope, or some other mutually agreed upon publication (to be done a semester before graduation); or
  - Student may do some combination of the above requirements, a combination agreed upon by the student, the Chair, and the advisor to the Courier and Calliope. This agreement is to be made two semesters before graduation.
- A minimum of 18 credits in English (not including ENGL 103) must be earned at East Stroudsburg University. A minimum of 9 credits in English course work at the 300-400 level must be earned at East Stroudsburg University.
- Please see the university requirements in this catalog.

English B.A.
Concentration: Creative Writing

PROGRAM FEATURES
42 Credits

Required courses:
- ENGL 163 GN: The Study of Literature 3
- ENGL 225 GN: Introduction to Creative Writing 3
- ENGL 260 GN: British Literature I 3
- ENGL 264 GN: American Literature I 3
- ENGL 388 Contemporary Literature 3

English B.A.
Concentration: Literature

PROGRAM FEATURES
39 credits

Required courses:
- ENGL 163 GN: The Study of Literature 3
- ENGL 260 GN: British Literature I 3
- ENGL 261 GN: British Literature II 3
ENGL 264  GN: American Literature I  3
ENGL 265  GN: American Literature II  3
ENGL 390  Shakespeare  3
ENGL 163 may be replaced with a 100-level literature course with Chair's permission.

one course in writing:
Must be beyond Composition, but not ENGL 204 or ENGL 205

one course in major writers:
ENGL 391  Geoffrey Chaucer  3
ENGL 392  John Milton  3
ENGL 393  Major Writers  3

three courses in literary movements:
ENGL 356  American Poetry  3
ENGL 357  American Novel  3
ENGL 358  The British Novel  3
ENGL 360  Themes in World Literature  3
ENGL 374  Literary Criticism and Theory  3
ENGL 377  Medieval European Literature  3
ENGL 378  Old and Middle English Literature  3
ENGL 379  British Literature of the Renaissance  3
ENGL 380  Seventeenth-Century British Literature  3
ENGL 381  Eighteenth-Century British Literature  3
ENGL 382  British Romanticism  3
ENGL 383  Victorian Literature  3
ENGL 384  Modern British Literature  3
ENGL 385  American Romanticism  3
ENGL 386  American Realism  3
ENGL 387  Modern American Literature  3
ENGL 388  Contemporary Literature  3
ENGL 389  Postcolonial Literature  3
ENGL 395  The Graphic Novel  3

one course in linguistics:
ENGL 332  Linguistics  3
ENGL 334  History of the English Language  3

one course in global literature:
ENGL 272  GN: World Literature I  3
ENGL 273  GN: World Literature II  3
ENGL 360  Themes in World Literature  3
ENGL 388  Contemporary Literature  3
ENGL 389  Postcolonial Literature  3
ENGL 395  The Graphic Novel  3

The course taken to fulfill the Global Literature requirement cannot also be used to fulfill one of the other requirements of this concentration.

Co-requisites:
Six semester hours of a Modern Language (not in translation).

Additional Requirements:
- A minimum of 18 credits in English (not including ENGL 103) must be earned at East Stroudsburg University. A minimum of nine credits in English course work at the 300-400 level must be earned at East Stroudsburg University.
- Please see the university requirements in this catalog.

4 YEAR CURRICULUM PROGRAM PLAN
(Supersede by change by the university without notice)

Freshman Year Fall
ENGL 103  English Composition  3
ENGL 163  GN: The Study of Literature  3
FYE 100  University Studies  3
GenEd  General Education - Arts and Letters  3

Spring
ENGL 203  GN: Advanced Composition  3
ENGL 265  GN: American Literature II  3
HPLW 105  Health Promotion and Lifetime Wellness  3
GN:  General Education Elective - Arts and Letters  3
GN:  General Education Elective - Natural Science  3
OR  General Education Elective - Social Science  3

Subtotal: 15

Sophomore Year Fall
ENGL 264  GN: American Literature I  3
ENGL 260  GN: British Literature I  3
GN:  General Education Elective - Arts & Letters  3
GN:  General Education Elective - Natural Science  3
GN:  General Education Elective - Social Science  3

Subtotal: 15

Junior Year Fall
ENGL 390  Shakespeare  3
ENGL 374  Literary Criticism and Theory  3
GN:  General Education Elective - Natural Science  3
GN:  General Education Elective - Social Science  3
XXX  Elective  3

Subtotal: 15

Spring
ENGL 261  GN: British Literature II  3
ENGL 332  Linguistics  3
OR  History of the English Language  3
ENGL 393  Major Writers  3
ENGL 3XX  Literary Movement elective  3
XXX  Elective  3
XXX  Elective  3

Subtotal: 15

Senior Year Fall
ENGL XXX  English Elective  3
ENGL XXX  English Elective  3
ENGL XXX  English Elective  3
XXX  Elective  3
XXX  Elective  3

Subtotal: 15
English B.A.
Concentration: Professional and Digital Media Writing

PROGRAM FEATURES

39 credits

Required courses (15 credits):
ENGL 163 GN: The Study of Literature 3
ENGL 203 GN: Advanced Composition 3
ENGL 204 Technical Writing 3
OR
ENGL 205 Workplace Writing 3
ENGL 215 News Reporting and Writing 3
ENGL 231 English Grammar 3
ENGL 163 may be replaced with a 100-level literature course with Chair's permission.

three of the following (9 credits):
(at least two of which must be at the 300 level or above)
ENGL 218 Sports Writing 3
ENGL 220 Script Writing 3
ENGL 224 Writing Children's Fiction 3
ENGL 225 GN: Introduction to Creative Writing 3
ENGL 290 Special Topics: Semester hours arranged 3
ENGL 304 Professional Writing: Advanced Technical, Administrative, and Grant Writing 3
ENGL 305 Professional Writing: Public Relations 3
ENGL 306 Professional Writing: Advertising 3
ENGL 307 Professional Writing: Website Writing and Design 3
ENGL 308 Professional Writing: Creative Campaigns in Public Service 3
ENGL 309 Professional Writing for Social Media 3
ENGL 315 Multimedia Journalism 3
ENGL 316 Professional Writing: Magazine Journalism 3
ENGL 317 Reviewing The Arts 3
ENGL 319 Writing Creative Non-Fiction 3
ENGL 320 Electronic Creative Writing 3
ENGL 415 Computers And Writing 3
ENGL 437 Freelance Writing 3

one Literature course at the 200-level and one at the 300-level or above (3 credits)

six additional credits from the following (18 credits):
ENGL 486 Internship in Written Expression 1-12
DMET 255 Digital Publishing for Graphics & Web 3
DMET 262 Educational Communications and Technology 3
DMET 355 Advanced Web Design 3
CMST 229 Broadcast Journalism 3
CMST 255 Introduction to Public Relations 3
CMST 355 Public Relations Theory 3
CMST 410 Comparative Media 3
ART 220 GN: Graphic Design I 3
ART 280 GN: Design for Communication 3
or other 200-400 level English Department offerings, or related courses from other departments.

Additional Requirements:
- Extracurricular writing requirements from among the following options:
  - Two semesters in an editorial position on The Stroud Courier or Calliope;
  - or a portfolio of published writing;
  - or a portfolio of writing conducted for one or more reputable publications or agencies in the context of service learning or internship;
  - or a combination of these options as agreed upon by the student, the Department chair, and the student's advisor.
- A minimum of 18 credits in English (not including ENGL 103) must be earned at East Stroudsburg University. A minimum of nine credits in English coursework at the 300-400 level must be earned at East Stroudsburg University.
- Please see the university requirements in this catalog.

4 YEAR CURRICULUM PROGRAM PLAN
(Subject to change by the university without notice)

Freshman Year Fall
ENGL 103 English Composition 3
ENGL 163 GN: The Study of Literature 3
FYE 100 University Studies 3
GN:____ General Education Elective - Arts and Letters 3

GN:____ General Education Elective - Natural Science 3
OR
GN:____ General Education Elective - Social Science 3

Subtotal: 15

Spring
ENGL 203 GN: Advanced Composition 3
ENGL 2XX 200-Level Literature Course 3
HPLW 105 Health Promotion and Lifetime Wellness 3
GN:____ General Education Elective - Arts and Letters 3

GN:____ General Education Elective - Natural Science 3
OR
GN:____ General Education Elective - Social Science 3

Subtotal: 15

Sophomore Year Fall
ENGL 204 Technical Writing 3
ENGL 215 News Reporting and Writing 3
XXXX____ Elective 3
GN:____ General Education Elective - Natural Science 3
GN:____ General Education Elective - Social Science 3

Subtotal: 15

Spring
ENGL 225 GN: Introduction to Creative Writing 3
ENGL 231 English Grammar 3
XXXX____ Elective 3
GN:____ General Education Elective - Natural Science 3
GN:____ General Education Elective - Social Science 3

Subtotal: 15

Junior Year Fall
ENGL 3XX Writing Course 3
ENGL 3XX English Elective 3
ENGL 2XX Writing Elective 3
GN:____ General Education Elective - Natural Science 3
GN:____ General Education Elective - Social Science 3

Subtotal: 15
Accelerated Pathway from B.A. in English to M.A. in Professional and Digital Media Writing

Accelerated Pathway: English students may complete an accelerated pathway through the Bachelor of Arts (BA) in English to Master of Arts (MA) in Professional and Digital Media Writing. This accelerated pathway allows qualified undergraduate students to take up to six (6) graduate credits of coursework that will apply to both the undergraduate and graduate degrees.

To qualify for the English accelerated pathway a student must be in good standing and have earned ninety (90) undergraduate credits or more and have a GPA of 3.50 within the major. Students will need to obtain the approval of the English Department Chair and the graduate program coordinator to participate in the accelerated pathway.

Students in the accelerated pathway can take no more than three (3) graduate credits per semester and may choose from among the following four courses: ENGL 501, ENGL 510, ENGL 514, and ENGL 520. The English department chair and coordinator of the graduate program will determine how the selected courses fit into the student’s concentration requirements.

Additional Requirement: A student must have obtained a grade of “B” or higher in the graduate course in order for it to count towards the graduate degree program, while a grade of “C” or higher is necessary in order for it to count towards the undergraduate degree program.

Permission to take graduate courses does not guarantee admission into the graduate program, and students in the accelerated pathway still must apply to the graduate program.

English B.A. - Concentration: Writing

PROGRAM FEATURES

39 credits

Co-requisites:
Six semester hours in a modern language (not in translation).

Required courses (12 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 163</td>
<td>GN: The Study of Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 203</td>
<td>GN: Advanced Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

ENGL 163 may be replaced with a 100-level literature course with Chair's permission.

one of the following (3 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 261</td>
<td>GN: American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 265</td>
<td>GN: World Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 272</td>
<td>GN: World Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 273</td>
<td>GN: World Literature II</td>
<td>3</td>
</tr>
</tbody>
</table>

two 300-400 level literature courses (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 261</td>
<td>GN: British Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 265</td>
<td>GN: American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 272</td>
<td>GN: World Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 273</td>
<td>GN: World Literature II</td>
<td>3</td>
</tr>
</tbody>
</table>

Senior Year

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL XXX</td>
<td>English Elective</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3XX</td>
<td>Writing Course</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3XX</td>
<td>Literature Course</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 486</td>
<td>Internship in Written Expression</td>
<td>1 - 12</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL XXX</td>
<td>English Elective</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3XX</td>
<td>Writing Course</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3XX</td>
<td>Literature Course</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 486</td>
<td>Internship in Written Expression</td>
<td>1 - 12</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

five of the following (15 credits):

(one of which must be 300-400 level)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 204</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 205</td>
<td>Workplace Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 215</td>
<td>News Reporting and Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 218</td>
<td>Sports Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 220</td>
<td>Script Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 224</td>
<td>Writing Children's Fiction</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 225</td>
<td>GN: Introduction to Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 290</td>
<td>Special Topics: Semester hours arranged</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 231</td>
<td>English Grammar</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 302</td>
<td>Creative Writing-Fiction</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 303</td>
<td>Creative Writing-Poetry</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 304</td>
<td>Professional Writing: Advanced Technical, Administrative, and Grant Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 305</td>
<td>Professional Writing: Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 306</td>
<td>Professional Writing: Advertising</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 307</td>
<td>Professional Writing: Website Writing and Design</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 308</td>
<td>Professional Writing: Creative Campaigns in Public Service</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 309</td>
<td>Professional Writing for Social Media</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 315</td>
<td>Multimedia Journalism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 316</td>
<td>Professional Writing: Magazine Journalism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 317</td>
<td>Reviewing The Arts</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 319</td>
<td>Writing Creative Non-Fiction</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 320</td>
<td>Electronic Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 332</td>
<td>Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 334</td>
<td>History of the English Language</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 340</td>
<td>Studies in Writing Tutoring Practices</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 415</td>
<td>Computers And Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 437</td>
<td>Freelance Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 486</td>
<td>Internship in Written Expression</td>
<td>1 - 12</td>
</tr>
</tbody>
</table>

and one of the following (3 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 360</td>
<td>Themes in World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 388</td>
<td>Contemporary Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 389</td>
<td>Postcolonial Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 395</td>
<td>The Graphic Novel</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional Requirements:

- Extracurricular writing requirements from among the following options:
  - Student must work for two full semesters in an editorial position on the Stroud Courier;
  - Student must work for two full semesters in an editorial position on Calliope, the literary publication;
  - Student must submit a portfolio of 15 works of varying length, content, and form that have been published in the Courier, Calliope, or some other mutually agreed upon publication (to be done a semester before graduation);
or, student may do some combination of the requirements listed above, as agreed upon by the student and the Chair of the English Department, and the advisor to the Courier and Calliope. This agreement is to be made two semesters before graduation.

A minimum of 18 credits in English (not including ENGL 103) must be earned at East Stroudsburg University. A minimum of 9 credits in English course work at the 300-400 level must be earned at East Stroudsburg University.

Please see the university requirements in this catalog.

4 YEAR CURRICULUM PROGRAM PLAN
(Subject to change by the university without notice)

Freshman Year Fall
ENGL 103 English Composition 3
FYE 100 University Studies 3
ENGL 163 GN: The Study of Literature 3
GN:_____ General Education Elective - Arts and Letters 3
GN:_____ General Education Elective - Natural Science 3
OR
GN:_____ General Education Elective - Social Science 3

Subtotal: 16

Spring
ENGL 203 GN: Advanced Composition 3
HPLW 105 Health Promotion and Lifetime Wellness 3
GN:_____ General Education Elective - Arts and Letters 3
GN:_____ General Education Elective - Natural Science 3
GN:_____ General Education Elective - Social Studies 3

Subtotal: 15

Sophomore Year Fall
ENGL 264 GN: American Literature I 3
ENGL 2XX Writing Course 9
GN:_____ General Education Elective - Arts and Letters 3
GN:_____ General Education Elective - Natural Science 3
OR
GN:_____ General Education Elective - Social Science 3

Subtotal: 15

Spring
ENGL 265 GN: American Literature II 3
ENGL 3XX Writing Course 3
GN:_____ General Education Elective - Arts & Letters 3
GN:_____ General Education Elective - Natural Science 3
GN:_____ General Education Elective - Social Science 3

Subtotal: 15

Junior Year Fall
ENGL 3XX Writing Course 3
ENGL 2XX Writing Course 3
ENGL 260 GN: British Literature I 3
GN:_____ General Education Elective - Natural Science 3
GN:_____ General Education Elective - Social Science 3

Subtotal: 15

Spring
ENGL 3XX Writing or Linguistics 3
ENGL 3XX Literature Course 3
XXXX_____ Elective 3
XXXX_____ Elective 3
XXXX_____ Elective 3

Subtotal: 15

Senior Year Fall
ENGL 3XX Writing Course 3
ENGL 3XX Literature Course 3
XXXX_____ Elective 3
XXXX_____ Elective 3
XXXX_____ Elective 3

Subtotal: 15

English B.S.
Concentration: Secondary Education

PROGRAM FEATURES
79 credits

Required courses:

ENGL 163 GN: The Study of Literature 3
ENGL 208 Writing About Young Adult Literature 3
ENGL 231 English Grammar 3
ENGL 260 GN: British Literature I 3
ENGL 264 GN: American Literature I 3
ENGL 261 GN: British Literature II 3
OR
ENGL 265 GN: American Literature II 3
ENGL 332 Linguistics 3
OR
ENGL 334 History of the English Language 3
ENGL 360 Themes in World Literature 3
ENGL 390 Shakespeare 3
ENGL 412 Teaching Writing in the Secondary and Middle Schools 3
OR
ENGL 512 Teaching Writing in the Secondary and Middle Schools 3
ENGL 499 Student Teaching Internship 1

One of the following (3 credits):

ENGL 272 GN: World Literature I 3
ENGL 273 GN: World Literature II 3
ENGL 274 Diversity in Literature 3
ENGL 388 Contemporary Literature 3
ENGL 389 Postcolonial Literature 3
ENGL 395 The Graphic Novel 3

Three of the following (total of 9 credits):

ENGL 356 American Poetry 3
ENGL 357 American Novel 3
ENGL 358 The British Novel 3
ENGL 374 Literary Criticism and Theory 3
ENGL 377 Medieval European Literature 3
ENGL 378 Old and Middle English Literature 3
ENGL 379 British Literature of the Renaissance 3
ENGL 380 Seventeenth-Century British Literature 3
ENGL 381  Eighteenth-Century British Literature  
ENGL 382  British Romanticism  
ENGL 383  Victorian Literature  
ENGL 384  Modern British Literature  
ENGL 385  American Romanticism  
ENGL 386  American Realism  
ENGL 387  Modern American Literature  
ENGL 388  Contemporary Literature  
ENGL 389  Postcolonial Literature  
ENGL 391  Geoffrey Chaucer  
ENGL 392  John Milton  
ENGL 393  Major Writers  
ENGL 395  The Graphic Novel  
ENGL 467  Literature And Film  

Co-requisite courses:  
PSED 161  Foundations of Education  
PSED 250  The Psychology of Learners In Diverse Communities  
PSED 406  Teaching of English in the Secondary Schools  
PSED 420  Seminar in Secondary Education I: Instructional Structures and Strategies  
PSED 421  Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom  
PSED 430  Student Teaching in Secondary Education/ Middle School/Junior High School  
PSED 431  Student Teaching in Secondary Education/ Senior High School  
REED 350  Teaching Reading to Communities of Diverse Learners  
SPED 102  Diversity of the Learner  
SPED 350  Assessment of Student Learning and Behavior in Diverse Communities  

CMST 111  GN: Introduction to Communication  

OR  
CMST 253  GN: Public Speaking  

One of the following:  
THTR 100  GN: Introduction to Theatre  
THTR 101  GN: Play Production  
THTR 102  GN: Acting  

Additional Requirements:  
• MATH courses: As of Fall 2001, all education majors must take college level math courses.  
• A minimum QPA of 2.8 is required in all English courses.  
• Grades of A, B, or C must be earned in all English courses.  
• Media & Composition: Students who begin their program as freshmen at ESU will be placed into a special section of ENGL 104: English Composition for Secondary English and Middle Level Education Majors. This courses focuses on composition and media literacy. To meet teacher guidelines, students who do not take ENGL 104 will be required to take CMST 126: Introduction to Mass Media.  
• Portfolio: All secondary education majors enrolled after fall 2006 are required to fulfill the secondary English portfolio.  
  
4 YEAR CURRICULUM PROGRAM PLAN  
(Subject to change by the university without notice)  

Freshman Year Fall  
ENGL 104  English Composition for Secondary English and Middle Level Education Majors  
ENGL 163  GN: The Study of Literature  
PSED 161  Foundations of Education  
FYE 100  University Studies  
GN: ___  General Education Elective - Natural Science (Math)  

Spring  
ENGL 264  GN: American Literature I  
CMST 111  GN: Introduction to Communication  
HPLW 105  Health Promotion and Lifetime Wellness  
SPED 102  Diversity of the Learner  
THTR 100  GN: Introduction to Theatre  

Sophomore Year Fall  
ENGL 231  English Grammar  
PSED 250  The Psychology of Learners In Diverse Communities  
GN: ___  General Education Elective - Arts & Letters  
( American or English Literature I)  
GN: ___  General Education Elective - Natural Science  
GN: ___  General Education Elective - Social Science  

Junior Year Fall  
REED 350  Teaching Reading to Communities of Diverse Learners  
ENGL 332  Shakespeare  
GN: ___  General Education Elective - Natural Science  
GN: ___  General Education Elective - Social Science  

One of the following:  
ENGL 356  American Poetry  
ENGL 357  American Novel  
ENGL 358  The British Novel  
ENGL 374  Literary Criticism and Theory  
ENGL 377  Medieval European Literature  
ENGL 378  Old and Middle English Literature  
ENGL 379  British Literature of the Renaissance  
ENGL 380  Seventeenth-Century British Literature  
ENGL 381  Eighteenth-Century British Literature  
ENGL 382  British Romanticism  
ENGL 383  Victorian Literature  
ENGL 384  Modern British Literature  
ENGL 385  American Romanticism  
ENGL 386  American Realism  
ENGL 387  Modern American Literature  
ENGL 388  Contemporary Literature  
ENGL 389  Postcolonial Literature  
ENGL 391  Geoffrey Chaucer  
ENGL 393  Major Writers  
ENGL 395  The Graphic Novel  

Spring  
ENGL 360  Themes in World Literature  
ENGL 412  Teaching of Writing in the Secondary and Middle Schools  

Subtotal: 15
### Required courses:

- PSED 420 Seminar in Secondary Education I: Instructional Structures and Strategies
- ENGL 334 History of the English Language
- ENGL 332 Linguistics
- ENGL 412 Teaching of Writing in the Secondary and Middle Schools
- OR
- ENGL 512 Teaching Writing in the Secondary and Middle Schools
- ENGL 499 Student Teaching Internship

### Senior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSED 406 Teaching of English in the Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 466 Teaching Multicultural Literature</td>
<td>3</td>
</tr>
<tr>
<td>GN: ___ General Education Elective - Natural Science</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

### One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 356 American Poetry</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 357 American Novel</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 358 The British Novel</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 374 Literary Criticism and Theory</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 377 Medieval European Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 378 Old and Middle English Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 379 British Literature of the Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 380 Seventeenth-Century British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 381 Eighteenth-Century British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 382 British Romanticism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 383 Victorian Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 384 Modern British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 385 American Romanticism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 386 American Realism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 387 Modern American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 388 Contemporary Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 389 Postcolonial Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 391 Geoffrey Chaucer</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 392 John Milton</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 395 The Graphic Novel</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSED 430 Student Teaching in Secondary Education/ Middle School/Junior High School</td>
<td>6</td>
</tr>
<tr>
<td>PSED 431 Student Teaching in Secondary Education/ Senior High School</td>
<td>6</td>
</tr>
<tr>
<td>ENGL 499 Student Teaching Internship</td>
<td>1</td>
</tr>
</tbody>
</table>

**Subtotal: 13**

### Concentration: Secondary Education/SPED

### PROGRAM FEATURES

40 credits

#### Required courses:

- ENGL 163 GN: The Study of Literature | 3 |
- ENGL 208 Writing About Young Adult Literature | 3 |
- ENGL 231 English Grammar | 3 |
- ENGL 260 GN: British Literature I | 3 |
- ENGL 264 GN: American Literature I | 3 |
- ENGL 390 Shakespeare | 3 |
- ENGL 332 Linguistics | 3 |
- OR
- ENGL 334 History of the English Language | 3 |
- ENGL 358 The British Novel | 3 |
- ENGL 360 Themes in World Literature | 3 |
- ENGL 374 Literary Criticism and Theory | 3 |
- ENGL 377 Medieval European Literature | 3 |
- ENGL 378 Old and Middle English Literature | 3 |
- ENGL 379 British Literature of the Renaissance | 3 |
- ENGL 380 Seventeenth-Century British Literature | 3 |
- ENGL 381 Eighteenth-Century British Literature | 3 |
- ENGL 382 British Romanticism | 3 |
- ENGL 383 Victorian Literature | 3 |
- ENGL 384 Modern British Literature | 3 |
- ENGL 385 American Romanticism | 3 |
- ENGL 386 American Realism | 3 |
- ENGL 387 Modern American Literature | 3 |
- ENGL 388 Contemporary Literature | 3 |
- ENGL 389 Postcolonial Literature | 3 |
- ENGL 391 Geoffrey Chaucer | 3 |
- ENGL 392 John Milton | 3 |
- ENGL 395 The Graphic Novel | 3 |
- ENGL 356 American Poetry | 3 |
- ENGL 357 American Novel | 3 |
- ENGL 358 The British Novel | 3 |
- ENGL 360 Themes in World Literature | 3 |
- ENGL 374 Literary Criticism and Theory | 3 |
- ENGL 377 Medieval European Literature | 3 |
- ENGL 378 Old and Middle English Literature | 3 |
- ENGL 379 British Literature of the Renaissance | 3 |
- ENGL 380 Seventeenth-Century British Literature | 3 |
- ENGL 381 Eighteenth-Century British Literature | 3 |
- ENGL 382 British Romanticism | 3 |
- ENGL 383 Victorian Literature | 3 |
- ENGL 384 Modern British Literature | 3 |
- ENGL 385 American Romanticism | 3 |
- ENGL 386 American Realism | 3 |
- ENGL 387 Modern American Literature | 3 |
- ENGL 388 Contemporary Literature | 3 |
- ENGL 389 Postcolonial Literature | 3 |
- ENGL 395 The Graphic Novel | 3 |
- ENGL 356 American Poetry | 3 |
- ENGL 357 American Novel | 3 |
- ENGL 358 The British Novel | 3 |
- ENGL 360 Themes in World Literature | 3 |
- ENGL 374 Literary Criticism and Theory | 3 |
- ENGL 377 Medieval European Literature | 3 |
- ENGL 378 Old and Middle English Literature | 3 |
- ENGL 379 British Literature of the Renaissance | 3 |
- ENGL 380 Seventeenth-Century British Literature | 3 |
- ENGL 381 Eighteenth-Century British Literature | 3 |
- ENGL 382 British Romanticism | 3 |
- ENGL 383 Victorian Literature | 3 |
- ENGL 384 Modern British Literature | 3 |
- ENGL 385 American Romanticism | 3 |
- ENGL 386 American Realism | 3 |
- ENGL 387 Modern American Literature | 3 |
- ENGL 388 Contemporary Literature | 3 |
- ENGL 389 Postcolonial Literature | 3 |
- ENGL 395 The Graphic Novel | 3 |
- ENGL 356 American Poetry | 3 |
- ENGL 357 American Novel | 3 |
- ENGL 358 The British Novel | 3 |
- ENGL 360 Themes in World Literature | 3 |
- ENGL 374 Literary Criticism and Theory | 3 |
- ENGL 377 Medieval European Literature | 3 |
- ENGL 378 Old and Middle English Literature | 3 |
- ENGL 379 British Literature of the Renaissance | 3 |
- ENGL 380 Seventeenth-Century British Literature | 3 |
- ENGL 381 Eighteenth-Century British Literature | 3 |
- ENGL 382 British Romanticism | 3 |
- ENGL 383 Victorian Literature | 3 |
- ENGL 384 Modern British Literature | 3 |
- ENGL 385 American Romanticism | 3 |
- ENGL 386 American Realism | 3 |
- ENGL 387 Modern American Literature | 3 |
- ENGL 388 Contemporary Literature | 3 |
- ENGL 389 Postcolonial Literature | 3 |
- ENGL 395 The Graphic Novel | 3 |

#### Co-requisite courses:

- PSED 250 The Psychology of Learners In Diverse Communities | 3 |
- PSED 161 Foundations of Education | 3 |
- PSED 406 Teaching of English in the Secondary Schools | 3 |
- PSED 420 Seminar in Secondary Education I: Instructional Structures and Strategies | 3 |
- PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom | 3 |
- PSED 430 Student Teaching in Secondary Education/ Middle School/Junior High School | 6 |
- PSED 431 Student Teaching in Secondary Education/ Senior High School | 6 |
- REED 350 Teaching Reading to Communities of Diverse Learners | 3 |
- SPED 102 Diversity of the Learner | 3 |
- SPED 105 Special Education History and Law | 3 |
- SPED 201 Assessment and Evaluation in Special Education | 3 |
- SPED 214 Positive Behavior Support | 3 |
- SPED 215 Instructional Planning in Special Education | 3 |
- SPED 313 Curriculum and Instruction for Students with High Incidence Disabilities | 3 |
- SPED 314 Curriculum and Instruction for Students with Low Incidence Disabilities | 3 |
- SPED 350 Assessment of Student Learning and Behavior in Diverse Communities | 3 |
The English Department creates its teacher preparation programs to comply with guidelines and policies of East Stroudsburg University, the Pennsylvania Department of Education, the Pennsylvania State System of Higher Education, and other accrediting organizations. Requirements are thus subject to change, so students should always consult with faculty advisers about the most recent program requirements.

### 4 YEAR CURRICULUM PROGRAM PLAN

**(Subject to change by the university without notice)**

#### Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 104</td>
<td>English Composition for Secondary English and Middle Level Education Majors</td>
<td>3</td>
</tr>
<tr>
<td>PSED 161</td>
<td>Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 163</td>
<td>GN: The Study of Literature</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
<tr>
<td>GN:</td>
<td>General Education Elective - Natural Science (Math)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>GN:</td>
<td>General Education Elective - Natural Science (Math)</td>
<td>3</td>
</tr>
<tr>
<td>GN:</td>
<td>General Education Elective - Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>THTR 100</td>
<td>Introduction to Theatre</td>
<td>3</td>
</tr>
<tr>
<td>SPED 102</td>
<td>Diversity of the Learner</td>
<td>3</td>
</tr>
<tr>
<td>SPED 105</td>
<td>Special Education History and Law</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 231</td>
<td>English Grammar</td>
<td>3</td>
</tr>
<tr>
<td>GN:</td>
<td>General Education Elective - Arts &amp; Letters</td>
<td>3</td>
</tr>
<tr>
<td>(American or English Literature I)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GN:</td>
<td>General Education Elective - Social Science</td>
<td>3</td>
</tr>
<tr>
<td>GN:</td>
<td>General Education Elective - Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>SPED 201</td>
<td>Assessment and Evaluation in Special Education</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSED 250</td>
<td>The Psychology of Learners in Diverse Communities</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 332</td>
<td>Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 261</td>
<td>GN: British Literature II</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 265</td>
<td>GN: American Literature II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 18**

#### Junior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 356</td>
<td>American Poetry</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 357</td>
<td>American Novel</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 358</td>
<td>The British Novel</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 374</td>
<td>Literary Criticism and Theory</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 377</td>
<td>Medieval European Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 378</td>
<td>Old and Middle English Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 379</td>
<td>British Literature of the Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 380</td>
<td>Seventeenth-Century British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 381</td>
<td>Eighteenth-Century British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 382</td>
<td>British Romanticism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 383</td>
<td>Victorian Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 384</td>
<td>Modern British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 385</td>
<td>American Romanticism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 386</td>
<td>American Realism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 387</td>
<td>Modern American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 388</td>
<td>Contemporary Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 389</td>
<td>Postcolonial Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 391</td>
<td>Geoffrey Chaucer</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 393</td>
<td>Major Writers</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 18**

#### Senior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSED 406</td>
<td>Teaching of English in the Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>PSED 421</td>
<td>Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 466</td>
<td>Teaching Multicultural Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPED 314</td>
<td>Curriculum and Instruction for Students with Low Incidence Disabilities</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 18**

#### One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 356</td>
<td>American Poetry</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 357</td>
<td>American Novel</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 358</td>
<td>The British Novel</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 374</td>
<td>Literary Criticism and Theory</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 377</td>
<td>Medieval European Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 378</td>
<td>Old and Middle English Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 379</td>
<td>British Literature of the Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 380</td>
<td>Seventeenth-Century British Literature</td>
<td>3</td>
</tr>
</tbody>
</table>
ENGL 381  Eighteenth-Century British Literature 3
ENGL 382  British Romanticism 3
ENGL 383  Victorian Literature 3
ENGL 384  Modern British Literature 3
ENGL 385  American Romanticism 3
ENGL 386  American Realism 3
ENGL 387  Modern American Literature 3
ENGL 388  Contemporary Literature 3
ENGL 389  Postcolonial Literature 3
ENGL 391  Geoffrey Chaucer 3
ENGL 393  Major Writers 3

Subtotal: 15

Spring
PSED 430  Student Teaching in Secondary Education/ Middle School/Junior High School 6
ENGL 499  Student Teaching Internship 1
SPED 351  Collaboration for Inclusion 3

Subtotal: 16

English Minor

PROGRAM FEATURES
18 credits

Additional requirements:
• Nine (9) of the 18 credits for the minor must be taken at ESU.

Required courses:
ENGL 1XX  One 100-level English literature course (from ENGL 162 and above) 3
ENGL 2XX  200-level Writing course 3
ENGL 2XX  200-level Literature course 3
ENGL 3xx/4xx  three (3) ENGL courses at the 300 level or above 9

Subtotal: 18

Business Writing Certificate

PROGRAM FEATURES
12 Credits

Required course:
ENGL 205  Workplace Writing 3

Subtotal: 3

Three courses from the following six courses:
ENGL 304  Professional Writing: Advanced Technical, Administrative, and Grant Writing 3
ENGL 305  Professional Writing: Public Relations 3
ENGL 306  Professional Writing: Advertising 3
ENGL 307  Professional Writing: Website Writing and Design 3
ENGL 308  Professional Writing: Creative Campaigns in Public Service 3
ENGL 309  Professional Writing for Social Media 3

Subtotal: 9

English Faculty

Professors:
William Broun (wbroun@esu.edu)
Kathleen Duguay (kduguay@esu.edu)
Sandra Eckard (seckard@esu.edu)
Leigh Smith (jsmith@esu.edu)
Nancy VanArsdale, (npva@esu.edu)

Associate Professors:
Jeffrey Hotz, Chair (jhotz@esu.edu)
Cynthia Leenerts (cleenerts@esu.edu)
Richard Madigan (rmadigan@esu.edu)
Jan Selving (jselving@esu.edu)
Holly Wells (hwells1@esu.edu)
Artress B. White (awhite43@esu.edu)

Assistant Professors:
Erica Dymond (edymond@esu.edu)
Laura Kieselbach (lkieselbach@esu.edu)
Jasmine Villa (jvilla@esu.edu)

ENGL - English Courses

ENGL 091 - Composition Skills for Foreign Students (3 credits)
This course, a special section of ENGL 090, offers international students the opportunity to improve their writing, reading, listening, and speaking skills (in that order).

ENGL 100 - Writing (3 credits)
This course, a special section of ENGL 090, offers international students the opportunity to improve their writing, reading, listening, and speaking skills (in that order).

ENGL 101 - Elements of Writing (3 credits)
This course offers an introduction to core skills in academic writing. Students will gain expertise in sentence construction, paragraph structure, the development of evidence and support, and the effective use of patterns of organization. Through textual analysis, students will recognize how sentences, paragraphs, and essays are arranged to achieve clear written communication. Students will compose short and medium-length essays that address a variety of tasks in academic settings.

ENGL 103 - English Composition (3 credits)
This course entails the comprehensive study and practice of university-level expository writing. Students gain essential writing-process skills in essay planning, drafting, revising, and editing. The course provides instruction in the use of rhetorical strategies to develop successful written arguments for different audiences. Students analyze, synthesize, interpret, and evaluate academic source material while learning proper citation techniques for attributing ownership and avoiding plagiarism according to a major documentation system. Students must receive a minimum grade of “C” to fulfill the English Composition requirement.

ENGL 104 - English Composition for Secondary English and Middle Level Education Majors (3 credits)
Specifically designed for those preparing for a B.S in Secondary English or Middle Level Education, this course will provide students with experience in the formal styles of academic writing and research. They will be introduced to reading strategies that permit access to a wide range of print and non-print texts, such as video, internet, and print media that address America’s most pressing social concerns and learn to analyze them critically. Through oral presentations, collaborative writing exercises, and formal research projects, students will gain experience in utilizing these media in the classroom.

ENGL 162 - GN: Introduction to Literary Analysis and Interpretation (3 credits)
Designed to acquaint the student with the basic skills of literary interpretation, this course includes readings in selected works of literature and examines such topics as explication and analysis of literary genres, plot, character, foreshadowing, atmosphere, symbolism, and imagery. Distribution: GE: Humanities | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL 103 or ENGL 104; may be taken concurrently.
ENGL 163 - GN: The Study of Literature (3 credits)
Students will study fiction, poetry and drama from around the world and write a number of critical papers. Students will also conduct critical research and will demonstrate familiarity with a wide variety of critical approaches.
Distribution: GN: Group A - English Language & Literature (AEL) | Communication (C) | Global Diversity and Citizenship (G) | Information Literacy and Technology (I). Prerequisite: ENGL103 or ENGL 104; may be taken concurrently.

ENGL 173 - GN: Literature Of War (3 credits)
This is a course of guided readings from classical to contemporary authors about the war experience.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL103 or ENGL 104; may be taken concurrently.

ENGL 174 - GN: Literature and Religion (3 credits)
This course introduces students to the critical analysis of literary texts that focus on religious themes, traditions, and questions.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL103 or ENGL 104; may be taken concurrently.

ENGL 175 - GN: Biblical Literature (3 credits)
This course covers readings from the Old and New Testaments and from the Apocrypha, as well as from parallel texts such as creation and flood narratives from other religions. Students will also consider historical and cultural contexts.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL103 or ENGL 104; may be taken concurrently.

ENGL 177 - GN: Environmental Literature (3 credits)
This introductory course focuses on how environment and setting functions in literature. Texts have been selected where environmental issues are central to the theme. Students will read all course texts and write about them in journal entries, formal papers, and final exams.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL103 or ENGL 104; may be taken concurrently.

ENGL 178 - GN: Horror And Fantasy (3 credits)
This introductory literature course explores the genres of horror and fantasy. Students will read classic and contemporary texts in these genres and become familiar with literary terms and conventions such as narrators, settings, characterization, and figurative language. Students will explore the creative strategies and characteristics that make these genres unique through assigned reading, class discussion, paper assignments, and collaborative activities.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL103 or ENGL 104; may be taken concurrently.

ENGL 180 - GN: Literature and Science (3 credits)
This course will explore the dynamic intersections of physical, earth, and forensic sciences with examples of fiction, nonfiction, poetry, and song: the ideas and practices, from genetic engineering to medicine to “survival of the fittest” to crime detection, of various scientific fields (biology, forensic science, nuclear science, physics, etc.) as they are represented or misrepresented in creative works of literatures, as well as literature’s profound effects on science.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL103 or ENGL 104; may be taken concurrently.

ENGL 182 - GN: Literature of Sport and Games (3 credits)
This course introduces students to significant works of fiction and non-fiction concerning sport and games.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL103 or ENGL 104; may be taken concurrently.

ENGL 183 - GN: WS: Women In Literature (3 credits)
This course introduces students to the literature of established women authors from a range of racial, ethnic, and socio-political backgrounds. Through reading and writing assignments, as well as class discussion, students will explore literature that deals with issues such as body image, family, empowerment, violence, gender roles, identity, and cultural attitudes through a woman’s point of view.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C) | Global Diversity and Citizenship (G). Prerequisite: ENGL103 or ENGL 104; may be taken concurrently.

ENGL 188 - GN: Mystery Fiction (3 credits)
This course will examine the history and development of the mystery fiction genre through selected example texts.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL 103 or ENGL 104; may be taken concurrently.

ENGL 190 - GN: Multicultural American Literature (3 credits)
Students will analyze, interpret and write about the multiplicity of ethnic experiences that make up American cultural experiences. This work can address a variety of cultural groups and experiences not limited to African-American, Latino/a, European-American, or Asian-American.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C) | Global Diversity and Citizenship (G). Prerequisite: ENGL 103 or ENGL 104; may be taken concurrently.

ENGL 192 - GN: Native American Literature (3 credits)
Students will learn to analyze, interpret and write about works produced by native North American authors. The course will consider works from the historical period that begins with the U.S. Republic and continues to the present. It will include both original works and works in translation.
Pre-requisite: This course requires completion of, or concurrent enrollment in English 103.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C) | Global Diversity and Citizenship (G). Prerequisite: ENGL103.

ENGL 194 - GN: African American Literature (3 credits)
Students will read and write about the cultural and artistic forces that gave birth and shape to what has come to be called African American Literature. From the slave narratives and folktales of the 18th and 19th centuries to contemporary fiction and drama, these works make up a body of literature that is defined through race even as it transcends it.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C) | Global Diversity and Citizenship (G). Prerequisite: ENGL 103 or ENGL 104; may be taken concurrently.

ENGL 196 - GE: Italian American Literature (3 credits)
Students will read and discuss texts relating to Italian American history, literature, and culture. Students will analyze the media stereotypes adhering to Italian Americans and seek to develop an understanding of their positive contribution to American life.
Distribution: GE: Humanities - English. Prerequisite: ENGL 103 or ENGL 104; may be taken concurrently.

ENGL 203 - GN: Advanced Composition (3 credits)
This course is designed to give students further practice in expository writing to improve their skills. Students will explore a topic through short
and long reading and writing assignments in a workshop environment. At least one course project will be a substantial academic research paper. Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C) | Level II Writing (W2) | Information Literary & Technology (I). Prerequisite: ENGL 103 or 104.

ENGL 204 - Technical Writing (3 credits)
This course acquaints students with the skills necessary for professional writing in such fields as engineering and the sciences. Students will write proposals, operations manuals, and a variety of technical reports. Distribution: Level II Writing (W2). Prerequisite: ENGL 103 or ENGL 104.

ENGL 205 - Workplace Writing (3 credits)
This course presents the skills necessary for writing in workplace contexts such as businesses and non-profit organizations. Students will write and present a wide range of workplace texts, including resumes, application letters, proposals, reports, e-mails, memos, and letters. Distribution: Level II Writing (W2). Prerequisite: ENGL 103 or 104.

ENGL 208 - Writing About Young Adult Literature (3 credits)
The primary focus of this course is critical reading and writing in relation to young adult literature. Students will read a wide variety of genres and write in a variety of modes (expressive, analytical, expository). The purposes of this course are (1) to strengthen students' writing skills for various purposes and audiences, and (2) to raise awareness about the literary and interdisciplinary merits of young adult literature and its relevance in terms of the lives of young adults and the culture within which they live. Distribution: Level II Writing (W2). Prerequisite: ENGL 103 or 104.

ENGL 215 - News Reporting and Writing (3 credits)
This course is an introduction to print journalism, including practice in all activities relevant to daily newspaper work. Assignments will emphasize the techniques of reporting, interviewing, copy-editing, fact checking, proofreading, and editorial and feature writing. There will be some discussion of layout and typography as well. Distribution: Advanced (ADVD) | Level II Writing (W2). Prerequisite: ENGL 103 or ENGL 104, and any other ENGL course of 100-level or above.

ENGL 218 - Sports Writing (3 credits)
The course will deal with the techniques of daily reporting and feature writing about sports events, personalities, and issues. Emphasis will be given to newspaper and magazine writing, with some photojournalism required. Students will take their manuscript copy through the editing process to the printed page. Distribution: Advanced (ADVD) | Level II Writing (W2). Prerequisite: ENGL 103 or ENGL 104, and ENGL 215.

ENGL 220 - Script Writing (3 credits)
This course will introduce the craft of script writing and provide an opportunity to apply the techniques to film, television, and theatre. Students will prepare short scripts and a major work, ranging from a scenario, to a television play, to a one-act play. Distribution: Advanced | Level II Writing (W2). Prerequisite: ENGL 103 or ENGL 104, and any ENGL literature course.

ENGL 224 - Writing Children's Fiction (3 credits)
This writing workshop will focus on all aspects of writing for children and young adults. This is an introductory level course aimed specifically at writing short and full length children's books. Distribution: Advanced (ADVD) | Level II Writing (W2). Prerequisite: ENGL 103 or ENGL 104, and any other ENGL literature course.

ENGL 225 - GN: Introduction to Creative Writing (3 credits)
This course is a workshop in writing poetry, fiction, and drama. It is designed to introduce students to the mechanics of each genre and to the workshop format. Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Artistic Expression (A) | Communication (C) | Level II Writing (W2) | Advanced. Prerequisite: ENGL 103; any English Department literature class.

ENGL 231 - English Grammar (3 credits)
This course is required for those seeking secondary certification in English. It consists of a review of the basic precepts of traditional grammar and an introduction to new grammars. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; one additional ENGL course, 100-level or above.

ENGL 260 - GN: British Literature I (3 credits)
This course is an introductory survey of British literature to 1800 designed to acquaint the student with major literary figures, works and trends. Offered in the fall. Distribution: GN: Group A - English Language & Literature (AEL) | Advanced (ADVD) | Communication (C). Prerequisite: ENGL 103 or ENGL 104; one additional 100- or 200-level ENGL literature course.

ENGL 261 - GN: British Literature II (3 credits)
This course is an introductory survey of British literature from 1800 to the present, designed to acquaint the student with major literary figures, works, and trends. Offered in the spring. Distribution: Advanced (ADVD) | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL 103 or ENGL 104; one additional 100- or 200-level ENGL literature course.

ENGL 264 - GN: American Literature I (3 credits)
This course is an introductory survey of American literature to the Civil War, designed to acquaint the student with major literary figures, works, and trends. Offered in the fall. Distribution: Advanced (ADVD) | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL 103 or ENGL 104; one additional 100- or 200-level ENGL literature course.

ENGL 265 - GN: American Literature II (3 credits)
This course is an introductory survey of American literature from the Civil War to the present, designed to acquaint the student with major literary figures, works, and trends. Offered in the spring. Distribution: Advanced (ADVD) | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL 103 or ENGL 104; one additional 100- or 200-level ENGL literature course.

ENGL 272 - GN: Introduction to Creative Writing (3 credits)
This course is a workshop in writing poetry, fiction, and drama. It is designed to introduce students to the mechanics of each genre and to the workshop format. Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Artistic Expression (A) | Communication (C) | Level II Writing (W2) | Advanced. Prerequisite: ENGL 103; any English Department literature class.
ENGL 274 - Diversity in Literature (3 credits)
The objective of this course is to provide education majors with an understanding and appreciation of historically underrepresented groups via the lens of literature. In addition to examining traditional issues of race, religion, gender, and sexual orientation, this class will also address current issues of gender identification, socio-economic identification, physical/intellectual exceptionalities, and body image.
Distribution: GE: Humanities - English (HUEN) | GN: Group A - English Language & Literature (AEL) | Communication (C) | Advanced (ADVD). Prerequisite: ENGL 103 or ENGL 104.

ENGL 275 - GN: Comedy (3 credits)
These courses emphasize the characteristics and techniques differentiating the literary genres. Attention is also given to the historical development of the genre. The courses are offered as interest permits.
Distribution: GE: Humanities - English (HUEN) | GN: Group A - English Language & Literature (AEL) | Communication (C) | Advanced (ADVD). Prerequisite: ENGL103 AND ENGL162 OR ENGL163.

ENGL 276 - GE: The Epic (3 credits)
These courses emphasize the characteristics and techniques differentiating the literary genres. Attention is also given to the historical development of the genre. The courses are offered as interest permits.
Distribution: GE: Humanities - English; Advanced.

ENGL 277 - GN: The Lyric (3 credits)
These courses emphasize the characteristics and techniques differentiating the literary genres. Attention is also given to the historical development of the genre. The courses are offered as interest permits.
Distribution: GE: Humanities - English (HUEN) | GN: Group A - English Language & Literature (AEL) | Communication (C) | Advanced (ADVD).

ENGL 279 - GN: The Romance (3 credits)
These courses emphasize the characteristics and techniques differentiating the literary genres. Attention is also given to the historical development of the genre. The courses are offered as interest permits.
Distribution: GE: Humanities - English (HUEN) | GN: Group A - English Language & Literature (AEL) | Communication (C) | Advanced (ADVD).

ENGL 280 - GN: Satire And Irony (3 credits)
These courses emphasize the characteristics and techniques differentiating the literary genres. Attention is also given to the historical development of the genre. The courses are offered as interest permits.
Distribution: GE: Humanities - English (HUEN) | GN: Group A - English Language & Literature (AEL) | Communication (C) | Advanced (ADVD).

ENGL 282 - GN: Drama (3 credits)
These courses emphasize the characteristics and techniques differentiating the literary genres. Attention is also given to the historical development of the genre. The courses are offered as interest permits.
Distribution: GE: Humanities - English (HUEN) | GN: Group A - English Language & Literature (AEL) | Communication (C) | Advanced (ADVD).

ENGL 284 - GN: Short Story (3 credits)
This course emphasizes the characteristics of the short story format. Attention is also given to the historical development of the genre as well as strategies for analyzing the texts. This course will increase students’ appreciation and enjoyment of literature and sharpen their analytical, speaking, and writing skills.
Distribution: GE: Humanities - English | GN: Group A - English Language & Literature (AEL) | Communication (C). Prerequisite: ENGL 103 or ENGL 104.

ENGL 290 - Special Topics: (Semester hours arranged)
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

ENGL 302 - Creative Writing-Fiction (3 credits)
This course is a workshop in the writing of prose fiction, with emphasis on the techniques of the short story. Supplementary readings may be assigned by the instructor.
Distribution: Level III Writing (W3) | Advanced. Prerequisite: ENGL 103; any English Department literature class.

ENGL 303 - Creative Writing-Poetry (3 credits)
This course is a workshop in the writing of poetry. Students are expected to achieve competence in a variety of forms. Supplementary readings may be assigned by the instructor.
Distribution: Advanced (ADVD) | Level III Writing (W3). Prerequisite: ENGL 103 or ENGL 104; ENGL 225; any English Department literature class.

ENGL 304 - Professional Writing: Advanced Technical, Administrative, and Grant Writing (3 credits)
This advanced professional writing course focuses on theories and applications of technical, administrative, and grant writing in print and electronic media. Students will explore mainstream, practical approaches to technical communication, business reports, and grant proposals and will create their own professional documents. The class prepares students to work in fields such as biomedical writing, grant development, and software documentation.
Distribution: Advanced, W3. Prerequisite: ENGL 203, ENGL 204, ENGL 205, or ENGL 215.

ENGL 305 - Professional Writing: Public Relations (3 credits)
This course is a workshop in the writing forms and styles, from basic press releases to multi-media public relations campaigns, used by communications professionals; students will also explore topics in media relations, business ethics, and non-profit/corporate public relations case studies.
Distribution: Level III Writing (W3) | Advanced. Prerequisite: ENGL 103; one of ENGL 203, ENGL 204, ENGL 205 or ENGL 215.

ENGL 306 - Professional Writing: Advertising (3 credits)
The course is a workshop in advertising copywriting. Students will examine current advertisements and learn to write print ad copy and broadcast scripts. They will explore the relationship between copy and images and will consider some of the ethical challenges, which can face a copywriter.
Distribution: Advanced (ADVD) | Level III Writing (W3). Prerequisite: ENGL 103 or ENGL 104; and one of ENGL 203, ENGL 204, ENGL 205 or ENGL 215.

ENGL 307 - Professional Writing: Website Writing and Design (3 credits)
This course is a workshop in writing for the Internet. Students will learn how to plan, write, design, evaluate, and test web pages and sites.
Distribution: Advanced (ADVD) | Level III Writing (W3). Prerequisite: ENGL 103 or ENGL 104; one of ENGL 203, ENGL 204, ENGL 205 or ENGL 215.

ENGL 308 - Professional Writing: Creative Campaigns in Public Service (3 credits)
This advanced professional writing course offers a service learning experience for English majors on the Professional Writing track, Writing track, and other minors/majors. Utilizing techniques in public relations and advertising, student teams will research, plan, and create a comprehensive messaging campaign to benefit a campus or community client, a cause or non-profit organization.
Distribution: Advanced (ADVD) | Level III Writing (W3). Prerequisite: ENGL 103 and ENGL 104; and one of ENGL 203, ENGL 204, ENGL 205, OR ENGL 215; and completion of or concurrent enrollment in ENGL 305 or ENGL 306.
ENGL 330 - Professional Writing for Social Media (3 credits)
This writing workshop-style course focuses on specialized compositional skills used in online social media writing within corporate, governmental, and non-profit contexts, with an emphasis on social media writing strategies in marketing and public relations. A secondary focus will be on emerging ethical and practical dilemmas and opportunities posed and multiplied by social media, as well the history of social media. Distribution: Level III Writing (W3). Prerequisite: ENGL 103 or ENGL 104; CMST 111, CMST 126, ENGL 203, ENGL 204, ENGL 205, OR ENGL 215.

ENGL 334 - History of the English Language (3 credits)
This course is designed to introduce students to the major theories about the origins, the social and historical contexts, and the development of English as a distinct language. It is an introductory study of selected topics in English semantics, phonology, morphology, and syntax from the pre-history of English to the present. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; any other English Department course (ENGL 231 recommended).

ENGL 332 - Linguistics (3 credits)
This is an introductory study of human language theory. Given evidence from various languages, students will formulate explicit generalizations, which will give them insight into linguistic theory. Investigation will then turn to social variations within languages, changes that occur in languages over time, the use of language to communicate, and language acquisition. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; ENGL 231 or any other English Department course (ENGL 231 recommended).

ENGL 317 - Reviewing The Arts (3 credits)
This course offers intensive study of literature of the Middle Ages, including the medieval epic, romance, and other influential genres of European literature from the 5th to the 15th century. Students will practice the necessary skills to respond and understand literary texts that come from cultures outside the British and American traditions. Students will read a wide range of texts from various world cultures in English translation. The cultural context, history, social contexts, and literary traditions will be explored along with the unique problems of working with texts in translation. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; any other English Department literature course.

ENGL 318 - English Poetry (3 credits)
This course is designed to introduce students to the major theories about the origins, the social and historical contexts, and the development of English as a distinct language. It is an introductory study of selected topics in English semantics, phonology, morphology, and syntax from the pre-history of English to the present. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; any other English Department course (ENGL 231 recommended).

ENGL 319 - Writing Creative Non-Fiction (3 credits)
This course explores the techniques and history of the New Journalism as practiced by Tom Wolfe, Annie Dillard, and others. Students will read and write nonfiction that makes use of on-site reporting, in-depth interviews, and literary feature writing style. Distribution: Advanced (ADVD) | Level III Writing (W3). Prerequisite: ENGL 103 or ENGL 104; any English Department literature, creative writing, or journalism class.

ENGL 320 - Electronic Creative Writing (3 credits)
This advanced class entails the study and practice of creative writing in online environments. Students will read, study, and create multimodal forms of poems, stories, creative non-fiction, or other imaginative art forms that thoughtfully employ online text, hypertext, graphics, audio, and/or video. A critical history, global context, and ethics of electronic creative writing will also be presented. Distribution: Advanced (ADVD) | Level III Writing (W3). Prerequisite: ENGL 103 or ENGL 104; any English Department literature or creative writing class.

ENGL 322 - Medieval European Literature (3 credits)
This course offers intensive study of literature of the Middle Ages, including the medieval epic, romance, and other influential genres of European literature from the 5th to the 15th century.
ENGL 387 - Modern American Literature (3 credits)
This class is a broad survey of some of the major writers and texts of the Modernist period in American literature, which began roughly around 1914 and extended in some instances as far as 1965. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 388 - Contemporary Literature (3 credits)
These courses are intensive studies of the dominant literary spirit as reflected in both major and minor writers of particular eras in the American and British tradition. Distribution: Level III Writing (W3) | Advanced.

ENGL 389 - Postcolonial Literature (3 credits)
This course is a study of works by English-speaking writers from Asia, the Middle East, Africa, the Caribbean, Australia, and New Zealand, as well as English-speaking diasporic writers residing in the UK, the US, and Canada. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 390 - Shakespeare (3 credits)
This course offers intensive study of Shakespeare's plays and the social and political milieu of the Elizabethan period. Distribution: Level III Writing (W3) | Advanced. Prerequisite: ENGL 162.

ENGL 391 - Geoffrey Chaucer (3 credits)
This course offers intensive study of the poetry of Geoffrey Chaucer and the social and political milieu of Chaucer's England. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 392 - John Milton (3 credits)
This course will consider Milton's major works within the literary, religious, political and social cross-currents of the 17th Century. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 393 - Major Writers (3 credits)
This course will offer intensive study of a writer about whom a significant body of critical texts exists. A study of at least one writer chosen by the department will be offered each year. Students may take this course for credit more than once if they wish to study more than one major writer. Students may not improve a grade by retaking the course when a different major writer is studied. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 395 - The Graphic Novel (3 credits)
This course is a study of the graphic-novel genre, covering its literary and artistic aspects. Students read a wide variety of literary graphic novels, write analytical essays, and learn theory and practice of sequential-art narratives. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 412 - Teaching of Writing in the Secondary and Middle Schools (3 credits)
This course will briefly survey the history of the teaching of writing in American secondary and middle schools, intensively review writing proves theory and research of the past two decades, and critically consider the implications of writing process theory and research for classroom practice. Distribution: Advanced.

ENGL 415 - Computers And Writing (3 credits)
In this course, students will explore the issues surrounding electronic writing technologies and will analyze the implications of these technologies for society and the written word. Students will explore how
these new forms of writing have changed traditional notions of composition through a variety of reading and class discussion. They will also experience the influence of these technologies and further explore these theories in a series of electronic and traditional writing projects. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and ENGL 203, 204, or 205.

**ENGL 437 - Freelance Writing (3 credits)**
This course focuses on freelance writing as a career, with topics such as how to determine a specialty, how to come up with topics, where to find freelance jobs, how to bid on jobs, how to file taxes, how to market oneself, and how to keep inspiration coming. Distribution: ADVD. Prerequisite: ENGL 103 or ENGL 104; and one of ENGL 203, 204, 205, OR 215.

**ENGL 466 - Teaching Multicultural Literature (3 credits)**
The English/Education major will utilize a seminar setting to focus on a detailed consideration of current multicultural subject matter, theory, and strategy that may be effective in the multicultural classroom. Distribution: Advanced. Prerequisite: ENGL 162 OR ENGL 163.

**ENGL 467 - Literature And Film (3 credits)**
This course is designed to enhance critical analysis of popular classical texts. This course will examine specific literature and the film versions of these texts throughout the years. Students will extend their knowledge of the literature by examining how the essence of the text transfers to various film versions of the original literature. Students will produce personal, comparative, and research-based writings in this course. Distribution: Advanced. Prerequisite: ENGL 162 OR ENGL 163.

**ENGL 485 - IS: (1 - 3 credits)**
Directed research and study on an individual basis. Open to advanced students (90 credits) on a limited basis upon approval of the department or the instructor and after the completion of twelve semester hours in the subject. Independent studies cannot be given in areas in which courses are being taught. A student entering upon independent study must complete a minimum of five (5) hours of individual conference time with the sponsoring professor for each credit undertaken. The student must demonstrate competencies appropriate to the level of the course. The standards shall include performance in the subject, explication of that work by written or oral reports, and evidence of willingness to meet the commitments of the discipline. Distribution: Advanced.

**ENGL 486 - Internship in Written Expression (1 - 12 credits)**
This is an opportunity for a limited number of advanced students to develop their skills by applying them in a professional situation and thus receive both an apprenticeship experience and college credit. May be repeated for additional credit. Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; any other English Department literature course; and permission of the instructor.

**ENGL 499 - Student Teaching Internship (1 credit)**
This course is designed to provide the student with an opportunity to work with a faculty member in English during the student teaching experience. Distribution: Advanced. Prerequisite: PSED430 OR PSED431.

---

**Exercise Science**

**College of Health Sciences**

**The Faculty of Human Performance**

Koehler Fieldhouse
570-422-3302
www.esu.edu/exsc

---

**What is Exercise Science?**
Exercise Science is the study of muscular activity and adaptations of the human body to this activity. Several sub-disciplines are involved in Exercise Science including Exercise Physiology, Biomechanics and Sports Nutrition. In the Department of Exercise Science, undergraduate students experience these sub-disciplines within the excellent facilities at East Stroudsburg University.

**About the Program**
East Stroudsburg University has a distinguished history in Exercise Science. The Department of Exercise Science offers undergraduate and graduate degree programs accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) and has received endorsement by both the American College of Sports Medicine (ACSM) and the National Strength and Conditioning Association (NSCA).

The mission of the Department of Exercise Science is to provide students a vehicle within an intellectual environment that fosters their knowledge in the areas of Exercise Science. Through the Exercise Science curriculum, laboratory experiences, applied research, internships, and student-faculty interactions, Exercise Science graduates will have developed knowledge and skills essential for entry-level exercise science professionals or a continuation to a graduate level education.

**About the Department of Exercise Science**
The Department of Exercise Science offers programs of study leading to the Bachelor of Science in Exercise Science with a concentration in Exercise Physiology, Sport and Exercise Conditioning or Therapeutic Sciences. The Exercise Physiology concentration prepares students for more advanced studies in Exercise Science. The concentration in Sport and Exercise Conditioning prepares students for work in the health and fitness professions. The Therapeutic Sciences concentration prepares students to be competitive candidates for professional study in DPT, OT and PA.

Students accepted to the 3-Year Accelerated Program will be given the unique opportunity to complete their undergraduate degree in three calendar years. Potential benefits of our accelerated program include:
- Early entry into the workforce or graduate/professional school
- Completion of undergraduate and master’s degree in four years if attending one of ESU’s graduate programs in exercise science
- Reduced reliance on student loans
- Additional academic and social experiences with other accelerated students and faculty
- Reserved campus housing with other accelerated students in a Living and Learning Community

**Three-Year Accelerated Program admission requirements**
- High school GPA >3.0
- SAT >1050
- Math SAT >550

Graduate programs are also offered with the Master of Science in Clinical Exercise Physiology and the Master of Science in Exercise Science. The degree programs in Exercise Science promote a multidisciplinary approach to the study of exercise science and prepare the student for careers in health and fitness-related fields in both public and private industries.

Most of our faculty hold doctoral degrees (Ph.D.) and specialize in Sport and Exercise Physiology, Biomechanics, Clinical Exercise Physiology, and/or Kinesiology. They all undertake research in their respective areas of expertise and all work closely with the students.

Many of our Exercise Science graduates pursue master’s degrees in Exercise Science or Clinical Exercise Physiology.
Other graduates have even pursued and completed doctoral programs at other institutions to pursue a teaching career at a university.

**Are you interested in ...**
- The science behind sport and exercise performance
- Providing health care through exercise
- Pre-health care professional preparation - PT, PA, OT
- Working in the health and fitness industry
- Research in sport and health
- Sport nutrition

**Choose Exercise Science at ESU**
- CAAHEP nationally accredited program
- Small class sizes
- Qualified, experienced faculty
- 20+ classes with laboratory hands-on experience
- Practical internships
- Opportunity to obtain three professional certifications

**Is exercise science a career path for me?**

**Career Potential**
- Health Fitness Specialist
- Certified Strength and Conditioning Specialist
- Pre-PT, Pre-OT, Pre-PA, Pre-M.S.
- Personal trainer
- Sport Performance Coach
- Research Assistant

**Career Settings**
- Corporate health and fitness centers
- Hospital or community wellness
- (or health and fitness) centers
- Commercial health and fitness centers
- Sports medicine and rehabilitation clinics
- Physician or chiropractic fitness centers
- Nursing homes, senior citizen centers
- Teaching in high schools, colleges and universities
- Research laboratories

*More detailed career information is available from the department.*

**Program Objectives**
1. To provide students with a vehicle within an intellectual environment that fosters their knowledge in the areas of Exercise Science.
2. To ensure that Exercise Science graduates will have developed knowledge and skills essential for entry-level exercise science professionals or a continuation to graduate level education.
3. To prepare undergraduate Exercise Science students for advanced professional certifications/licenses from professional organizations like the American College of Sports Medicine (ACSM) or the National Strength and Conditioning Association (NSCA).

In the Bachelor of Science Exercise Science program, the student covers all aspects of Exercise Science taught through classroom and laboratory experiences.

Students who enter the Exercise Science major begin their studies by taking the Exercise Science core classes. As juniors and seniors, Exercise Science students choose a set of co-requisite courses to focus their studies in one of three concentrations:

- Exercise Physiology– This concentration prepares the student for more advanced studies in Exercise Science.
- Sport and Exercise Conditioning– This concentration prepares the student for work in the health and fitness professions.
- Therapeutic Sciences - This concentration prepares students for advanced professional education in physical therapy, occupational therapy, and physician assistant.

Opportunities to gain experience in a work environment exist through internships offered as part of the major in Exercise Science. In addition, students are encouraged to participate in campus organizations emphasizing practical experience. Certification opportunities are also available from nationally recognized organizations including the American College of Sports Medicine, the American Heart Association and the National Strength and Conditioning Association.

**National Accreditation**
The Commission on Accreditation of Allied Health Programs (CAAHEP) certifies that the Exercise Science Program at ESU meets all of the educational requirements set forth for accreditation.

The American College of Sports Medicine endorses the Exercise Professional program at ESU as matching the goals of the Health/Fitness Instructor level of certification.

The National Strength and Conditioning Association recognizes the Exercise Science program at ESU as matching the needs for professionals interested in Strength and Conditioning.

**Internships**
Exercise Science students undertake an internship during their time at East Stroudsburg University. Students may choose from more than 150 approved internship sites that provide exceptional opportunities for the student to apply their knowledge in a professional setting. The internships also provide an opportunity for Exercise Science students to experience the careers that are available to them when they graduate. The undergraduate internship experience allows the student to apply the skills and knowledge accrued during their formal Exercise Science education in an environment that requires the sustained use of professional practices.

Typical internship sites chosen by Exercise Science undergraduates include:
- Velocity Sports Performance
- Professional and Collegiate Sport Teams
- Elevations Fitness Club
- St. Luke’s Health Center
- Lehigh Valley Health Network

**Exercise Facilities**
The Department of Exercise Science at ESU supports excellent physiology and biomechanics laboratories where exercise testing and evaluation take place. Undergraduate and graduate students experience these laboratories and also have the opportunity to work in the new, state-of-the-art University Recreation Center. Most of the academic work and laboratory experiences at ESU are taught in the Human Performance, Kinesiology, Applied Exercise Physiology and Biomechanics Laboratories.

**Laboratories**

**Human Performance Laboratory**
Students experience physiological equipment for testing athletes and patients alike within the Human Performance Laboratory. It is well equipped with treadmills, cycle ergometers, blood and gas analyzers, body composition instruments, electrocardiographs, spirometers, pulse oximeters and stress test systems.

**Biomechanics Laboratory**
Students experience equipment relating to the mechanics of human movement within the Biomechanics Laboratory. This laboratory contains infrared timing devices, video cameras, force-platforms, two- and three-dimensional motion analysis systems, and electromyography systems.

Research

Student-led research is very important to the Department of Exercise Science at ESU. Both undergraduate and graduate students are supported by the faculty in their endeavors to produce research theses and dissertations. Many of these research projects are presented at regional and national meetings, as well as published in peer-reviewed journals. Information about many of the undergraduate dissertations and master's theses that have been produced by Exercise Science students is available online at www.esu.edu/exsc. A list of published research and professional presentations involving members of the Exercise Science faculty follows the dissertation and theses information.

Student Organizations

The Exercise Science Club was established for undergraduate Exercise Science majors. The purpose of the club is to expand the student’s knowledge of current exercise-related topics, to enhance the awareness of future career options, and to collaborate as a group participating in activities to develop personal and social leadership skills. The club meets every two weeks. At the meetings, upcoming events are discussed such as conferences and campus activities. Certifications relative to Exercise Science that are being offered at ESU are also discussed and members are notified of any job offerings either on campus or close by that would allow them to gain experience in the field. Each year the Exercise Science Club will:

- Participate in the 5k run hosted by the Department of Exercise Science
- Participate and raise money for the March of Dimes
- Help with Fitness Assessment Day at the ESU Recreation Center
- Have representatives from different companies come in to discuss their careers individually
- Attend the Exercise Science Career Fair on campus
- Plan events as a club (canoeing, skiing, snow tubing, hiking, etc.)
- Attend the MARC-ACSM conference
- Host CPR certification (if required)
- Participate in the certifications for group fitness or personal training offered at the ESU Recreation Center through accredited associations.

**Exercise Science B.S.**

**Concentration: Exercise Physiology**

**Career Opportunities:**

Upon successful completion, this concentration affords the student the opportunity to pursue a variety of other educational and employment opportunities within and even outside of the traditional Exercise Science curriculum.

Therefore, the Exercise Physiology concentration serves as a preparatory degree for further graduate study by providing the opportunity to complete many of the prerequisites for graduate study.

**PROGRAM FEATURES:**

*59 Credits*

**Required Exercise Science courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 100</td>
<td>Introduction to Exercise Science</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 202</td>
<td>Kinesiology - Applied Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 203</td>
<td>Kinesiology - Mechanical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 310</td>
<td>Exercise Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 311</td>
<td>Exercise Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 322</td>
<td>Strength and Conditioning Theory</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 330</td>
<td>Health-Related Fitness Assessment and Exercise Programming</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 402</td>
<td>Psychology of Sport and Exercise</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 410</td>
<td>Organization and Administration of Exercise and Wellness Programs</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 431</td>
<td>Analysis of Performance Skills</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 441</td>
<td>Environmental Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 445</td>
<td>Seminar in Adult Fitness Programs</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 447</td>
<td>Sports Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 451</td>
<td>Aerobic Fitness Workshop</td>
<td>2</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 454</td>
<td>Anaerobic Training Workshop</td>
<td>2</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 452</td>
<td>Exercises and Weight Control Workshop</td>
<td>2</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 453</td>
<td>Clinical Exercise Physiology Workshop</td>
<td>2</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 455</td>
<td>Certified Exercise Physiologist (CEP) Workshop</td>
<td>1</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 456</td>
<td>Certified Strength and Conditioning Specialist Workshop</td>
<td>1</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 461</td>
<td>Experimental Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 462</td>
<td>Seminar in Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 485</td>
<td>IS: Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 486</td>
<td>Field Experience and Internships</td>
<td>1 - 6</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 120</td>
<td>Physical Conditioning</td>
<td>1</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 122</td>
<td>Strength Training</td>
<td>1</td>
</tr>
</tbody>
</table>

**Required Co-requisite Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 230</td>
<td>Prevention and Management of Sport and Fitness Injuries</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 116</td>
<td>GE: Human Anatomy and Physiology I for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>Human Anatomy and Physiology I Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 118</td>
<td>GE: Human Anatomy and Physiology II for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 119</td>
<td>Human Anatomy and Physiology II Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>GN: Chemical Basis of Matter</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Minimum standards:
- Minimum overall GPA = 2.50.
- "C" or above in all 400-level Exercise Science course work.

Additional requirements:
- Please see the university requirements in the Undergraduate Catalog.

**4 YEAR CURRICULUM PROGRAM PLAN- TRADITIONAL 4-YEAR PROGRAM**

*(Subject to change by the university without notice)*

**Freshman Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 100</td>
<td>Introduction to Exercise Science</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 120</td>
<td>Physical Conditioning</td>
<td>1</td>
</tr>
<tr>
<td>EXSC 202</td>
<td>Kinesiology - Applied Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 13</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 203</td>
<td>Kinesiology - Mechanical Analysis</td>
<td></td>
</tr>
<tr>
<td>BIOL 118</td>
<td>GE: Human Anatomy and Physiology II for the Health Sciences</td>
<td></td>
</tr>
<tr>
<td>BIOL 119</td>
<td>Human Anatomy and Physiology II Laboratory for the Health Sciences</td>
<td></td>
</tr>
<tr>
<td>CPSC 100</td>
<td>GN: Personal Computers and Their Uses</td>
<td></td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td></td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education elective</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 122</td>
<td>Strength Training</td>
</tr>
<tr>
<td>BIOL 116</td>
<td>GE: Human Anatomy and Physiology I for the Health Sciences</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>Human Anatomy and Physiology I Laboratory for the Health Sciences</td>
</tr>
<tr>
<td>EXSC 310</td>
<td>Exercise Physiology I</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education elective</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education elective</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 17</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 311</td>
<td>Exercise Physiology II</td>
</tr>
<tr>
<td>EXSC 322</td>
<td>Strength and Conditioning Theory</td>
</tr>
<tr>
<td>ATEP 230</td>
<td>Prevention and Management of Sport and Fitness Injuries</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
</tr>
<tr>
<td>CHEM 115</td>
<td>GN: Chemistry, Molecules and Life</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 330</td>
<td>Health-Related Fitness Assessment and Exercise Programming</td>
</tr>
<tr>
<td>EXSC 451</td>
<td>Aerobic Fitness Workshop</td>
</tr>
<tr>
<td>EXSC 453</td>
<td>Reducing Coronary Heart Disease Workshop</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education elective</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 13</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 447</td>
<td>Sports Nutrition</td>
</tr>
<tr>
<td>EXSC 441</td>
<td>Environmental Exercise Physiology</td>
</tr>
<tr>
<td>EXSC 452</td>
<td>Exercises and Weight Control Workshop</td>
</tr>
<tr>
<td>EXSC 454</td>
<td>Anaerobic Training Workshop</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 16</td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 402</td>
<td>Psychology of Sport and Exercise</td>
</tr>
<tr>
<td>EXSC 431</td>
<td>Analysis of Performance Skills</td>
</tr>
<tr>
<td>EXSC 461</td>
<td>Experimental Exercise Physiology</td>
</tr>
<tr>
<td>EXSC 445</td>
<td>Seminar in Adult Fitness Programs</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 410</td>
<td>Organization and Administration of Exercise and Wellness Programs</td>
</tr>
<tr>
<td>EXSC 462</td>
<td>Seminar in Exercise Physiology</td>
</tr>
<tr>
<td>EXSC 455</td>
<td>Certified Exercise Physiologist (CEP) Workshop</td>
</tr>
<tr>
<td>EXSC 456</td>
<td>Certified Strength and Conditioning Specialist Workshop</td>
</tr>
<tr>
<td>EXSC 485</td>
<td>IS: Independent Study</td>
</tr>
<tr>
<td>EXSC 486</td>
<td>Field Experience and Internships</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 3</td>
<td></td>
</tr>
</tbody>
</table>

**Summer**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 9</td>
<td></td>
</tr>
</tbody>
</table>

**Year 2**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 116</td>
<td>GE: Human Anatomy and Physiology I for the Health Sciences</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>Human Anatomy and Physiology I Laboratory for the Health Sciences</td>
</tr>
<tr>
<td>EXSC 310</td>
<td>Exercise Physiology I</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>GN: Chemical Basis of Matter</td>
</tr>
<tr>
<td>ATEP 230</td>
<td>Prevention and Management of Sport and Fitness Injuries</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
<tr>
<td>EXSC 410</td>
<td>Organization and Administration of Exercise and Wellness Programs</td>
</tr>
<tr>
<td>EXSC 456</td>
<td>Certified Strength and Conditioning Specialist Workshop</td>
</tr>
<tr>
<td><strong>ACCELERATED 3-YEAR PROGRAM PLAN</strong></td>
<td></td>
</tr>
</tbody>
</table>

(Subject to change by the university without notice)

**Year 1**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 100</td>
<td>Introduction to Exercise Science</td>
</tr>
<tr>
<td>EXSC 202</td>
<td>Kinesiology - Applied Anatomy</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 3</td>
<td></td>
</tr>
</tbody>
</table>

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 301</td>
<td>Exercise Physiology II</td>
</tr>
<tr>
<td>EXSC 322</td>
<td>Strength and Conditioning Theory</td>
</tr>
<tr>
<td>ATEP 230</td>
<td>Prevention and Management of Sport and Fitness Injuries</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
</tr>
<tr>
<td>CHEM 115</td>
<td>GN: Chemistry, Molecules and Life</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 447</td>
<td>Sports Nutrition</td>
</tr>
<tr>
<td>EXSC 441</td>
<td>Environmental Exercise Physiology</td>
</tr>
<tr>
<td>EXSC 452</td>
<td>Exercises and Weight Control Workshop</td>
</tr>
<tr>
<td>EXSC 454</td>
<td>Anaerobic Training Workshop</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 16</td>
<td></td>
</tr>
</tbody>
</table>

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 116</td>
<td>GE: Human Anatomy and Physiology I for the Health Sciences</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>Human Anatomy and Physiology I Laboratory for the Health Sciences</td>
</tr>
<tr>
<td>CPSC 100</td>
<td>GN: Personal Computers and Their Uses</td>
</tr>
<tr>
<td>EXSC 122</td>
<td>Strength Training</td>
</tr>
<tr>
<td>EXSC 120</td>
<td>Physical Conditioning</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 410</td>
<td>Organization and Administration of Exercise and Wellness Programs</td>
</tr>
<tr>
<td>EXSC 456</td>
<td>Certified Strength and Conditioning Specialist Workshop</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 410</td>
<td>Organization and Administration of Exercise and Wellness Programs</td>
</tr>
<tr>
<td>EXSC 456</td>
<td>Certified Strength and Conditioning Specialist Workshop</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 410</td>
<td>Organization and Administration of Exercise and Wellness Programs</td>
</tr>
<tr>
<td>EXSC 456</td>
<td>Certified Strength and Conditioning Specialist Workshop</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 410</td>
<td>Organization and Administration of Exercise and Wellness Programs</td>
</tr>
<tr>
<td>EXSC 456</td>
<td>Certified Strength and Conditioning Specialist Workshop</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 410</td>
<td>Organization and Administration of Exercise and Wellness Programs</td>
</tr>
<tr>
<td>EXSC 456</td>
<td>Certified Strength and Conditioning Specialist Workshop</td>
</tr>
<tr>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>
Commercial health and fitness facility, a non-profit facility (i.e., YMCA), or in among the commercial or public sectors. Employment may take place in a hospital-based program and/or facility.

Opportunity to gain employment in the broad health and fitness field

Upon successful completion, this concentration affords the student the

Career Opportunities:

Required Exercise Science courses:

Program Features:

60 credits

Required Co-requisite courses:

Minimum standards:

Additional requirements:

4 Year Curriculum Program Plan- Traditional 4-Year Program

(subject to change by the university without notice)

Freshman Year Fall

Spring

EXSC 202  Kinesiology - Applied Anatomy 3
BIOL 118 GE: Human Anatomy and Physiology II for the Health Sciences 3
BIOL 119 Human Anatomy and Physiology II Laboratory for the Health Sciences 1
CPSC 100 GN: Personal Computers and Their Uses 3
GenEd ___ General Education elective 3
GenEd ___ General Education elective 3

Subtotal: 16

Sophomore Year Fall
EXSC 122 Strength Training 1
EXSC 203 Kinesiology - Mechanical Analysis 3
EXSC 310 Exercise Physiology I 3
BIOL 116 GE: Human Anatomy and Physiology I for the Health Sciences 3
BIOL 117 Human Anatomy and Physiology I Laboratory for the Health Sciences 1
GenEd ___ General Education elective 3
GenEd ___ General Education elective 3

Subtotal: 17

Junior Year Fall
EXSC 121 Aerobic Fitness Activities 1
EXSC 330 Health-Related Fitness Assessment and Exercise Programming 3
EXSC 342 Power Training for Sport Performance 1
EXSC 451 Aerobic Fitness Workshop 2
EXSC 453 Reducing Coronary Heart Disease Workshop 2
EXSC 230 Personal Training Workshop 1
GenEd ___ General Education elective 3
GenEd ___ General Education elective 3

Subtotal: 15

Spring
EXSC 447 Sports Nutrition 3
EXSC 452 Exercises and Weight Control Workshop 2
EXSC 454 Anaerobic Training Workshop 2
GenEd ___ General Education elective 3
GenEd ___ General Education elective 3
XXX ___ Elective 3

Subtotal: 16

Senior Year Fall
EXSC 402 Psychology of Sport and Exercise 3
EXSC 431 Analysis of Performance Skills 3
EXSC 410 Organization and Administration of Exercise and Wellness Programs 3
XXX ___ Elective 3
XXX ___ Elective 3

Subtotal: 15

Spring
EXSC 445 Seminar in Adult Fitness Programs 3
EXSC 455 Certified Exercise Physiologist (CEP) Workshop 1
EXSC 456 Certified Strength and Conditioning Specialist Workshop 1
EXSC 486 Field Experience and Internships 1 - 6
EXSC 491 Philosophy of Performance Training & Coaching 3
GenEd General Education elective 3

Subtotal: 12

ACCELERATED 3-YEAR PROGRAM PLAN
(Subject to change by the university without notice)

Year 1
Fall
EXSC 100 Introduction to Exercise Science 3
EXSC 202 Kinesiology - Applied Anatomy 3
ENGL 103 English Composition 3
FYE 100 University Studies 3
HPLW 105 Health Promotion and Lifetime Wellness 3

Subtotal: 15

Winter
GenEd ___ General Education Elective 3

Subtotal: 3

Spring
EXSC 203 Kinesiology - Mechanical Analysis 3
BIOL 118 GE: Human Anatomy and Physiology II for the Health Sciences 3
BIOL 119 Human Anatomy and Physiology II Laboratory for the Health Sciences 1
CPSC 100 GN: Personal Computers and Their Uses 3
EXSC 122 Strength Training 1
EXSC 120 Physical Conditioning 1
GenEd ___ General Education Elective 3

Subtotal: 15

Summer
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3

Subtotal: 9

Year 2
Fall
BIOL 116 GE: Human Anatomy and Physiology I for the Health Sciences 3
BIOL 117 Human Anatomy and Physiology I Laboratory for the Health Sciences 1
EXSC 310 Exercise Physiology I 3
EXSC 342 Power Training for Sport Performance 1
ATEP 230 Prevention and Management of Sport and Fitness Injuries 3
EXSC 121 Aerobic Fitness Activities 1
GenEd ___ General Education Elective 3

Subtotal: 15

Winter
GenEd ___ General Education Elective 3

Subtotal: 3

Spring
EXSC 230 Personal Training Workshop 1
EXSC 322 Strength and Conditioning Theory 3
EXSC 447 Sports Nutrition 3
EXSC 330 Health-Related Fitness Assessment and Exercise Programming 3
### Exercise Science B.S.

**Concentration: Pre-Professional Therapeutic Sciences**

**Career Opportunities:**
Upon successful completion, this concentration affords the student the opportunity to advance their study in professional education for DPT, OT or PA.

**PROGRAM FEATURES**
59 Credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 454</td>
<td>Anaerobic Training Workshop</td>
<td>2</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Summer**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 9**

**Year 3**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EXSC 402</td>
<td>Psychology of Sport and Exercise</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EXSC 431</td>
<td>Analysis of Performance Skills</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EXSC 445</td>
<td>Seminar in Adult Fitness Programs</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EXSC 451</td>
<td>Aerobic Fitness Workshop</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>EXSC 453</td>
<td>Reducing Coronary Heart Disease Workshop</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>XXXX</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 16**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EXSC 457</td>
<td>Directed General Education:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENGL 203</td>
<td>GN: Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHYS 131</td>
<td>GN: Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SOC 111</td>
<td>GN: Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SOC 102</td>
<td>GN: Introduction to Cultural Diversity</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Co-requisite courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 116</td>
<td>GE: Human Anatomy and Physiology I for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>Human Anatomy and Physiology I Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 118</td>
<td>GE: Human Anatomy and Physiology II for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 119</td>
<td>Human Anatomy and Physiology II Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 230</td>
<td>Prevention and Management of Sport and Fitness Injuries</td>
<td>3</td>
</tr>
</tbody>
</table>

**Free electives to total 120 credits**

**Minimum standards:**
- Minimum overall GPA = 2.50;
- “C” or above in all 400-level Exercise Science course work.

**Additional requirements:**
- Please see the university requirements in the Undergraduate Catalog.

---

**4 YEAR CURRICULUM PROGRAM PLAN**

*(Subject to change by the university without notice)*

**Freshman Year Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 116</td>
<td>GE: Human Anatomy and Physiology I for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>Human Anatomy and Physiology I Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>EXSC 120</td>
<td>Physical Conditioning</td>
<td>1</td>
</tr>
<tr>
<td>EXSC 202</td>
<td>Kinesiology - Applied Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 14**

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 118</td>
<td>GE: Human Anatomy and Physiology II for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 119</td>
<td>Human Anatomy and Physiology II Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>EXSC 203</td>
<td>Kinesiology - Mechanical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CPSC 100</td>
<td>GN: Personal Computers and Their Uses</td>
<td>3</td>
</tr>
<tr>
<td>SOC 111</td>
<td>GN: Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 16**

---

For more information, contact the department at 570-422-3302 or visit www.esu.edu/exsc.
### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 122</td>
<td>Strength Training</td>
<td>1</td>
</tr>
<tr>
<td>EXSC 310</td>
<td>Exercise Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 203</td>
<td>GN: Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 14**

### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 311</td>
<td>Exercise Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 322</td>
<td>Strength and Conditioning Theory</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 230</td>
<td>Prevention and Management of Sport and Fitness Injuries</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

### Junior Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 286</td>
<td>Early Internship</td>
<td>1-3</td>
</tr>
<tr>
<td>EXSC 330</td>
<td>Health-Related Fitness Assessment and Exercise Programming</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 131</td>
<td>GN: Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 17**

### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 411</td>
<td>Motor Learning &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 447</td>
<td>Sports Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 470</td>
<td>Introduction to Research Methods in Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

### Senior Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 402</td>
<td>Psychology of Sport and Exercise</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 430</td>
<td>Exercise Prescription for Populations with Special Needs</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 453</td>
<td>Reducing Coronary Heart Disease Workshop</td>
<td>2</td>
</tr>
<tr>
<td>EXSC 480</td>
<td>Seminar in Therapeutic Sciences</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 14**

EXSC 300: (approved by adviser)

### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 445</td>
<td>Seminar in Adult Fitness Programs</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 452</td>
<td>Exercises and Weight Control Workshop</td>
<td>2</td>
</tr>
<tr>
<td>EXSC 486</td>
<td>Field Experience and Internships</td>
<td>1-6</td>
</tr>
<tr>
<td>XXXX</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

EXSC 300: (approved by adviser)

For more information, contact the department at 570-422-3302 or visit www.esu.edu/exsc.

---

### Nutrition Certificate

The Nutrition Certificate is an interdisciplinary program that will emphasize evidence-based nutritional guidelines for health and sport. This will provide undergraduate students the opportunity to explore nutrition as it relates to healthy populations, obesity, disordered eating, and sport performance. Undergraduate students may add this certificate at any point in their curriculum. This certificate is available to students of any major or department on campus.

Objectives of the Nutrition Certificate:
- Students will understand the fundamentals of basic nutrition and food systems.
- Students will understand the role of nutrition in health, well-being, disease prevention, and sport performance.
- Students will demonstrate the ability to research and communicate evidence-based nutrition information.
- Students will understand the importance of integrating nutritional principles into their disciplines across a variety of professions.

### PROGRAM FEATURES

14 credits

**Required Courses**

- HLTH 340 Nutrition: Concepts and Controversies 3
- HLTH 410 Life Cycle Nutrition 3
- EXSC 447 Sports Nutrition 3
- EXSC 452 Exercises and Weight Control Workshop 2
- EXSC 496 Sport Nutrition Practicum 3
- OR
- HLTH 450 Public Health Nutrition 3

### Sport Performance Coaching Certificate

21 Credits

**Required Courses**

- EXSC 310 Exercise Physiology I 3
- EXSC 447 Sports Nutrition 3
- EXSC 495 Sport Performance Coaching Practicum 3
- EXSC 491 Philosophy of Performance Training & Coaching 3
- EXSC 492 Principles of Performance Enhancement for Performance Coaching 3
- OR
- EXSC 322 Strength and Conditioning Theory 3
- EXSC 493 Therapeutic and Physiological Foundations for the Coach 3
- EXSC 494 Seminar in Sport Performance Coaching 3

---

### Exercise Science Faculty

**Professors:**
- Shala Davis, Chair (sdavis@esu.edu)
- Donald Cummings (dcummings@esu.edu)
- Gregory Dwyer (gdwyer@esu.edu)
- Gavin Moir (gmoir@esu.edu)
- Shawn Munford (smunford@esu.edu)
- Chad Witmer (cwitmer@esu.edu)

**Associate Professors:**
- Matthew Miltenerberger (mmiltenber@esu.edu)

**Instructor:**
- Brandon Snyder (bsnyder@esu.edu)

---

### EXSC - Exercise Science Courses

**EXSC 100 - Introduction to Exercise Science (3 credits)**

This course will cover the history and development of the field of Exercise Science. Professional opportunities and the role of credentialing will be presented. Appropriate literature will be introduced.
EXSC 105 - Health Promotion & Lifetime Wellness (3 credits)
This course explores the behaviors in which college students should engage to reduce their risk of acute and chronic diseases and premature death. An emphasis on positively enhancing the dimensions of health and wellness as a resource for college students to meet their short- and long-term goals is emphasized. By focusing on determinants of health as associated to the college student, individual, social, and physical behaviors and conditions will be explored through lecture, self-evaluative experiences, personal fitness and physical activity assessments, experiences, and behavior change principles.
Distribution: Wellness (H).

EXSC 120 - Physical Conditioning (1 credit)
This course provides for development of programs of exercise and activity and individual assessment of status, needs, and goals and is designed to enable each individual to determine realistic goals for his/her development and the use of activity throughout his/her life.

EXSC 121 - Aerobic Fitness Activities (1 credits)
This course is designed to introduce the student to the various aerobic fitness activities for adult populations. Techniques of fitness assessment, aerobic dance, jogging and aquaerobics activities will be emphasized.

EXSC 122 - Strength Training (1 credit)
This course is designed to give the student a broad background in the area of strength training. Various strength training programs, techniques, and trends will be examined. Students will have the opportunity to set up and become involved in various strength-training methods.
Prerequisite: EXSC120.

EXSC 150 - Introduction to Health Coaching (1 credit)
This course is designed to prepare students to serve as a professional health coach. Topics covered in this course include scope of practice, code of ethics, skills to facilitate client behavior change, basics of wellness visions, and the design of effective coaching programs.

EXSC 202 - Kinesiology - Applied Anatomy (3 credits)
Upon completion of this course, a student should be able to identify the structural characteristics, movements, and muscles acting as the major joints of the body. The student will be able to select movements or exercises which utilize specific muscle groups and analyze the joint actions, muscle actions, and mechanical principles which apply to the performance of a specific movement.

EXSC 203 - Kinesiology - Mechanical Analysis (3 credits)
This course is designed to enhance the student's understanding of the fundamental laws of physics as they apply to human motion. Emphasis is placed on sport and activity skill analysis utilizing contemporary technology. The student is prepared to identify and discuss the various phases of motion and explain the mechanical significance of each in producing the desired outcome.
Distribution: Advanced (ADV). Prerequisite: One of EXSC 100, PETE 100, or ATEP 100; and either EXSC 202/ATEP 202 or BIOL 116 and BIOL 117.

EXSC 230 - Personal Training Workshop (1 credit)
This workshop will provide structured experiences through instruction in the specific theoretical and practical concepts of personal training as they relate to competencies established by the National Strength and Conditioning Association and the American College of Sports Medicine. The workshop is designed to assist the student in preparation for either the NSCA Certified Personal Trainer exam or the ACSM Certified Personal Trainer exam.
Prerequisite: EXSC202 OR EXSC203.

EXSC 286 - Early Internship (1 - 3 credits)
This experience enables a student to explore the role of a professional in a sport fitness or rehabilitation setting under the close supervision of a work-site supervisor.

EXSC 302 - Psychosocial Aspects of Activity (3 credits)
This course analyzes movement activities as psychosocial phenomena, including consideration of the symbolic and cultural nature of movement forms within a framework of human personality, motivation, and social values and organization.
Distribution: Advanced.

EXSC 310 - Exercise Physiology I (3 credits)
This course studies human responses and adaptations to exercise of varying levels of stress and intensity. Concepts relating to neuromuscular, metabolic, circulatory, and respiratory physiology are treated in both lecture and laboratory experiences which include both theoretical and practical applications to exercise and training principles. Developmental considerations will be addressed as well as health-related physical fitness.
Distribution: Advanced.

EXSC 311 - Exercise Physiology II (3 credits)
This course provides advanced applied biological treatment of adaptations necessary to sustain and/or develop exercise tolerance. Included in this course are principles and findings related to energy metabolism. Laboratory experiences illustrate theoretical material. This course is required for all Exercise Science majors.
Distribution: Information Literacy/Technology (IT) | Advanced.

EXSC 322 - Strength and Conditioning Theory (3 credits)
This course is designed to provide the student with an understanding of basic conditioning principles and how to apply them to various groups or individuals.
Distribution: Advanced. Prerequisite: EXSC100 AND EXSC310.

EXSC 330 - Health-Related Fitness Assessment and Exercise Programming (3 credits)
This course provides experience in health-related physical fitness assessment and exercise programming for varied populations. The students will complete health-related physical fitness assessments and exercise programming under the direct supervision of the Exercise Science faculty. All students are required to have or obtain CPR certification and Professional Liability Insurance.
Distribution: Advanced. Prerequisite: EXSC 310 and 311.

EXSC 342 - Power Training for Sport Performance (1 credit)
This course is designed to meet specific competencies needed for students interested in pursuing certification as a strength and conditioning specialist. This course will provide the student with the abilities to employ effective power training methods for optimal sport-specific athletic performance. Training methods that develop speed and power will be emphasized, such as plyometrics, medicine ball training and Olympic Weightlifting.
Distribution: Advanced. Prerequisite: EXSC122 AND EXSC202 OR EXSC203.

EXSC 402 - Psychology of Sport and Exercise (3 credits)
This course provides a broad overview for understanding the behavior of individuals in sport and exercise and focuses specific attention on the major sport and exercise concerns related to a psychological perspective. Content areas include personality and motivation factors, performance in groups, enhancing sport performance, and the psychological effects of participation in sport and exercise.
Distribution: Advanced. Prerequisite: SMGT201 AND SMGT302 OR SMGT203.
EXSC 410 - Organization and Administration of Exercise and Wellness Programs (3 credits)
This course presents an overview of organizational and administrative issues relative to the planning, design, and management of health and wellness programs. Opportunities will be provided to observe and evaluate current wellness programs and facilities.
Distribution: Advanced. Prerequisite: EXSC310 AND EXSC311.

EXSC 411 - Motor Learning & Development (3 credits)
This course investigates the sequence of development of fundamental motor patterns and perceptual motor skills, factors influencing this development, assessment and evaluation, and methods and activities for developing these skills. Practicum experiences include independent and lab experiences.
Prerequisite: Advanced Standing.

EXSC 430 - Exercise Prescription for Populations with Special Needs (3 credits)
This course provides information on exercise prescription guidelines for individuals with a wide range of special circumstances (pregnancy, childhood, older adulthood, cardiovascular, metabolic, and immunological). Distinctive physiology, recommendations for exercise testing and programming, and effects of the condition on exercise response and training, is presented.
Distribution: Advanced. Prerequisite: EXSC 310, 330.

EXSC 431 - Analysis of Performance Skills (3 credits)
Upon completion of this course the student will be able to quantify and analyze human motions utilizing modern techniques of analysis including cinematography, still or sequence photography, video analysis, electrocardiography, and other selected laboratory and field techniques.
Distribution: Advanced.

EXSC 441 - Environmental Exercise Physiology (3 credits)
This course includes the study of the physiological responses of the human body to maximal and submaximal exercise in various environmental conditions including heat, cold, varying humidity, air pollution, altitude (hypobaria), and hyperbaria. Focus will be on the general and specific mechanisms of adjustment of circulation, respiration, fluid regulation, and metabolism. Both theoretical and laboratory experiences will be provided.
Distribution: Advanced.

EXSC 445 - Seminar in Adult Fitness Programs (3 credits)
This course is designed to provide a cohesive overview of the entire field of adult fitness. The scientific basis of physiological changes in the adult population with their implications in recommending exercise and associated behavior modification are emphasized. Development, organization, and administration of adult fitness programs in varying environments are explored along with possible on-site visits.
Distribution: Level III Writing (W3) Advanced. Prerequisite: EXSC310 AND EXSC311.

EXSC 447 - Sports Nutrition (3 credits)
This course is designed for students in exercise science or other students with an interest in the role of nutrition in supplying energy for various forms of physical activity. Topics include: physiological role of macronutrients in aerobic and anaerobic energy supply, micronutrients, fluid intake, commercial supplements, body composition, and disordered eating problems of athletes.
Distribution: Advanced. Prerequisite: EXSC100 AND EXSC310.

450 - Seminar in Health Coaching (2 credits)
This course is designed to provide a comprehensive overview of Health Coaching. The course will reinforce the components of coaching and examine special considerations relevant for the health coach, including working with special populations, professionalism, and occupational acumen as related to core competencies established by the American Council on Exercise. Opportunities will be provided for application to real-world examples. The course is designed to assist the student in preparation for the National commission for Certifying Agencies (NCCA) ACE Health Coach Certification.
Prerequisite: EXSC150 and EXSC331 or HLTH331.

EXSC 451 - Aerobic Fitness Workshop (2 credits)
This workshop provides a theoretical and practical framework for measurement and evaluation of aerobic fitness across the lifespan. Field tests that can be administered by exercise professionals are practiced, analyzed, discussed, and validated by laboratory demonstration and participation. Concepts and application of aerobic fitness principles are viewed in light of present day and future needs.
Distribution: Advanced. Prerequisite: EXSC100 AND EXSC310.

EXSC 452 - Exercises and Weight Control Workshop (2 credits)
This workshop will focus on the role of exercise in regard to its positive influences on weight control. The hazards and implications of being overweight will be studied. Techniques for evaluating energy balance and planning for weight loss programs are discussed in light of established scientific principles and procedures. Exercise along with its dietary counterpart are analyzed to determine their relative importance in the weight loss regime. Facts and fallacies are discussed, and opportunities for self-evaluation of leanness and fitness provide practical as well as theoretical experience.
Distribution: Advanced. Prerequisite: EXSC100 AND EXSC310.

EXSC 453 - Clinical Exercise Physiology Workshop (2 credits)
This course examines exercise as a means of evaluation, prescription, and diagnosis of the major threat to health in the United States today — heart disease. Recent studies with their findings and implications will be viewed. The scientific basis for recommended exercise and associated behavior will provide information with regard to children and adults of both sexes on reducing heart disease risk. Rehabilitative exercise programs for heart victims will focus on accepted training principles and the necessity for changing life styles. Prevention rather than treatment for heart disease will be stressed.
Distribution: Advanced. Prerequisite: EXSC100 AND EXSC310.

EXSC 454 - Anaerobic Training Workshop (2 credits)
This workshop provides a theoretical and practical framework for measurement and evaluation of anaerobic conditioning, flexibility, strength training, and plyometrics. Field and laboratory tests that can be administered by athletic coaches, teachers, and fitness professionals are practiced, analyzed, and discussed.
Distribution: Advanced. Prerequisite: EXSC310 AND EXSC322.

EXSC 455 - Certified Exercise Physiologist (CEP) Workshop (1 credit)
The Certified Exercise Physiologist Workshop will provide structured experiences in the classroom, laboratory and exercise arenas to improve the knowledge, skills and abilities in health-related physical fitness assessment and exercise programming. This course will supplement existing coursework by correcting any deficiencies in learning competencies towards being a successful exercise professional. A review of certification materials is also an important component of the course.
Distribution: Advanced.

EXSC 456 - Certified Strength and Conditioning Specialist Workshop (1 credit)
This workshop will provide structured experiences through instruction in the specific theoretical and practical concepts of strength and conditioning as they relate to the National Strength and Conditioning Association certification requirements. Upon completion of the workshop
the student will be eligible to take the Certified Strength and Conditioning Specialist exam offered through the NSCA.
Distribution: Advanced. Prerequisite: EXSC 310 AND EXSC 322.

**EXSC 457 - Physical Activity As Medicine Workshop (2 credits)**
Students will learn to use Physical Activity as a medical modality for improved health and wellness in various chronic “hypokinetic” diseases. This workshop is based upon the Exercise is Medicine program from the American College of Sports Medicine that attempts to increase the physical activity of all by using various biobehavioral strategies. The workshop will focus on strategies for increasing physical activity of those individuals with chronic “hypokinetic” diseases including diabetes, pulmonary disease and heart disease. Finally, the tool of health coaching will be explored.
Distribution: Advanced. Prerequisite: EXSC 100 AND EXSC 310.

**EXSC 461 - Experimental Exercise Physiology (3 credits)**
This course will address various physiological conditions which impact physical performances. Experimental design and data collection techniques commonly used in Exercise Science literature will be addressed. Mini-experiments (sleep deprivation, carbohydrate ingestion, oxygen supplementation, caffeine ingestions, etc.) will be utilized to demonstrate various physiological responses in the exercise arena.
Distribution: Advanced.

**EXSC 462 - Seminar in Exercise Physiology (3 credits)**
This seminar is designed to focus on the study and discussion of recent experimental and descriptive work in exercise science. Emphasis is placed on student’s oral presentations with class interactions. Critical thinking and evaluation of research literature is included. Concepts and issues raised by students are reviewed and further discussed with leadership of the instructor. Integration of previous exercise science course material as well as recent issues are the objectives of this course.
Distribution: Advanced. Prerequisite: EXSC 310 AND EXSC 311.

**EXSC 470 - Introduction to Research Methods in Health Sciences (3 credits)**
This course will provide an opportunity for students to advance their understanding of research through critical exploration of research language, ethics, and techniques. The course introduces the language of research, ethical principles and challenges, and the elements of the research process within quantitative, qualitative, and mixed methods approaches.
Distribution: Advanced. Prerequisite: EXSC 100 and EXSC 310.

**EXSC 480 - Seminar in Therapeutic Sciences (3 credits)**
This course will introduce students to different topics within the Therapeutic Sciences through the use of peer-reviewed research articles and presentations/demonstrations by licensed professionals in the field. The topics covered in the course will include both traditional and emerging issues pertinent to the Therapeutic Sciences.
Distribution: Advanced. Prerequisite: EXSC 202 and EXSC 310.

**EXSC 485 - Independent Study (3 credits)**
This course deals with independent research and study under the direction of a faculty member and is designed to deepen the student’s interest in a particular area of an academic field. The directing faculty member will be available exclusively to the student for a minimum of five hours per credit. Approval for enrollment must be obtained from the faculty member and from the Department chair. Approval and granting of credit must be in accordance with procedures and standards established by departmental faculty. The student must present a study prospectus prior to approval.
Distribution: Advanced. Prerequisite: EXSC 100.

**EXSC 486 - Field Experience and Internships (1 - 6 credits)**
This course is designed to provide the student with an opportunity to apply the skills and knowledge accrued during their formal Exercise Science education in an environment that requires the sustained use of professional practices. The student will work under direct professional supervision.
Distribution: Advanced. Prerequisite: EXSC 310 AND EXSC 322.

**EXSC 491 - Philosophy of Performance Training & Coaching (3 credits)**
This course is designed to highlight the essential administrative roles of the athletic performance coach. The focus of this course will include the following: theories related to performance training and coaching, effective communication skills, implementation of various strategies for teaching skills, and recognizing ethical behavior related to multiple situations related to sport.
Distribution: Advanced. Prerequisite: EXSC 202, EXSC 310.

**EXSC 492 - Principles of Performance Enhancement for Performance Coaching (3 credits)**
This course is designed to provide the performance coach with principles related to enhancing athletic performance through scientific methodologies. The focus of this class will include the following: physiology of exercise specifically metabolic pathways for energy, classification of sport and exercises by metabolic pathways, concepts to improve speed, agility, power, strength, endurance, and flexibility, periodization planning for sport specific training, valid and reliable testing procedures for evaluating performance, and practical techniques for sport training.
Distribution: Advanced. Prerequisite: EXSC 202, EXSC 310.

**EXSC 493 - Therapeutic and Physiological Foundations for the Coach (3 credits)**
This course is designed to reinforce basic anatomical and physiological principles related to athletic performance. The focus of this class will include: structural kinesiology specifically function of muscles, bones, and joints of the human body in relation to sport performance, development and growth of athletes across the lifespan, biomechanical analysis of sport in relation to performance and injury prevention, and evaluation and treatment techniques for common injuries associated with sport.
Distribution: Advanced. Prerequisite: EXSC 202, EXSC 310.

**EXSC 494 - Seminar in Sport Performance Coaching (3 credits)**
This course is designed to explore current topics in performance coaching and serves as a research based class to allow students to discover acts of best practice and use an evidence based approach (current research, student’s skill, athlete capabilities) to deliver the most effective outcomes related to performance enhancement. This class will be student driven with discussions and related research presentations on current topics within the field of sport performance coaching.
Distribution: Advanced. Prerequisite: EXSC 202, EXSC 310.

**EXSC 495 - Sport Performance Coaching Practicum (3 credits)**
This course is designed to provide students with a practical performance coaching experience, and some basic coaching theoretical foundations in the sport of their choice. The student will be afforded the opportunity to explore specific performance tactics related to contest and practice management, and develop specific practice strategies to develop sports performance related skills.
Prerequisite: EXSC 491 and EXSC 492.

**EXSC 496 - Sport Nutrition Practicum (3 credits)**
This course is designed to provide students with a practical sports nutrition experience in a variety of sports fields. Students will be afforded the opportunity to provide evidence-based educational sessions to sports teams regarding supplements, hydration, and nutrition before, during and
Distribution: Advanced. Prerequisite: EXSC 447 and EXSC 452.

**First Year Experience**

**About First Year Experience**
The First Year Experience course equips first year students to make an effective transition to university studies and campus life by providing a deeper understanding of the aims of higher education, its value to them, and the skills, habits, and practices to achieve those aims. This includes understanding the purpose of the undergraduate core, the major, and co-curricular work, as well as developing critical thinking skills, academic success attitudes, and significant connections with East Stroudsburg University and Community.

**FYE-course**

**FYE 100 - University Studies (3 credits)**
University Studies is designed to improve student success in college by providing an understanding of the purpose of higher education, and the academic skills, habits, and practices necessary to be successful. Students will develop the academic skills of: goal setting and time management; effective reading and studying; undergraduate research and analysis literacy; an understanding of critical thinking, intellectual diversity, and classroom expectations; and forging connections with the university and community resources.

**Fitness (FIT)**

**General Education Activity Courses**
The Movement Activities and Lifetime Fitness department has been discontinued. Some of these courses may be offered as needed.

**FIT - Movement Act & Lifetime Fitness Courses**

**FIT 103 - Fitness for Life (2 credits)**
This course will expose students to a wide variety of physical activities in conjunction with the components of fitness to promote fitness for a lifetime. Students will determine their present level of fitness through assessment. Students will design and implement a program based upon these assessments with the intention of improving their current level of fitness.

**FIT 109 - Contemporary Cardiovascular Conditioning (1 credits)**
This is a course that combines basic cardiovascular exercises from various facets of cardiovascular activities including, but not limited to, martial arts, boxing, and kickboxing moves to create a great workout. Military boot camp type exercises are also included along with various stretching techniques to not only enhance cardiovascular endurance, but strength and flexibility as well. This course is designed to give students the tools to develop and maintain a well-rounded workout program and is friendly to all ages and activity levels.

**FIT 110 - Aerobic Dance (1 credits)**
This course is designed to develop cardiorespiratory conditioning, muscle tone, improved posture, and other elements of fitness through a variety of dance and exercise movements performed to a musical accompaniment.

**FIT 111 - Personal Fitness I (1 credits)**
This course assists the student in developing a physical activity program based upon a wellness assessment of body composition, flexibility, strength, CHD risk factors, aerobic capacity, and diet. Students work with the instructor during the quarter to determine what prescriptive activities will compose their future program and how to implement those suggestions.

**FIT 112 - Pilates (1 credits)**
Pilates is a movement system that uses a series of floor exercises to increase strength, flexibility, stamina and concentration. The course includes Pilates mat work, relaxation techniques, and breathing techniques as a means of building strength, toning muscles, and unifying body and mind.

**FIT 113 - Self Defense (1 credits)**
This course is designed to give student exposure to all phases of self-defense. It includes: combative skills, counter moves, body attitudes, self-assertion, legal implications and psychological aspects of self-defense.

**FIT 114 - Weight Training (1 credits)**
The course provides students the opportunity to acquire a basic knowledge concerning weight training programs and their uses, to become familiar with a wide range of basic lifts and various self-testing procedures, and to develop an individualized weight-training program which will promote an optimal level of functional strength and endurance.

**FIT 115 - Tae Kwon Do I (1 credits)**
Students receive instruction in the basic skills of this martial art: sparring, kicking, punching, self-defense, and breathing techniques. The mental training elements such as patience, self-control, concentration, perseverance, and courtesy are an integral part of this course.

**FIT 116 - Aqua Fitness (1 credits)**
This course combines the benefits of cardiovascular/aerobic conditioning with resistance training in the water. Students will perform basic high and low intensity movements, along with abdominal/core toning and stretching exercises. Various water resistance equipment will be used during aerobic conditioning to increase the intensity level of the workout.

**FIT 119 - Elementary Yoga (1 credits)**
Yoga is a system of exercise that improves the health of the entire body and physiological functioning. The course includes asanas (postures), relaxation techniques, and breathing techniques as a means of unifying body and mind.

**FIT 123 - Volleyball I (1 credits)**
Students receive instruction in the basic fundamentals: overhand and underhand serve, overhand pass, underhand pass, spike and block. Basic offensive and defensive strategies and the rules of play governing the use of the basic skills are taught through single sex and co-ed teams of six, three, and two players.

**FIT 127 - Slow Pitch Softball (1 credits)**
This course provides for the development and use of softball skills in the slow pitch version of softball. The use of the basic skills of catching, fielding, throwing, pitching, and hitting will be emphasized, especially within the context of the playing of the game.

**FIT 128 - Soccer (1 credits)**
This course is designed to provide development and use of basic skills of soccer such as passing, trapping, heading, and shooting. Those skills as well as rules of the game and actual game play will be emphasized.

**FIT 129 - Basketball (1 credits)**
This course provides instruction regarding the fundamental skills associated with the sport including passing, shooting, dribbling,
rebounding, screening and defending. Basic offensive and defensive strategies, along with the rules of the game will be introduced and reinforced especially within the context of playing the game, utilizing single-sex and co-ed teams of 4-7 persons.

FIT 130 - Badminton (1 credits)
This course provides instruction in the fundamental skills of the sport with emphasis on singles and doubles play, rules, and strategy. Serves, net shots, clears, drops, drives, and smashes are developed.

FIT 132 - Tennis I (1 credits)
Students receive instruction and practice in the basic skills: the service, service return, groundstrokes, approach shot, and net play. The course includes the sociocultural aspects of the sport and the rules and strategy of the games of singles and doubles. Student must furnish own racket.

FIT 133 - Tai Chi (1 credits)
This course covers the application and fundamental techniques of the traditional martial art, Tai Chi Chuan, from the physiological and psychological perspective.

FIT 141 - International Ethnic Dance (1 credit)
This course presents a wide variety of international folk dances including the square and contra dances familiar to the United States. Theoretical considerations concern the characteristics, ethnic sources, and values of the social forms of dance.

FIT 142 - Social and Ballroom Dancing (1 credit)
This course is designed to introduce students to basic social and ballroom dances including fox trot, waltz, jitterbug, swing, country-western, cha-cha, and tango. Students will become familiar with basic step patterns and variations and skills of leading and following effectively.

FIT 153 - Swimming I (1 credits)
The purpose of this course is to learn the principles of water safety with primary emphasis on learning the mechanics of swimming each fundamental swimming stroke. Specifically, strokes include the front crawl, the back crawl, the elementary backstroke, the breaststroke, and the sidestroke. Students perform drills and conditioning exercises in order to reinforce their learning of each stroke.

FIT 161 - Horseback Riding I (1 credits)
This course includes the skills necessary in developing a safe and secure seat with effective use of the aids for the English style of riding. Students learn the fundamentals of handling a horse and tack safely and appropriately on and off the ground. Students must have a tetanus shot and insurance to cover accidental injury. Tetanus shots may be obtained at the Health Center.

FIT 163 - Skiing/Snowboarding I (1 credits)
Skiing/Snowboarding I consists of eight lessons with instruction provided by the staff of local professional ski/snowboard schools. This course is designed for students who have little or no skiing or riding experience. This course will cover proper use of equipment, on-mountain safety and the correct use of lifts. Progressive skill instruction on snow will focus on balance, sliding, stopping, and turning techniques. Students will learn at their own pace on mountain terrain matching their ability level.

FIT 171 - International and Multicultural Games (1 credits)
This course is designed to acquaint the student with physical activity and games from different countries. Students will be exposed to the nature of physical activity and an exploration of games from different countries. Students will broaden their cultural horizons and gain a better appreciation for physical activity as it is conducted by diverse cultures.

FIT 182 - River Kayaking (1 credit)
This course focuses on the American Canoe Association skills essential in handling a kayak safely and efficiently on the land and in the water. Students acquire paddling skills in pool, lake and river environments. A student must have adequate swimming skills and be able to function in a deep-water environment.

FIT 219 - Intermediate Yoga and Pilates (1 credits)
This course is a study of the ancient system of Yoga combined with the matwork of Joseph Pilates. A practical philosophy that unites the body and mind toward health and spiritual fulfillment, Yoga practice seeks to create a fit and supple body through intermediate yoga postures (asanas). Integrating this study with the work of Joseph Pilates, students will design a personal movement practice for use each day. The wellness benefits of a yoga/pilates practice include acquiring tools for stress management, relaxation, and mindful execution.

FIT 223 - Volleyball II (1 credits)
The primary emphasis of this course is to reinforce the basic skills of tennis and to explore advanced shots and strategy. Students will learn the proper use of spin and be able to improve their footwork and decision-making during their shot selection. Singles and doubles strategy will also be discussed and applied in tournament situations. Racquets will be provided. 
Prerequisite: FIT123.

FIT 232 - Tennis II (1 credits)
The primary emphasis of this course is to reinforce the basic skills of tennis and to explore advanced shots and strategy. Students will learn the proper use of spin and be able to improve their footwork and decision-making during their shot selection. Singles and doubles strategy will also be discussed and applied in tournament situations. Racquets will be provided. 
Prerequisite: FIT140.

FIT 237 - Adventure Activities (1 credit)
Adventure Activities involve nontraditional games and exercises, group initiative problems, and low and high ropes course elements. This course will provide the student with opportunities to meet new challenges, face risks, and overcome obstacles through individual and group effort. Students are invited to venture forth into the unknown, exercising choice and decision making in meeting physically demanding challenges. Extensive use will be made of the Stony Acres ropes course. Students must show evidence of health/accident insurance.

FIT 271 - Backpacking (1 credit)
Students are instructed in basic skills of backpacking, wilderness camping and cooking, navigation and trip planning. Students will plan and carry out either 3 day hikes or an overnight trip in the Stroudsburg area.

FIT 274 - Canoeing I (1 credit)
This course focuses on the American Red Cross Basic Canoeing skills essential in handling a canoe safely and efficiently on land and in water. Students acquire paddling skills in pool, lake, and river environments. A student must have adequate swimming skills and be able to function in a deep-water environment. Qualified students receive the American red Cross Basic Canoeing Certification.

FIT 275 - Cycling (1 credits)
This course introduces the student to general knowledge of buying and maintaining a bicycle. The course also instructs in basic cycling skills such as the biomechanics of pedaling, hand positions, braking, group riding, touring, and safety. Students must provide their own bicycles. Actual riding is a major focus of the course.
FIT 276 - Rock Climbing (1 credit)
This course is designed for the beginning climber and will cover knots, rappels, belaying, elementary use of pitons, and the general rules of technical rock climbing.

FIT 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

FIT 453 - Water Safety Instructor (1 credits)
Satisfactory completion of this course leads to certification as a Red Cross Water Safety Instructor. The course focuses on the development of skill proficiency and teaching proficiency of swimming and lifesaving skills. The Red Cross Introduction to Health Services Education course (IHSE) is incorporated into the Water Safety course. Course is also listed as PETE 453. Prerequisites: Current lifeguard training card; successful completion of Red Cross swimming prerequisite.
Distribution: Advanced.

FIT 454 - Lifeguard Instructor (1 credits)
Satisfactory completion of this course leads to certification as an American Red Cross Lifeguard Instructor. This course prepares instructor candidates to teach Lifeguard Training, Basic Water Safety, Emergency Water Safety, and the Lifeguard Review course. Prerequisites: Lifeguard Training Certificate (FIT/PETE 353); current CPR Certificate/standard First Aid Certificate.
Distribution: Advanced. Prerequisite: FIT353 OR PETE353.

General Science B.A. - Concentration: General

Required major core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 115</td>
<td>GE: Introductory Biology II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>GN: Astronomy: The Sky and Solar System</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>GN: Astronomy: Stars and Galaxies</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 131</td>
<td>GN: Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 161</td>
<td>GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 132</td>
<td>GE: Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 162</td>
<td>GE: Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 495</td>
<td>Senior Capstone</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 120</td>
<td>GN: Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 121</td>
<td>GN: Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 220</td>
<td>GE: Meteorology</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 39

Co-requisite courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPSC 101</td>
<td>GN: Personal Computers and Their Uses in the Sciences</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 131</td>
<td>GE: Applied Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

Are you interested in ...
- Science
- Sharing your love of science with others
- Helping others learn science

Choose General Science at ESU
- Small class sizes
- Hands-on environment
- Highly qualified and experienced faculty
- Partnerships with area school districts

Is General Science a career path for me?

Career Potential
- Science equipment specialist
- Science writing
- Science data analysis
- Junior High School Science teacher
- High School General Science teacher

Career Settings
- Local, state and government agencies
- National and private laboratories
- Equipment and technical companies
- Public and Private schools

More detailed career information is available from the department.
Additional requirements:
- At least 9 credits of required courses (not co-requisites), 300-level or above, must be completed at ESU.
- A minimum of a "C-" must be attained in each of the required courses.

### 4 YEAR CURRICULUM PROGRAM PLAN (GENERAL)
**(Subject to change by university without notice)**

#### Freshman Year Fall
- ENGL 103 English Composition: 3
- GEOG 121 GN: Physical Geology: 3
- Or GEOG 120 GN: Physical Geography: 3
- BIOL 114 GN: Introductory Biology I: 4
- FYE 100 University Studies: 3
- CPSC 101 GN: PCs and Their Uses in the Sciences: 3

**Subtotal: 16**

GEOG 120 (Physical Geography) can be taken in place of GEOG 121 (Physical Geology).

#### Spring
- PHYS 122 GN: Astronomy: Stars and Galaxies: 3
- MATH 110 GN: General Statistics: 3
- GenEd ___ General Education Elective (Group C): 3
- BIOL 115 GE: Introductory Biology II: 4
- GenEd ___ General Education Elective (Group A): 3

**Subtotal: 16**

MATH 135: if needed

#### Sophomore Year Fall
- PHYS 121 GN: Astronomy: The Sky and Solar System: 3
- MATH 135 GN: Pre-Calculus: 3
- GenEd ___ General Education Elective (Group C): 3
- CHEM 121 GN: General Chemistry I: 3
- CHEM 123 GN: General Chemistry I Lab: 1
- HPLW 105 Health Promotion and Lifetime Wellness: 3

**Subtotal: 16**

#### Spring
- MATH 140 GN: Calculus I: 4
- GenEd ___ General Education Elective (Group A): 3
- CHEM 124 GE: General Chemistry II: 3
- CHEM 126 GE: General Chemistry II Lab: 1
- GenEd ___ General Education Elective (Group C): 3

**Subtotal: 14**

#### Junior Year Fall
- PHYS 131 GN: Fundamental Physics I: 4
- GEOG 220 GE: Meteorology: 3
- XXXX ___ Elective: 2
- GenEd ___ General Education Elective (Group A): 3
- GenEd ___ General Education Elective (Group C): 3

**Subtotal: 15**

#### Spring
- PHYS 132 GE: Fundamental Physics II: 4
- XXXX ___ Upper-Level Science Elective: 3
- XXXX ___ Elective: 3
- XXXX ___ Elective: 3
- XXXX ___ Elective: 2

**Subtotal: 15**

#### Senior Year Fall
- CHEM ___ Chemistry Elective: 3
- BIOL ___ Biology Elective: 3
- XXXX ___ Elective: 3
- XXXX ___ Elective: 3
- XXXX ___ Elective: 3

**Subtotal: 15**

#### General Science B.A. - Concentration: Secondary Education

### PROGRAM FEATURES
101 Credits

**Required major core courses:**
- BIOL 114 GN: Introductory Biology I: 4
- BIOL 115 GE: Introductory Biology II: 4
- CHEM 121 GN: General Chemistry I: 3
- CHEM 123 GN: General Chemistry I Lab: 1
- CHEM 124 GE: General Chemistry II: 3
- CHEM 126 GE: General Chemistry II Lab: 1
- PHYS 121 GN: Astronomy: The Sky and Solar System: 3
- PHYS 122 GN: Astronomy: Stars and Galaxies: 3
- PHYS 131 GN: Fundamental Physics I: 4
- PHYS 132 GE: Fundamental Physics II: 4
- PHYS 162 GE: Physics II: 4
- PHYS 495 Senior Capstone: 3
- GEOG 120 GN: Physical Geography: 3
- GEOG 121 GN: Physical Geography: 3
- GEOG 220 GE: Meteorology: 3

**Subtotal: 39

**15 credits:**
15 credits (200-level or above) chosen with the consent of the adviser in BIOL, CHEM and PHYS, with a minimum of three credits in each discipline. Nine of these 15 credits must be 300-level or above.

**Subtotal: 15

**Co-requisite courses:**
- CPSC 101 GN: PC and Their Uses in the Sciences: 3
- MATH 110 GN: General Statistics: 3
- MATH 140 GN: Calculus I: 4
- MATH 131 GE: Applied Calculus: 3

**Subtotal: 9-10

Additional co-requisite courses:
PSED 150 Introduction to Teaching All Students 6
PSED 250 The Psychology of Learners In Diverse Communities 3
PSED 420 Seminar in Secondary Education I: Instructional Strategies and Structures 3
PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom 3
PSED 430 Student Teaching in Secondary Education/ Middle School/ Junior High School 6
PSED 431 Student Teaching in Secondary Education/ Senior High School 6
PSED 446 Teaching of Science in the Secondary Schools 3
REED 350 Teaching Reading to Communities of Diverse Learners 3
SPED 350 Assessment of Student Learning and Behavior in Diverse Communities 3
PHYS 499 Student Teaching Internship 1

Subtotal: 37

Please refer to the section The College of Education in this catalog for specific requirements for admission into teacher education programs.

Additional requirements:
- At least 9 credits of required courses (not co-requisites), 300-level or above, must be completed at ESU.
- A minimum of a “C-” must be attained in each of the required courses.

4 YEAR CURRICULUM PROGRAM PLAN (SECONDARY EDUCATION)

(Subject to change by university without notice)

Freshman Year Fall
FYE 100 University Studies 3
GEOG 121 GN: Physical Geology 3
GEOG 120 GN: Physical Geography 3
PHYS 121 GN: Astronomy: The Sky and Solar System 3
MATH 110 GN: General Statistics 3
ENGL 103 English Composition 3

Subtotal: 15

GEOG 120 (Physical Geography) can be taken in place of GEOG 121 (Physical Geology).

Spring
MATH 135 GN: Pre-Calculus 3
PHYS 122 GN: Astronomy: Stars and Galaxies 3
PSED 150 Introduction to Teaching All Students 6
CPSC 101 GN: PCs and Their Uses in the Sciences 3
GenEd ___ General Education Elective (Group A) 3

Subtotal: 18

Group A General Education Elective: CMST 111 (Speech Communication) is recommended.

Sophomore Year Fall
BIOL 114 GN: Introductory Biology I 4
MATH 140 GN: Calculus I 4
PSED 250 The Psychology of Learners In Diverse Communities 3
CHEM 121 GN: General Chemistry I 3
CHEM 123 GN: General Chemistry I Lab 1
HPLW 105 Health Promotion and Lifetime Wellness 3

Subtotal: 18

MATH 140: If MATH 135 (Pre-Calculus) is necessary, it should be scheduled during the preceding summer.

Spring
PHYS 131 GN: Fundamental Physics I 4
BIOL 115 GE: Introductory Biology II 4
SPED 350 Assessment of Student Learning and Behavior in Diverse Communities 3
CHEM 124 GE: General Chemistry II 3
CHEM 126 GE: General Chemistry II Lab 1
ENGL ___ General Education Elective - Group A (2nd English) 3

Subtotal: 18

Junior Year
Fall
REED 350 Teaching Reading to Communities of Diverse Learners 3
GenEd ___ General Education Elective (Group C) 3
GEOG 220 GE: Meteorology 3
GenEd ___ General Education Elective (Group A) 3
GenEd ___ General Education Elective (Group C) 3
GenEd ___ General Education Elective (Group A) 3

Subtotal: 18

Spring
PSED 420 Seminar in Secondary Education I: Instructional Structures and Strategies 3
PHYS 132 GE: Fundamental Physics II 4
PHYS 495 Senior Capstone 3
GenEd ___ General Education Elective (Group C) 3
XXXX ___ Upper-Level Science Elective 3

Subtotal: 18

Senior Year Fall
PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom 3
PSED 446 Teaching of Science in the Secondary Schools 3
XXXX ___ Upper-Level Science Elective 3
BiOL ___ Biology Elective 3
PHYS ___ Physics Elective 3
CHEM ___ Chemistry Elective 3

Subtotal: 18

Spring
PSED 430 Student Teaching in Secondary Education/ Middle School/ Junior High School 6
PSED 431 Student Teaching in Secondary Education/ Senior High School 6
PHYS 499 Student Teaching Internship 1

Subtotal: 13

General Science Faculty

Professors:
David Buckley (dbuckley@esu.edu)
Robert Cohen, Chair (rcohen@esu.edu)
John Elwood (jelwood@esu.edu)

Associate Professor:
Jerry Ross (jross@esu.edu)

Geography

College of Arts and Sciences
The Faculty of Social Sciences

The Geography department is housed within the History Department
Stroud Hall, Room 409
Environment. Emphasis is placed on understanding the earth and its
This course is a concentrated study of the physical aspects of the
GEOG 120 - GN: Physical Geography (3 credits)
Distribution: GE: Social Sciences-Geography | GN: Group C - Geography
(CGE) | Global Diversity & Citizenship (G).
GEOG 121 - GN: Physical Geology (3 credits)
This course focuses on a description and interpretation of the earth’s rock
and mineral formations and study of their constant change under the
influence of streams, wind, glaciers, volcanism, and other forces.
Distribution: GE: Social Sciences-Geography | GN: Group C - Geography
(CGE) | Global Diversity & Citizenship (G).
GEOG 130 - GN: World Regional Geography (3 credits)
This course is a regional overview of the countries of the world combined
with an introduction to geographic methodology. The course investigates
the interaction between physical phenomena and human activity, the
distribution of economic development, and the uniqueness of the world’s
regions
Distribution: GE: Social Sciences-Geography | GN: Group C - Geography
(CGE) | Global Diversity & Citizenship (G).
GEOG 220 - GE: Meteorology (3 credits)
This course is a descriptive study of the atmosphere providing the student
an opportunity to understand the underlying principles of atmospheric
change, to become familiar with weather instruments, to observe and
record weather data, and to read and interpret weather maps.
Distribution: GE: Social Sciences-Geography. Prerequisite: GEOG120.
GEOG 230 - GE: Geography of the United States and Canada (3 credits)
This course is the study of the geographic regions of the United States and
Canada. Physiography, climate, resources, and industry are reviewed and
applied to the various provinces of North America. Special emphasis is
placed on the physical and cultural differences among regions
Distribution: GE: Social Sciences-Geography.
GEOG 240 - Introduction to Geospatial Technology (3 credits)
This course provides a general introduction to the fundamentals of
Geospatial Technology, including Geographic Information Systems (GIS),
Global Positioning Systems (GPS), cartography, remote sensing, and
spatial analysis through a series of hands-on computer-based exercises.
Students will learn how to utilize geospatial technology to address social
and environmental issues.
Distribution: Information Literacy/Technology (I). Prerequisite: GEOG 110
OR GEOG 120.
GEOG 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students
or courses to be offered on a trial basis in order to determine the demand
for introducing them as part of the university curriculum.
GEOG 310 - GE: Population Geography (3 credits)
This course examines the growth, diffusion, and distribution of population
throughout the world; it forms a bridge between economic and cultural
geography as a means for exploring ideas and methods concerning a
problem of increasing interest.
Distribution: GE: Social Sciences-Geography; Advanced. Prerequisite: GEOG110.
GEOG 320 - GE: Climatology (3 credits)
This course is a review of climate controls and the regional characteristics
of climate and the relation of climate to human activities.
Distribution: GE: Social Sciences-Geography; Advanced. Prerequisite: GEOG120.
GEOG 321 - GE: Geomorphology (3 credits)
This course is an advanced treatment of the processes that shape the
Earth’s surface and the classification of their resulting landforms. It
includes a study of the historical development of major theories of land creation. Special attention is given to the landforms of North America. Distribution: GE: Social Sciences-Geography; Advanced. Prerequisite: GEOG121.

**GEOG 330 - GE: Geography of Eastern Asia (3 credits)**
This course is an intensive investigation of geographic, economic and political regions of eastern Asia with an emphasis on geographic background, natural resources, land utilization, population concentrations, and industrialization of countries of the region. Distribution: GE: Social Sciences-Geography; Advanced. Prerequisite: GEOG110.

**GEOG 341 - Geographic Information Systems (3 credits)**
The course will examine the basics of Geographic Information System (GIS) technology using the Arc View program. Students will learn the principles of GIS and produce simple maps from a variety of data sources. Distribution: Information Literacy/Technology (I) | Advanced. Prerequisite: GEOG110 OR GEOG120.

**GEOG 402 - Applied Geographic Information Science (GIS) (3 credits)**
This course is designed to provide an in-depth understanding of the concepts and applications of GIS, with a focus on GIS analysis methods and their applications. Major topics include spatial data processing and analysis, terrain mapping and analysis, spatial database design and management, and geodatabase. The technical focus of the course includes computer lab tutorials and group projects using the leading desktop GIS software. Distribution: Advanced. Prerequisite: MATH110 AND GEOG341.

**GEOG 403 - Advanced Geographic Information Science (GIS) (3 credits)**
This is an advanced GIS course focusing on spatial analysis and modeling approaches. Major topics include exploratory analysis of spatial data, network analysis, exploring spatial point patterns, area objects and spatial autocorrelation, and spatial interpolation. The lecture session focuses on the principles and concepts of geospatial analysis. Students will also use a computer laboratory to learn the GIS software through a series of exercises. Distribution: Advanced. Prerequisite: MATH110 AND GEOG341.

**GEOG 404 - Web GIS (3 credits)**
This course is designed to provide an intermediate level understanding in the concepts, and principles of Web GIS, with a focus on Web GIS application. Major topics include spatial data processing, Web App builder, mobile GIS, real time GIS application, 3D Web GIS and other skills for e-government, e-business, e-science, and daily life. The technical focus of the course includes computer lab tutorials and group projects using the leading desktop GIS online software. Prerequisite: MATH110 and GEOG341.

**GEOG 405 - GIS Modeling (3 credits)**
This course is designed to provide an intermediate level understanding in the basic concepts of GIS methods and modeling with a focus on the application of GIS modeling. Major topics include spatial data modeling, suitability index modeling, basic testing and validating GIS methods and integration of GIS with models in environment, business, public health and crime analysis. The technical focus of the course includes computer labs and group projects using the leading desktop GIS software and up-to-date models. Prerequisite: MATH110 and GEOG341.

**GEOG 411 - Introduction to Remote Sensing (3 credits)**
This course is designed to introduce the principles and applications of remote sensing and the techniques of digital image processing. It will cover the interaction between energy and the earth’s surface, the major sensor systems, techniques for image enhancement and classification, and the applications of remote sensing. Students will also use a computer laboratory to learn the remote sensing software through a series of exercises. Distribution: Advanced. Prerequisite: MATH110 OR GEOG110 OR GEOG120 OR GEOG341.

**GEOG 422 - Watershed Hydrology (3 credits)**
This course is designed to provide an introduction to different components of the hydrologic cycle at the watershed scale. The emphases will be on surface processes and watershed responses to perturbations such as climate change and land use/land cover change. This course will cover the fundamental principles of hydrology and their applied uses. The ultimate goal of this course is to help students understand and learn how to mitigate water-related environmental problems, such as floods, droughts and water pollution. Distribution: Advanced. Prerequisite: MATH110 AND GEOG120 OR GEOG121 AND GEOG220 OR BIOL210.

**GEOG 440 - Field Tech Geography (3 credits)**
This course is designed to provide an introduction to different methods of collecting field data; it includes recognition of features of the physical or cultural environment or a combination of the two, interview procedures, field mapping, preparation of geographical reports and finished maps based on field work, and experience in use of field equipment and aerial photographs. Emphasis on cultural or physical geography depends on class interest. Distribution: Advanced. Prerequisite: GEOG110 AND GEOG120 AND GEOG340.

**GEOG 485 - IS: (1 - 15 credits)**
This course, offered by a faculty member to a student, does not properly fall within the scope of other courses listed in the catalog. Students will receive a reading list which will be accomplished on a set schedule and will meet periodically with the instructor for discussion and examination. The student will also prepare a paper or complete an exercise or workbook. Evaluation will be from discussion, examinations, papers, and/or exercises. Distribution: Advanced.

**GEOG 486 - Field Experience & Internship (1 - 15 credits)**
This course is an introduction to methods of collecting field data; it engages to reduce their risk of acute and chronic diseases and premature death. An emphasis on positively enhancing the dimensions of health and wellness as a resource for college students to meet their short- and long-term goals is emphasized. By focusing on determinants of health as associated to the college student, individual, social, and physical behaviors and conditions will be explored through lecture, self-evaluative experiences, personal fitness and physical activity assessments, experiences, and behavior change principles.

### Health Promotion and Lifetime Wellness

**HPLW courses**

**HPLW 105 - Health Promotion and Lifetime Wellness (3 credits)**
This course explores the behaviors in which college students should engage to reduce their risk of acute and chronic diseases and premature death. An emphasis on positively enhancing the dimensions of health and wellness as a resource for college students to meet their short- and long-term goals is emphasized. By focusing on determinants of health as associated to the college student, individual, social, and physical behaviors and conditions will be explored through lecture, self-evaluative experiences, personal fitness and physical activity assessments, experiences, and behavior change principles.
Health Studies

College of Health Sciences
The Faculty of Health Professions
The DeNike Center for Human Services, Room 249
570-422-3702
www.esu.edu/hlth

About the Program
Through teaching, research and service the Department of Health Studies is dedicated to preparing exemplary practitioners who will function as leaders in our global society affecting changes to eliminate health disparities and improve societal health. The Department of Health Studies is an active partner in the economic and community development of Northeast Pennsylvania, and a recognized regional center of academic excellence in Public Health, Health Education and Health Teacher Preparation.

The Department of Health Studies at East Stroudsburg University provides diverse opportunities for students interested in careers in both the healthcare and education sector. The coursework, as well as the hands-on experiences built into the curriculum provide a solid foundation for students wishing to either start a career after graduating or going on to complete a graduate degree.

Recent graduates of our program:
• Have careers as healthcare administrators and health educators in hospitals, nursing homes, government agencies, non-profits, schools, universities, pharmaceutical companies, or
• Are enrolled in master or doctoral degrees programs in public health, health education, health policy and/or health administration.

The department offers three baccalaureate degree programs, one minor and one teacher certification program. These include a Bachelor of Science in Public Health with a concentration in Community Health; a Bachelor of Science in Public Health with a concentration in Health Services Administration; and a Bachelor of Science in Health Education with a concentration in School Health. An 18-credit minor in Health Services Administration is offered as well as a 33 credit Health Education teacher certification program.

The undergraduate and graduate curriculum provides students with the opportunity to apply theory with practice and to work side-by-side with both their academic faculty and field-based professionals. The programs within the department are accredited by the National Council for Accreditation of Teacher Education (NCATE) and the Council for Education of Public Health (CEPH).

The course requirements and course descriptions for these programs are listed below, followed by a suggested plan for completing the three degree(s) in eight semesters.

Health Education B.S. -
Concentration: School Health (Teacher Certification)
About the Program
Through teaching, research and service the Department of Health Studies is dedicated to preparing exemplary practitioners who will function as leaders in our global society affecting changes to eliminate health disparities and improve societal health. The coursework as well as the hands-on experiences built into the curriculum provide a solid foundation for students wishing to either start a career after graduating in any state or going on to complete a graduate degree.

Degree Options
Bachelor of Science in Health Education - A 120 credit degree program with 42 credits that prepares candidates for a health education career as a teacher in elementary or secondary schools.

Are you interested in ...
• Implementing standard-based units of instruction that assist children and youth to engage in positive healthy behaviors
• Engaging in the opportunity to promote and implement a coordinated school health program
• A program that is part of the dual degree and dual certification for Health and Physical Education

Choose Health Education at ESU
• Qualified, experienced faculty
• Clinical experiences/student teaching

Is Health Education a career path for me?
Career Potential and Settings
• The School Health Program is designed to provide training for a health education career as a teacher in the elementary or secondary schools. The program is also advisable for careers as health coordinators for elementary or secondary schools or as health instructors in school related health centers.
• The Health Education Teacher Certification program has been approved by the Pennsylvania Department of Education as an approved K-12 certification. Also the program has attained National Accreditation approval at the exemplary level from The American Association for Health Education (AAHE) and the Council for the Accruator of Educator Preparation (CAEP) accreditation as part of the Teacher Education Unit at ESU.

More detailed career information is available from the department.

PROGRAM FEATURES

44 credits
For the Health and Physical Education certification requiring a dual major see Physical Education Teacher Education. (p. 309)
The School Health Program is designed to provide training for a health education career as a teacher in the elementary or secondary schools. The program is also advisable for careers as health coordinators for elementary or secondary schools or as health instructors in school related health centers.

Required courses:
• HLTH 210 Foundations of Health Science 3
• HLTH 215 Skills Based Health Education 3
• HLTH 230 Community Health 3
• HLTH 240 Health Emergencies 3
• HLTH 310 Family Health Education 3
• HLTH 341 Nutrition Education 1.5
• HLTH 350 Promoting Emotional Well-Being 3
• HLTH 356 Drug and Alcohol Teacher Preparation 1.5
• HLTH 365 School Health Programs 3
• HLTH 461 Methods in Health Education 3
• HLTH 462 Assessment in School Health Education 3
• HLTH 486 Field Experience & Internship 1 - 15
• 12 credits of HLTH electives 12

Co-requisite courses:
• MATH 110 GN: General Statistics 3
• MATH 130 GN: Applied Algebraic Methods 3
PSY 100  GN: General Psychology  3
SOC 111  GN: Introduction to Sociology  3
ENGL 103  English Composition  3
PSED 150  Introduction to Teaching All Students  6
PSED 250  The Psychology of Learners In Diverse Communities  3
REED 350  Teaching Reading to Communities of Diverse Learners  3
CMST 111  GN: Introduction to Communication  3
BIOL 116  GE: Human Anatomy and Physiology I for the Health Sciences  3
BIOL 117  Human Anatomy and Physiology I Laboratory for the Health Sciences  1

HPLW 105  Health Promotion and Lifetime Wellness  3
OR
FYE 100  University Studies  3

Subtotal: 16

Spring
ENGL 1XX  English Literature  3
HLTH 215  Skills Based Health Education  3
HLTH 415  Determinants of Disease  3
PSED 150  Introduction to Teaching All Students  6
GenEd  General Education Elective  3

Subtotal: 18

Sophomore Year Fall
HLTH 230  Community Health  3
PSED 250  The Psychology of Learners In Diverse Communities  3
PSY 100  GN: General Psychology  3
MATH 110  GN: General Statistics  3
GenEd  General Education Elective  3

Subtotal: 15

Junior Year Fall
HLTH 341  Nutrition Education  1.5
HLTH 356  Drug and Alcohol Teacher Preparation  1.5
HLTH 310  Family Health Education  3
REED 350  Teaching Reading to Communities of Diverse Learners  3
GenEd  General Education Elective  3
GenEd  General Education Elective  3

Subtotal: 17

Senior Year Fall
HLTH 461  Methods in Health Education  3
HLTH 462  Assessment in School Health Education  3
GenEd  General Education Elective  3
GenEd  General Education Elective  3

Subtotal: 12

Spring
HLTH 431  Student Teaching in Health Education  5 - 12

Subtotal: 12

For more information, contact the department at 570-422-3702 or visit www.esu.edu/hlth.

Accelerated Pathway
The accelerated pathway model offers an efficient way for high achieving students to complete both BS in Public Health and MPH degrees in five years by taking pre-approved graduate courses while an undergraduate student. Interested candidates must have completed a minimum of 60
undergraduate credits and have an overall GPA of 3.20 to be considered. This accelerated pathway consists of a minimum of 105 credit hours of undergraduate course work combined with a maximum of 15 semester hours of graduate course work to count towards both the undergraduate and graduate degrees.

<table>
<thead>
<tr>
<th>BS in Public Health Course</th>
<th>MPH Course Alternative</th>
<th>Content Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 261</td>
<td>HLTH 561</td>
<td>Epidemiology</td>
</tr>
<tr>
<td>HLTH 271</td>
<td>HLTH 562</td>
<td>Environmental health</td>
</tr>
<tr>
<td>HLTH 370</td>
<td>HLTH 555</td>
<td>Program planning &amp; evaluation</td>
</tr>
<tr>
<td>HLTH 440</td>
<td>HLTH 560</td>
<td>Health Ed &amp; behavior change theory</td>
</tr>
<tr>
<td>HLTH 382</td>
<td>HLTH 538</td>
<td>Policy &amp; admin</td>
</tr>
</tbody>
</table>

Students will receive a BS in Public Health degree after successful completion of a minimum of 120 credits and fulfillment of all undergraduate program content areas, typically at the end of the fourth year of study.

For students completing the accelerated pathway, the department supports a streamlined graduate application process waiving the need for GRE, letters of recommendation, and resume. The application form, transcript, and statement of purpose are still required to complete the remaining 27-credits of graduate coursework to receive a MPH in Community Health degree. For more information on these programs, contact the Office of Graduate and Extended Studies at (570) 422-3570 or Dr. Kimberley Razzano, Department Chair, Health Studies, (570) 422-3693.

**Health and Physical Education Dual Certification**

See Physical Education Teacher Education

**Public Health B.S. - Concentration: Community Health**

**About the Program**

The Department of Health Studies degree programs provide students with an innovative curriculum to pursue a variety of career paths in the health field, as well as providing the foundation needed for future graduate studies. The health field is the second largest employer in the United States.

Community Health Educators are professionals who design, carry out and evaluate programs that help improve the quality of health within communities. The quality of health attained by communities is what in turn determines the society’s overall quality of life.

The Community Health Education program prepares students for a rewarding service career that improves the health behavior and health outcomes of residents living in local communities, counties, as well as statewide.

The Community Health Education program also provides a solid foundation for those wishing to pursue graduate training in the public health sciences. The curriculum provides a solid foundation in assessing community needs, planning and implementing community-based health education and health promotion programs; program evaluation; and resource acquisition and development.

**Career Opportunities**

Employment opportunities in health education and promotion continue to expand due to the increasing emphasis on cost-effective approaches in early detection and prevention of maladaptive health behaviors and resulting disease.

Employment opportunities exist working with youth, families, and the growing number of senior citizens. Typical employment settings include community medical centers and hospitals, local and state departments of health, insurance companies, pharmaceuticals, nonprofit organizations (i.e., American Cancer Society), and other public health settings.

**Are you interested in ...**

- Improving the quality of health within communities
- Preventing illness by educating communities
- A service career in health care

**Choose Community Health Education at ESU**

- Small class size
- Qualified, experienced faculty
- Practical internships

**Is community health education a career path for me?**

**Career Potential**

- Coordinator of community prevention programs
- Patient educator for disease management
- Trainers
- Community organizers
- Work-wellness specialists
- Wellness project managers
- Outreach workers
- Case managers
- Research associates
- Public health program managers

**Career Settings**

- Hospitals and service delivery organizations
- Local and state health departments
- Long-term care facilities
- Pharmaceutical firms
- Health insurance agencies
- Government entities (Centers for Disease Control, Health and Human Services, Departments of Health)
- Hospice and home health agencies
- Nonprofit organizations (American Cancer, Red Cross, United Way)
- Graduate schools in public health

*More detailed career information is available from the department.*

**Internships**

Students in the bachelor of science program have the opportunity to complete internships with community and public health agencies located in the Poconos, Lehigh Valley, and other organizations within Pennsylvania, as well as New Jersey. Some students also obtain internships in Washington, D.C., the Center for Disease Control (CDC) in Atlanta, and other locations nationally.

**PROGRAM FEATURES**

58 credits

**Required courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 210</td>
<td>Foundations of Health Science</td>
</tr>
<tr>
<td>HLTH 230</td>
<td>Community Health</td>
</tr>
<tr>
<td>HLTH 261</td>
<td>Foundations of Epidemiology in Public Health</td>
</tr>
<tr>
<td>HLTH 271</td>
<td>Environmental Determinants of Community Health</td>
</tr>
<tr>
<td>HLTH 280</td>
<td>Fundamentals of Health Administration</td>
</tr>
<tr>
<td>HLTH 355</td>
<td>Drug Abuse &amp; Prevention Education</td>
</tr>
</tbody>
</table>
The coursework prepares graduates to...

- Determine individual, organizational and community health education needs.
- Plan, develop, implement, manage and evaluate health education programs.
- Communicate health education needs.
- Develop coalitions.
- Advocate for community health issues.
- Train health educators.
- Employ a variety of educational methods and materials.

(Subject to change by university without notice)

**Freshman Year Fall**

- HPLW 105 Health Promotion and Lifetime Wellness 3
- HLTH 370 Planning and Evaluation in Public Health Practice 3
- HLTH 386 Pre-Pacticum in Public Health Practice 3
- HLTH 401 Public Health Preparedness 3
- HLTH 411 Public Health Strategies 3
- HLTH 412 Computer Applications in Public Health 3
- HLTH 415 Determinants of Disease 3
- HLTH 440 Modifying Health Behaviors 3
- HLTH 450 Public Health Nutrition 3
- HLTH 486 Field Experience & Internship: Semester Hours Arranged 3
- BIOL 117 Human Anatomy and Physiology I Laboratory for the Health Sciences 1

Choose three courses from the following:

- HLTH 240 Health Emergencies 3
- HLTH 408 Women's Health Concerns 3
- HLTH 442 Human Sexuality and Reproductive Health 3
- HLTH 432 Death and Dying 3
- HLTH 444 Health Promotion Programs and Aging 3
- HLTH 381 Health Economics and Finance 3
- HLTH 382 Health Ethics & Law 3
- HLTH 421 Advanced Emergency Care 3
- HLTH 470 Global Public Health 3

**Additional requirements:**

- Minimum overall GPA of 2.8
- C or above in all Major classes

**4 YEAR CURRICULUM PROGRAM PLAN**

The curriculum prepares students to take the Certified Health Education Specialists (CHES) examination. The CHES credential indicates that a Health Educator has achieved professional competency required in many employment settings.

**Subtotal: 16**

**Spring**

- HPLW 105 Health Promotion and Lifetime Wellness 3
- OR
- FYE 100 University Studies 3
- HLTH 230 Community Health 3
- HLTH 415 Determinants of Disease 3
- PSY 100 GN: General Psychology 3
- SOC 111 GN: Introduction to Sociology 3

**Subtotal: 15**

**Sophomore Year Fall**

- CMST 111 GN: Introduction to Communication 3
- DMET 262 Educational Communications and Technology 3
- HLTH Health Elective 1 3
- HLTH Health Elective 2 3
- GenEd General Education Elective 3
- GenEd General Education Elective 3

**Subtotal: 18**

**Spring**

- HLTH 261 Foundations of Epidemiology in Public Health 3
- HLTH 271 Environmental Determinants of Community Health 3
- HLTH 280 Fundamentals of Health Administration 3
- GenEd General Education Elective 3
- GenEd General Education Elective 3
- GenEd General Education Elective 3

**Subtotal: 15**

**Junior Year Fall**

- HLTH 440 Modifying Health Behaviors 3
- HLTH 409 Health Counseling 1
- HLTH 470 Global Public Health 3
- GenEd General Education Elective 3
- GenEd General Education Elective 3
- GenEd General Education Elective 3

**Subtotal: 16**

**Spring**

- HLTH 370 Planning and Evaluation in Public Health Practice 3
- HLTH 386 Pre-Pacticum in Public Health Practice 3
- HLTH Health Elective 3 3
- HLTH Health Elective 4 3
- GenEd General Education Elective 3

**Subtotal: 15**

**Senior Year Fall**

- HLTH 460 Community Health Organizations 3
- HLTH Health Elective 5 3
- GenEd General Education Elective 3
- GenEd General Education Elective 3

**Subtotal: 12**
Is health services administration a career path for me?

Choose Health Services Administration at ESU

- Improving the quality of care and efficiency in healthcare facilities
- Managing a medical facility/clinical department
- Planning, coordinating, directing, and supervising healthcare delivery

Are you interested in...

- departments: Health, Political Science, and Economics.
- program is interdisciplinary, so students take courses in three sciences, as well as the natural and social sciences.
- curriculum provides students with the opportunity to network with practicing professionals.

Degree Options:
The Health Services Administration program is designed to prepare students for administrative careers in an expanding healthcare field. The program is interdisciplinary, so students take courses in three departments: Health, Political Science, and Economics.

- Bachelor of Science in Public Health with a concentration in Health Services Administration – A 44-credit interdisciplinary major that provides students with the educational foundation for careers in health administration, delivery, and policy.
- Health Administration Minor – An 18-credit program that provides students enrolled in other majors with a general understanding of health administration.

Are you interested in...

- Planning, coordinating, directing, and supervising healthcare delivery
- Managing a medical facility/clinical department
- Improving the quality of care and efficiency in healthcare facilities

Choose Health Services Administration at ESU

- Small class size
- Qualified, experienced faculty
- Practical internships

Is health services administration a career path for me?

Career Potential

- Students who graduate with training in health services administration can find career opportunities in administration or resource development in the public or private sectors of health service delivery, and can specialize in planning, organization, policy formation and analysis, finance, economics, and marketing. Health service administrators play a leadership role in regional, state, national, and international agencies and organizations. Students who graduate from our programs can enjoy successful careers in a variety of settings.

Career Settings

- Ambulatory clinics
- Hospital inpatient and outpatient departments
- Managed care organizations
- Insurance and pharmaceutical companies
- Administrators in training for long-term care
- Consulting firms
- Government agencies
- Nonprofit agencies
- Pharmaceutical companies

More detailed career information is available from the department.

Internships

Students in the Bachelor of Science program have the opportunity to complete internships with major health care facilities throughout the northeast. Student internship sites include:

- Government agencies: federal, state and local health departments;
- Medical centers, hospitals and other health care institutions;
- Community coalitions and health improvement programs;
- Not-for-profit organizations (i.e., American Cancer Society, American Red Cross); and
- Worksite wellness and health promotion programs for employees.

Program Features

72 credits with cognate

The Health Service Administration concentration is an interdisciplinary program that provides the educational foundation for careers in health services administration, delivery and policy.

The program prepares students to work in the challenging healthcare sector in the administration of health services. The program prepares students for careers that make a significant contribution to improving the health of communities. The program consists of courses from the Economics Department, the Political Science Department, and the Health Department.

The program is designed to prepare students to enter careers in healthcare delivery settings (hospitals, clinics, home health agencies), public health settings (county and state health departments or community-based organizations), in other allied health settings (nursing homes) or in the insurance segment (insurance companies and HMOs).

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 210</td>
<td>Foundations of Health Science</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 230</td>
<td>Community Health</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 261</td>
<td>Foundations of Epidemiology in Public Health</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 271</td>
<td>Environmental Determinants of Community Health</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 280</td>
<td>Fundamentals of Health Administration</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 370</td>
<td>Planning and Evaluation in Public Health Practice</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 381</td>
<td>Health Economics and Finance</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 382</td>
<td>Health Ethics &amp; Law</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 386</td>
<td>Pre-Practicum in Public Health Practice</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 412</td>
<td>Computer Applications in Public Health</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 415</td>
<td>Determinants of Disease</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 440</td>
<td>Modifying Health Behaviors</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 470</td>
<td>Global Public Health</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 486</td>
<td>Field Experience &amp; Internship: Semester Hours Arranged</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>Human Anatomy and Physiology I Laboratory for the Health Sciences</td>
<td></td>
</tr>
</tbody>
</table>

Choose three courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 240</td>
<td>Health Emergencies</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 355</td>
<td>Drug Abuse &amp; Prevention Education</td>
<td>3</td>
</tr>
</tbody>
</table>
4 YEAR CURRICULUM PROGRAM PLAN  
(Subject to change by university without notice)  

**Freshman Year Fall**  
- HLTH 210: Foundations of Health Science 3  
- CPSC 100: GN: Personal Computers and Their Uses 3  
- MATH 110: GN: General Statistics 3  
- BIOL 116: GE: Human Anatomy and Physiology I for the Health Sciences 3  
- BIOL 117: Human Anatomy and Physiology I Laboratory for the Health Sciences 1  
- HPLW 105: Health Promotion and Lifetime Wellness 3  
- OR  
  - FYE 100: University Studies 3  
  
Subtotal: 15  

**Spring**  
HLTH 261: Foundations of Epidemiology in Public Health 3  
HLTH 271: Environmental Determinants of Community Health 3  
HLTH 280: Fundamentals of Health Administration 3  
POLS 293: GE: Public Policy and Administration 3  
GenEd ___: General Education Elective 3  
GenEd ___: General Education Elective 3  

Subtotal: 18  

**Junior Year Fall**  
- HLTH 380: Health Ethics & Law 3  
- XXXX ___: Co-requisite coursework (EMGT or POLS) 3  
- HLTH 440: Modifying Health Behaviors 3  
- GenEd ___: General Education Elective 3  
- GenEd ___: General Education Elective 3  
- GenEd ___: General Education Elective 3  

Subtotal: 16  

**Senior Year Fall**  
- GenEd ___: General Education Elective 3  
- HLTH 460: Community Health Organizations 3  
- HLTH 470: Global Public Health 3  
- XXXX ___: Co-requisite coursework (EMGT or POLS) 3  
- XXXX ___: Elective 3  

Subtotal: 15  

**Subtotal: 12**  
For more information, contact the department at 570-422-3702 or visit www.esu.edu/hlth.  

Public Health Minor  

**PROGRAM FEATURES**  
18 credits  

**Required courses**  
- HLTH 230: Community Health 3  
- HLTH 261: Foundations of Epidemiology in Public Health 3  
- HLTH 271: Environmental Determinants of Community Health 3  
- HLTH 280: Fundamentals of Health Administration 3  

and 9 credits from  
- HLTH 240: Health Emergencies 3  
- HLTH 250: Human Sexuality for Healthful Living 3  
- HLTH 340: Nutrition: Concepts and Controversies 3  
- HLTH 350: Promoting Emotional Well-Being 3  
- HLTH 355: Drug Abuse & Prevention Education 3  
- HLTH 356: Drug and Alcohol Teacher Preparation 1.5  
- HLTH 370: Planning and Evaluation in Public Health Practice 3  
- HLTH 380: Health Project and Grant Writing 3  
- HLTH 382: Health Economics and Finance 3  
- HLTH 383: Drug and Alcohol Teacher Preparation 3  
- HLTH 408: Women's Health Concerns 3  
- HLTH 421: Advanced Emergency Care 3  

Subtotal: 15  

**Sophomore Year Fall**  
- CMST 111: GN: Introduction to Communication 3  
- MGT 200: Principles of Management 3  
- MGT 211: Financial Accounting Fundamentals 3  
- GenEd ___: General Education Elective 3  
- XXXX ___: Elective 3  

**Subtotal: 15**  

**Co-requisite courses:**  
- MGT 200: Principles of Management 3  
- MGT 211: Financial Accounting Fundamentals 3  
- CMST 111: GN: Introduction to Communication 3  
- MGT 211: Financial Accounting Fundamentals 3  
- HLTH 230: Community Health 3  
- ECON 112: Principles of Management 3  
- HLTH 280: Fundamentals of Health Administration 3  
- GEN Ed ___: General Education Elective 3  
- GEN Ed ___: General Education Elective 3  

**Additional requirements:**  
Minimum overall GPA of 2.8  
C or above in all major classes  

**Spring**  
- HLTH 210: Foundations of Health Science 3  
- CPSC 100: GN: Personal Computers and Their Uses 3  
- MATH 110: GN: General Statistics 3  
- BIOL 116: GE: Human Anatomy and Physiology I for the Health Sciences 3  
- BIOL 117: Human Anatomy and Physiology I Laboratory for the Health Sciences 1  
- HPLW 105: Health Promotion and Lifetime Wellness 3  
- OR  
  - FYE 100: University Studies 3  
  
Subtotal: 16  

**Junior Year Fall**  
- HLTH 380: Health Ethics & Law 3  
- XXXX ___: Co-requisite coursework (EMGT or POLS) 3  
- HLTH 440: Modifying Health Behaviors 3  
- GenEd ___: General Education Elective 3  
- GenEd ___: General Education Elective 3  
- GenEd ___: General Education Elective 3  

Subtotal: 18  

**Senior Year Fall**  
- GenEd ___: General Education Elective 3  
- HLTH 460: Community Health Organizations 3  
- HLTH 470: Global Public Health 3  
- XXXX ___: Co-requisite coursework (EMGT or POLS) 3  
- XXXX ___: Elective 3  

Subtotal: 15  

**Subtotal: 12**  
For more information, contact the department at 570-422-3702 or visit www.esu.edu/hlth.
Health Services Administration Minor

PROGRAM FEATURES

18 credits
This minor is designed for students planning to enter public health careers. Enrollment in a major related to public health is strongly recommended. Some of these courses offered by other departments are scheduled on an every other year basis.

Required courses:
- MGT 200 Principles of Management 3
- HLTH 280 Fundamentals of Health Administration 3
- HLTH 381 Health Economics and Finance 3
- POLS 293 GE: Public Policy and Administration 3
- OR POLS 160 GN: Introduction to Public Administration 3

Co-requisite courses:
6 credits from:
- HLTH 261 Foundations of Epidemiology in Public Health 3
- HLTH 271 Environmental Determinants of Community Health 3
- HLTH 380 Health Project and Grant Writing 3
- HLTH 382 Health Ethics & Law 3
- POLS 416 Administrative Law 3
- POLS 467 Public Personnel Administration 3
- POLS 468 Strategies for Policy Analysis 3
- MGT 204 Principles of Marketing 3
- MGT 211 Financial Accounting Fundamentals 3

Required quality point average:
2.00 for the seven courses.

Drug Abuse Prevention Certificate

PROGRAM FEATURES

15 credits

Required courses:
- SPRE 100 Foundations of Human Services 3
- HLTH 230 Community Health 3
- HLTH 355 Drug Abuse & Prevention Education 3
- HLTH 370 Planning and Evaluation in Public Health Practice 3
- HLTH 440 Modifying Health Behaviors 3

Subtotal: 15

Environmental Health Certificate

The Environmental Health Certificate program provides a foundation in public health training for students who would like to obtain a focus area in environmental health, such as students in sociology, psychology, criminology, biology and chemistry.

PROGRAM FEATURES

15 credits

Required Courses:
- BIOL 104 GN: Human Ecology 3
- HLTH 230 Community Health 3

Subtotal: 15

Global Health Certificate

PROGRAM FEATURES

15 credits

Required courses:
- POLS 117 GN: Introduction to Global Politics 3
- HLTH 230 Community Health 3
- HLTH 370 Planning and Evaluation in Public Health Practice 3
- HLTH 470 Global Public Health 3
- SOC 280 Sociological Perspectives in Globalization 3

Subtotal: 15

Health Emergency Preparedness Certificate

PROGRAM FEATURES

15 credits

Required courses:
- MGT 200 Principles of Management 3
- HLTH 240 Health Emergencies 3
- HLTH 271 Environmental Determinants of Community Health 3
- HLTH 370 Planning and Evaluation in Public Health Practice 3
- HLTH 401 Public Health Preparedness 3

Subtotal: 15

Health Project Management Certificate

PROGRAM FEATURES

15 credits

Required courses:
- CMST 126 GN: Introduction to Mass Media 3
- MGT 200 Principles of Management 3
- MGT 211 Financial Accounting Fundamentals 3
- HLTH 271 Environmental Determinants of Community Health 3
- HLTH 370 Planning and Evaluation in Public Health Practice 3
- HLTH 370 Health Project and Grant Writing 3

Subtotal: 15

Medical Marijuana and Public Health

PROGRAM FEATURES

12 credits

Required Courses:
- MGT 264 Managing a Marijuana-based Business 3
- PHIL 121 GN: Bioethics 3
- HLTH 205 Medical Cannabis: Impact and Effects 3
- HLTH 206 Public Health and Cannabis 3

Subtotal: 12

Nutrition Certificate

The Nutrition Certificate is an interdisciplinary program that will emphasize evidence-based nutritional guidelines for health and sport. This will provide undergraduate students the opportunity to explore nutrition as it relates to healthy populations, obesity, disordered eating, and sport performance. Undergraduate students may add this certificate at any point in their curriculum. This certificate is available to students of any major or department on campus.
Objectives of the Nutrition Certificate:
• Students will understand the fundamentals of basic nutrition and food systems.
• Students will understand the role of nutrition in health, well-being, disease prevention, and sport performance.
• Students will demonstrate the ability to research and communicate evidence-based nutrition information.
• Students will understand the importance of integrating nutritional principles into their disciplines across a variety of professions.

PROGRAM FEATURES
14 credits

Required Courses
HLTH 340 Nutrition: Concepts and Controversies 3
HLTH 410 Life Cycle Nutrition 3
EXSC 447 Sports Nutrition 3
EXSC 452 Exercises and Weight Control Workshop 2
EXSC 496 Sport Nutrition Practicum 3
OR
HLTH 430 Public Health Nutrition 3

Health Studies Faculty
Professors:
Kelly Boyd (kboyd@esu.edu)
Kimberley Razzano, Chair (krazzano@esu.edu)
Steve Shive (sshive@esu.edu)

Associate Professor:
Clare Lenhart (clenhart1@esu.edu)
Christine Fisher (cfisher@esu.edu)

Instructors:
Christina Brecht (cbrecht@esu.edu)

HLTH - Health Courses

HLTH 105 - Health Promotion & Lifetime Wellness (3 credits)
This course explores the behaviors in which college students should engage to reduce their risk of acute and chronic diseases and premature death. An emphasis on positively enhancing the dimensions of health and wellness as a resource for college students to meet their short- and long-term goals is emphasized. By focusing on determinants of health as associated to the college student, individual, social, and physical behaviors and conditions will be explored through lecture, self-evaluative experiences, personal fitness and physical activity assessments, experiences, and behavior change principles.
Distribution: Wellness (H).

HLTH 205 - Medical Cannabis: Impact and Effects (3 credits)
This course addresses the current research and evidence for the medicinal use of marijuana products. An exploration of the therapeutic effects on diseases and human health will be addressed.

HLTH 206 - Public Health and Cannabis (3 credits)
This course addresses the cultivation, extraction, and standardization of cannabis chemicals, current research methodology unpinning the medical benefits claims of various forms of medical marijuana, and cannabis use as it relates to Public Health policy and implications. Students will also participate in a practicum related to cannabis commercialization.

HLTH 210 - Foundations of Health Science (3 credits)
The historical and philosophical perspectives of the development of health science will be discussed in this course. A comparison will be made of the major concepts and theories of health and characteristics of health education programs in schools and communities.
Distribution: Information Literacy/Technology (I). Prerequisite: HLTH 230.

HLTH 215 - Skills Based Health Education (3 credits)
This course is an introduction to the skills-based approach to teaching health education. Using PA State Health Education Standards as the foundation of a comprehensive program, this course will lay the pedagogical foundation for the art and skill of teaching health education. Students will become familiar with skill-based teaching strategies, effective questioning, the value of routines, age appropriate curriculum, the use of technology, and extended opportunities for health education within the school. An essential part of the course is the application of skills-based teaching strategies to provide lesson segments/episodes. Classmates and the "Rockets" program will be used to provide hands-on teaching opportunities.
Prerequisite: HLTH 105; sophomore standing.

HLTH 220 - Personal and Consumer Health (3 credits)
This course deals with the identification of individual capability and responsibility for the development of attitudes and patterns of health behavior leading to a full and satisfied life. In addition, the course investigates the factors to be considered by a consumer purchasing products and services.

HLTH 230 - Community Health (3 credits)
This course consists of an exploration of the current major community health problems, the programs for preventing and controlling health problems, and the various community organizations which deal with these problems.

HLTH 240 - Health Emergencies (3 credits)
This course deals with training in life saving measures for all types of emergency situations with the opportunity to become certified in First Aid instruction and Cardiopulmonary Resuscitation (heart-lung resuscitation).

HLTH 241 - Cardiopulmonary Resuscitation (1 credits)
This course deals with training in life saving measures for all types of emergency situations with the opportunity to become certified in First Aid instruction and Cardiopulmonary Resuscitation (heart-lung resuscitation).

HLTH 250 - Human Sexuality for Healthful Living (3 credits)
This course examines the current knowledge and attitudes of human sexual behavior with emphasis on topics ranging from the sex act, orgasm, childbirth, birth control, sexual dysfunction, masturbation, to homosexuality.

HLTH 261 - Foundations of Epidemiology in Public Health (3 credits)
This course is an introduction to the basic principles, methods, and uses of epidemiology. An overview of fundamental epidemiologic methods used in public health research and practice will be covered. The student will be familiarized with basic measures used in describing disease frequency in populations. Descriptive and analytic approaches to the study of disease will be explored, and a perspective on the role of epidemiologic methods in health services planning and evaluation will be provided. Problem solving exercises will be used to provide students with an opportunity to tabulate data and apply subject matter developed during lectures and in reading assignments. Application of epidemiologic concepts to various health settings will be addressed.

HLTH 271 - Environmental Determinants of Community Health (3 credits)
This course addresses the health issues, scientific understanding of causes, and control of the major environmental health problems. Environmental pollutants; physical, chemical and biological agents of environmental contamination; vectors for dissemination (air, water, soil); solid hazardous
waste; susceptible populations; biomarkers and risk analysis; the scientific basis for policy decisions; and emerging global environmental health problems will be addressed.

**HLTH 280 - Fundamentals of Health Administration (3 credits)**
This course is designed to acquaint students with fundamental concepts and methods of modern management in health care settings. Various administrative practices among private for-profit, not for profit, and public health agencies are covered with particular focus on common integral principles and responsibilities of administration.
Distribution: Advanced. Prerequisite: HLTH220 OR HLTH230.

**HLTH 290 - Special Topics: ((Semester hours arranged))**
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

**HLTH 303 - Elementary School Health (3 credits)**
This course develops a health education curriculum designed for K-6 including an investigation of methods, materials, and evaluative techniques.
Distribution: Advanced.

**HLTH 310 - Family Health Education (3 credits)**
The course examines human sexual behavior from a historical and sociopsychological perspective. It also includes biological and psychosocial development from infancy to adulthood, sexual response, and sexual dysfunction. The goals of sex education and the need for discussing sexuality in the schools will be stressed. Curriculum development, content and implementation will be included.
Distribution: Advanced. Prerequisite: HLTH220 OR HLTH230.

**HLTH 330 - Professional Practice in Health Education (2 credits)**
This course is designed to explore and analyze the practice-based skills and implementation will be included.

**HLTH 340 - Nutrition: Concepts and Controversies (3 credits)**
This course is an overview of the principles of nutrition including the food sources of essential nutrients, their digestion, absorption, metabolism and functions as they relate to human health and disease. Additional topics include dietary guidelines, energy balance and weight control, eating disorders, nutrition and the life cycle, food safety, and food systems.
Distribution: Advanced.

**HLTH 341 - Nutrition Education (1.5 credits)**
This course is designed to prepare students in the health and physical education teacher certification program to teach the principles of nutrition in the school setting. Emphasis will be placed upon methods and materials necessary for the teaching of nutrition in grades K-12.
Distribution: Advanced. Prerequisite: BIOL112 AND HLTH220.

**HLTH 350 - Promoting Emotional Well-Being (3 credits)**
This course focuses on emotional health and its relationship to all school-aged children. Primary emphases will be placed on recognizing factors influencing emotional well-being and development. In addition, considering all school-aged learners, recognition, development, and facilitation of methods related to constructive responses, positive personal and social skills, and emotional aspects of mental health will be examined.
Prerequisite: Advanced standing of 60 credits.
Distribution: Advanced. Prerequisite: HLTH220 OR HLTH230.

**HLTH 355 - Drug Abuse & Prevention Education (3 credits)**
The course examines relevant health issues of substance use and abuse in society. The course includes the historical, psycho-social, pharmacological, physiological, sociological, legal and rehabilitative aspects. The role of prevention programming is addressed.
Distribution: Advanced. Prerequisite: HLTH 105 or HLTH 230.

**HLTH 356 - School Health Programs (3 credits)**
This course deals with building leadership and collaboration skills to support a Coordinated School Health Program (CSPH) that will meet the needs of all children/adolescents in a school setting. Candidates will become familiar with national and state standards, nation at risk statistics, community resources, technology, health literacy, and communication skills to encourage healthy children/adolescents.
Distribution: Advanced.

**HLTH 370 - Planning and Evaluation in Public Health Practice (3 credits)**
The course serves as an introduction to the means of assessing the need for health education, the planning of health education, and the evaluation of the effects of health education. It includes selection and development of appropriate instruments of assessment/evaluation of both Community and School Health, and the theoretical foundations and practical applications of planning for health education.
Distribution: Advanced | Level II Writing (W2). Prerequisite: ENGL 103; HLTH 105 or HLTH 230.

**HLTH 380 - Health Project and Grant Writing (3 credits)**
By the end of the course students will know how and where to collect qualitative and quantitative community data to plan needed health services, and a rational paradigm of community health project planning.
Students will have practical experience with laboratory exercises with community-based organizations.
Distribution: Advanced | Level II Writing (W2). Prerequisite: HLTH 105; ENGL 103: Writing Level II.

**HLTH 381 - Health Economics and Finance (3 credits)**
Students are acquainted with socioeconomic factors influencing the health care industry and the ways these factors influence health services development and health policy, regulation, and law. Students learn the history of health care financing in the United States and study comparative health systems and the effects of changing social and economic factors on the financing of health care.

**HLTH 382 - Health Ethics & Law (3 credits)**
The student learns how professional ethics and health law interrelate and how both influence the development and delivery of health services by governments and the private sector.
Distribution: Advanced. Prerequisite: HLTH 230 or HLTH 280 or POLS 160 or POLS 293.

**HLTH 386 - Pre-Practicum in Public Health Practice (3 credits)**
This guided early field experience is designed to introduce students to the application of health education skills in a supervised setting. This practicum provides an introduction to the various roles and competencies for health education in applied settings.
Distribution: Advanced. Prerequisite: HLTH 210 AND HLTH 230.
HLTH 401 - Public Health Preparedness (3 credits)
This course addresses public health preparedness and response to various natural disasters and emergencies, including, public health infrastructure, risk communication, chemical biological, nuclear, radiological and explosives terrorism threats and health policy and legislation.
Distribution: Advanced. Prerequisite: HLTH 210, or HLTH 230, or HLTH 240.

HLTH 405 - Non-Medical Healing Arts (1 credits)
This course examines the role of Osteopathy, Acupuncture, Faith Healing, and other health services which deviate from or compete with "Medicine" in relation to health education. The social and legal issues concerning these services, reliability of sources of information about the services, and the role of health education in utilization of these services are studied. Focus of the course will be on the development of guidelines for utilization of these services.
Distribution: Advanced.

HLTH 406 - Analysis of Health Information (1 credits)
This course is an overview of the use and misuse of statistics, the manipulation of human needs and drives, and the provision of false and misleading information by providers and suppliers of health products and services. All major sources of information related to consumer health will be examined for inherent biases and common forms of misinformation.
Distribution: Advanced.

HLTH 407 - Trends in Dieting (1 credits)
This course is a study of the issues surrounding popular health foods and diets. The desirable and undesirable qualities of "natural" and "organic" foods, "exotic" foods, and nutrient enriched foods are examined. The advantages and disadvantages of diets emphasizing specific nutrients or types of foods, crash diets, drug aided diets, and diets for specific purposes are also studied. Focus of the course is on development of guidelines for evaluating information and sources of information.
Distribution: Advanced.

HLTH 408 - Women's Health Concerns (3 credits)
This course is designed to address the unique health concerns of women in today's society. Specific topics such as alcoholism, anorexia nervosa, premenstrual syndrome (PMS), domestic violence, child abuse, rape, menopause and many others will be included.
Distribution: Advanced.

HLTH 409 - Health Counseling (1 credit)
The purpose of this course is to provide health professionals with an introduction to counseling theory and the skills of counseling techniques. The course emphasis is on the use of counseling techniques to improve the quality of healthcare, facilitate health-related decision-making, and enhance the relationships between client and the health professional. Health behavior theory will also be addressed.
Distribution: Advanced.

HLTH 410 - Life Cycle Nutrition (3 credits)
This course explores the life stages of pregnancy, infancy, childhood, adolescence, and older adulthood from the physiological, social and behavioral perspectives. The focus will be on the special nutritional needs of each life stage for optimal growth and development, maturation, aging and overall health and well being.
Prerequisite: HLTH 105 and HLTH 340.

HLTH 411 - Public Health Strategies (3 credits)
This course provides an examination of health education learning theory, curriculum design & resources, lesson planning and assessment, and teaching strategies of health concepts in community settings. Students plan, develop, and evaluate a health education promotion lesson.
Distribution: Advanced. Prerequisite: HLTH 230 and HLTH 370.

HLTH 412 - Computer Applications in Public Health (3 credits)
This course provides public health professionals with experience using selected software packages that are being used in public health practice to produce educational and social marketing materials, health messaging, develop surveys, create data field entries, analyze data, medical expenses, and other public health applications used in a variety of health organizations.
Distribution: Advanced. Prerequisite: CPSC 100; HLTH 230.

HLTH 415 - Determinants of Disease (3 credits)
This course will analyze the variables that impact the health of a population. It explores this dynamic by analyzing the multi-factorial relationship between diseases and biological, behavioral socioeconomic and cultural factors. Emphasis is placed on the role(s) health professionals play in addressing this complex relationship.
Distribution: Advanced. Prerequisite: BIOL 111 or BIOL 116/117; HLTH 105.

HLTH 421 - Advanced Emergency Care (3 credits)
The course will consist of advanced emergency procedures including CPR during transportation, shallow water rescue and emergency measures in cervical (neck) and back injuries, extrication from an automobile, and proper procedures in the administration of oxygen to a victim of an accident or sudden illness. There is also the opportunity to become certified in advanced emergency care and as an emergency Medical Technician.
Distribution: Advanced. Prerequisite: HLTH308.

HLTH 430 - Public Health Nutrition (3 credits)
The purpose of this course is to provide the knowledge and tools necessary for future public health practitioners to assist public and private agencies with nutrition program development, implementation and evaluation.
Distribution: Advanced. Prerequisite: Advanced standing of 60 credits.

HLTH 431 - Student Teaching in Health Education (5 - 12 credits)
This experience consists of a semester of guided teaching experience in school health education both in an elementary and secondary placement. This field experience is designed to provide the candidate with the opportunity to develop and refine knowledge, skills and dispositions needed in a PK-12 setting. This experience focuses on candidates implementing units of instruction that are developmentally appropriate and provide a positive and effective learning experience for all learners.
Distribution: Advanced. Prerequisite: PSED150 AND PSED250 AND REED350.

HLTH 432 - Death and Dying (3 credits)
This course investigates the phenomenon of death and dying with the focus on the development of reinforcement of healthy attitudes, values, and behaviors.
Distribution: Advanced.

HLTH 440 - Modifying Health Behaviors (3 credits)
This course is an overview of the major theoretical models used in public health for modifying health behaviors. This course examines efficacy of interventions in relation to current practices in public health. Best practices and applications of theory-driven health behavior change are studied within the context of community-based settings. The focus of the class is to identify the critical factors necessary to create health behavior changes in order to address the Center for Disease Control and Prevention revised "Healthy People" goals and objectives.
Distribution: Advanced. Prerequisite: HLTH 105 and HLTH 230.

HLTH 442 - Human Sexuality and Reproductive Health (3 credits)
This course provides a comprehensive overview and analysis of human sexuality and reproductive health as it relates to information, perceptions, and behaviors. The course explores various sexuality education paradigms
and theories. Historical influences and cultural variation, the development of sex roles and their influence on sexual behavior will also be discussed. The development toward a positive physical, emotional and social viewpoint of sexuality will be emphasized.

Distribution: Advanced. Prerequisite: SOC 111, BIOL 111.

HLTH 444 - Health Promotion Programs and Aging (3 credits)
This course will emphasize health promotion programming for elderly populations. Social and demographic factors will be addressed in regard to health education's role in the aging process. Healthful aging will be examined and discussed from a public health and school health perspective with a primary focus on developing and implementing programs that enhance the health of the elderly.

Distribution: Advanced.

HLTH 450 - Public Health Nutrition (3 credits)
The purpose of this course is to provide the knowledge and tools necessary for future public health practitioners to assist public and private agencies with nutrition program development, implementation and evaluation.

Distribution: ADVD. Prerequisite: Advanced standing of 60 credits.

HLTH 460 - Community Health Organizations (3 credits)
This course is designed to investigate the theories, principles, and practices of community organizations for health, techniques of group work, current research in community organizations, and examination of programs of community health agencies.

Distribution: Advanced. Prerequisite: HLTH230.

HLTH 461 - Methods in Health Education (3 credits)
This course is designed to prepare the future teacher in methods for presenting health concepts to the elementary and secondary student. It focuses on using standard-based instructional framework in order to provide developmentally appropriate instruction and assessments for all learners.

Distribution: Advanced | Level III Writing (W3). Prerequisite: HLTH462 and PETE 343.

HLTH 462 - Assessment in School Health Education (3 credits)
This course is designed to provide the school health education candidate with the knowledge, dispositions and skills to assess the impact of health education on PK-12 student learning. Various types and methods of student assessment will be explored and practiced to create a learning environment that is supportive for all student success. The candidate will be provided the opportunity to participate in a professional development school experience to demonstrate assessment skills.

Distribution: Advanced. Prerequisite: HLTH461.

HLTH 470 - Global Public Health (3 credits)
The course is designed to familiarize the student with international health problems and the social, physical, emotional, and spiritual complexities related to changing health status. Emphasis is placed on how change instituted for improvement of physical health may positively or negatively affect the total well being of people. Examination of international health organizations and programs is included.

Distribution: Advanced | Information Literacy/Technology (I).

HLTH 482 - Health Leadership and Strategic Management (3 credits)
This course familiarizes students with theories of personnel supervision, leadership style, and the application of behavioral sciences and techniques of strategic planning in organizational development and work group behavior, and different modes of administrative decision making.

Distribution: Advanced.

HLTH 485 - IS: (1 - 6 credits)
With the guidance of a faculty member of the Health Department, the student pursues a pattern of readings, study, and research related to professional knowledge and understanding in health science. Topics should be established prior to enrollment.

Distribution: Advanced.

HLTH 486 - Field Experience & Internship (1 - 15 credits)
With the guidance of a faculty member of the Health Department, the student pursues a pattern of readings, study, and research related to professional knowledge and understanding in health science. Topics should be established prior to enrollment.

Distribution: Advanced. Prerequisite: HLTH 230 and HLTH 386.

HLTH 499 - School Health Education Internship (1 credits)
This course is designed to provide the candidate with an opportunity to work with a Health Education Content Specialist during the student teaching experience. The course will enhance the candidate's ability to understand and maximize the relationship between the disciplinary subject matter and pedagogy. The candidate will implement units of instruction that are supportive of all students.

Distribution: Advanced. Prerequisite: HLTH431 AND PETE440.
History B.A. -
Secondary Education Social Studies Certification

PROGRAM FEATURES

129 credits

Bachelor of Arts requirements in History (37 credits):

Two of the following:
HIST 111 GN: World History to 1500 3
HIST 112 GE: Modern World Civilization, 1300-1914 3
HIST 113 GN: World History since 1500 3

Two of the following:
HIST 141 GN: United States History to 1877 3
HIST 142 The United States as a Developing Nation in the 19th Century 3
HIST 143 GN: United States History since 1877 3

One of the following:
HIST 272 GN: Modern European History 3
HIST 281 GE: The Third Reich–Hitler 3
HIST 371 Medieval and Renaissance Europe, 500-1500 3
HIST 382 GE: Modern Britain 3
HIST 473 Modern Germany 3

One of the following:
HIST 115 GN: History Non-Western World 3
HIST 313 GE: China: History & Politics 3
HIST 314 GE: Japan & Rimland East Asia 3
HIST 330 South Asia 3
HIST 343 The Middle East 3
HIST 363 Modern Latin America 3
HIST 352 History of Pennsylvania 3
HIST 390 Seminar I: Introduction to Historical Methodology 3
HIST 495 Seminar: Historical Research and Presentation 3
HIST 499 Student Teaching Internship 1

Nine additional credits in History.

Required Social Science courses (21 credits):
POLS 111 GN: Principles of Political Science 3
one POLS elective (200-level or above) 3
ECON 111 GN: Principles of Macroeconomics 3
SOC 111 GN: Introduction to Sociology 3
GEOG 130 GN: World Regional Geography 3
ECON 112 GN: Principles of Microeconomics 3
SOC 102 GN: Introduction to Cultural Diversity 3

POLS Elective: (200 level or above)

Required Education courses (36 credits):
PSED 150 Introduction to Teaching All Students 6
PSED 250 The Psychology of Learners In Diverse Communities 3
REED 350 Teaching Reading to Communities of Diverse Learners 3
SPED 350 Assessment of Student Learning and Behavior in Diverse Communities 3
PSED 420 Seminar in Secondary Education I: Instructional Structures and Strategies 3
PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom 3
PSED 430 Student Teaching in Secondary Education/ Middle School/High School 6

PSED 431 Student Teaching in Secondary Education/ Senior High School 6
PSED 458 Teaching of Social Studies in the Secondary Schools 3

Additional Requirements:
All Social Studies Certification students must take:
PSY 100 GN: General Psychology 3
two Math courses and one English Literature course.

4 YEAR CURRICULUM PROGRAM PLAN

Freshman Year Fall
HIST 141 GN: United States History to 1877 3
OR
HIST 142 The United States as a Developing Nation in the 19th Century 3
ENGL 103 English Composition 3
HIST 111 GN: World History to 1877 3
OR
HIST 112 GE: Modern World Civilization, 1300-1914 3
PSED 150 Introduction to Teaching All Students 6

Subtotal: 16

Spring
HIST 143 GN: United States History since 1877 3
HIST 113 GN: World History since 1500 3
MATH Math Elective 3
GN: General Education - Arts and Letters 3
FIT Elective 1

Subtotal: 16

Sophomore Year Fall
PSED 250 The Psychology of Learners In Diverse Communities 3
ENGL English Literature 3
HIST HIST European Requirement 3
GN: General Education - Natural Science 3
POLS 111 GN: Principles of Political Science 3

Subtotal: 15

Spring
HIST HIST Elective 3
SOC 111 GN: Introduction to Sociology 3
ECON 111 GN: Principles of Macroeconomics 3
PSY 100 GN: General Psychology 3
GN: General Education - Arts and Letters 3
MATH Math Elective 3

Subtotal: 18

Junior Year Fall
HIST 390 Seminar I: Introduction to Historical Methodology 3
HIST HIST Elective (Non Western) 3
REED 350 Teaching Reading to Communities of Diverse Learners 3
GEOG 130 GN: World Regional Geography 3
GN: General Education - Arts and Letters 3
GenEd General Education - Arts and Letters 3

Subtotal: 18

Spring
HIST 352 History of Pennsylvania 3
HIST HIST Elective 3
SPED 350 Assessment of Student Learning and Behavior in Diverse Communities 3

More detailed career information is available from the department.
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 112</td>
<td>GN: Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOC 102</td>
<td>GN: Introduction to Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>PSED 420</td>
<td>Seminar in Secondary Education I: Instructional Structures and Strategies</td>
<td>3</td>
</tr>
<tr>
<td>POLS ______</td>
<td>Political Science Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 18

**Senior Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 495</td>
<td>Seminar: Historical Research and Presentation</td>
<td>3</td>
</tr>
<tr>
<td>HIST ______</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSED 421</td>
<td>Seminar in Secondary Education II: Teaching</td>
<td>3</td>
</tr>
<tr>
<td>PSED 458</td>
<td>Teaching of Social Studies in the Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>GN: ______</td>
<td>General Education - Natural Science</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal:** 15

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 499</td>
<td>Student Teaching Internship</td>
<td>1</td>
</tr>
<tr>
<td>PSED 430</td>
<td>Student Teaching in Secondary Education/ Middle School/Junior High School</td>
<td>6</td>
</tr>
<tr>
<td>PSED 431</td>
<td>Student Teaching in Secondary Education/ Senior High School</td>
<td>6</td>
</tr>
</tbody>
</table>

**Subtotal:** 13

---

**History B.A.**

**Concentration: American and World**

**PROGRAM FEATURES**

36 credits

**Required courses:**

- 6 credits
  - HIST 390 Seminar I: Introduction to Historical Methodology | 3
  - HIST 495 Seminar: Historical Research and Presentation | 3

**one of the following:**

- 3 credits
  - HIST 111 GN: World History to 1500 | 3
  - HIST 113 GN: World History since 1500 | 3

**one of the following:**

- 3 credits
  - HIST 141 GN: United States History to 1877 | 3
  - HIST 143 GN: United States History since 1877 | 3

**one of the following:**

- 3 credits
  - HIST 272 GN: Modern European History | 3
  - HIST 350 Evolution Of Western Capitalism | 3

**one of the following:**

- 3 credits
  - HIST 371 Medieval and Renaissance Europe, 500-1500 | 3
  - HIST 372 Reformations and European Wars of Religion | 3
  - HIST 382 GE: Modern Britain | 3

**9 additional semester hours:**

- HIST ______ Nine additional semester hours in History | 9

**Required courses from other departments:**

- POLS 111 GN: Principles of Political Science | 3
  - POLS 120 GN: American Government | 3
  - POLS ______ Political Science elective 200 level or above | 3
  - ECON 111 GN: Principles of Macroeconomics | 3
  - SOC 111 GN: Introduction to Sociology | 3
  - PSY 100 GN: General Psychology | 3
  - GEOG 110 GN: Cultural Geography | 3
  - GEOG 120 GN: Physical Geography | 3
  - GEOG 130 GN: World Regional Geography | 3
  - ECON 112 GN: Principles of Microeconomics | 3
  - SOC 102 GN: Introduction to Cultural Diversity | 3
  - PSED 161 Foundations of Education | 3
  - PSED 250 The Psychology of Learners In Diverse Communities | 3
  - PSED 420 Seminar in Secondary Education I: Instructional Structures and Strategies | 3
  - PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom | 3
  - PSED 430 Student Teaching in Secondary Education/ Middle School/Junior High School | 6

---

**Additional Requirements:**

- Twenty-one credits of this total must be completed at ESU.
- Fifteen credits must be 300/400 level courses.
Accelerated Pathway from B.A. in History to M.A. in History

Accelerated Pathway: History students may complete an accelerated pathway through the Bachelor of Arts (BA) in History to Master of Arts (MA) in History. This accelerated pathway allows qualified undergraduate students to take up to six (6) graduate credits of coursework that will apply to both the undergraduate and graduate degrees.

To qualify for the History accelerated pathway a student must have earned at least ninety (90) undergraduate credits and have an overall GPA of 3.00. Students will need to obtain the approval of the History Department Chair and the History graduate program coordinator to participate in the accelerated pathway.

Students in the accelerated pathway can take no more than three (3) graduate credits per semester.

Additional Requirement: A student must have obtained a grade of “B” or higher in the graduate course in order for it to count towards the graduate degree program, while a grade of “C” or higher is necessary in order for it to count towards the undergraduate degree program.

History Minor

PROGRAM FEATURES

18 credits

Required courses:
At least one course in each of three areas: United States History, European History, and Area Studies/World History; nine additional credits of History.

Note: Nine credits of coursework must be at 300-400 level.

History Faculty

Professors:
Christopher Brooks (cbrooks@esu.edu)
Shannon Frystak (sfrystak@esu.edu)
Michael Gray (mpgray@esu.edu)

Associate Professors:
Christopher Dudley (cdudley@esu.edu)
Erin O’Donnell (eodonnell@esu.edu)

Assistant Professor:
Don Delligliscoll, Chair (ddelligliscoll@esu.edu)

HIST - History Courses

HIST 111 - GN: World History to 1500 (3 credits)
This course focuses on world history from the beginning of recorded history in the first cultures and civilizations to 1500. Particular attention will be given to the historical interconnections of global societies in their initial and ongoing stages of political, economic, religious, cultural and philosophical development up to the early modern era.

Distribution: GE: Social Sciences - History | GN: Group C - History (CHI) | Global Diversity & Citizenship (G).

HIST 112 - GE: Modern World Civilization, 1300-1914 (3 credits)
This course acquaints students with the history of Europe, Asia, Latin America, and Africa.

Distribution: GE: Social Sciences - History.

HIST 113 - GN: World History since 1500 (3 credits)
This course covers the history of the world from 1500 to the present, a period of increasing global contact, interaction, and conflict. It emphasizes themes associated with the major changes of the period: globalization, imperialism, industrialization, and revolution.

Distribution: GE: Social Sciences - History | GN: Group C - History (CHI) | Global Diversity & Citizenship (G).

HIST 115 - GN: History Non-Western World (3 credits)
This course traces developments in Asia, Africa, and Latin America from the colonial era to independence. Special emphasis is given to the diverse cultures in the non-western world and their interaction with the west.

Distribution: GE: Social Sciences - History | GN: Group C - History (CHI) | Global Diversity & Citizenship (G).

HIST 141 - GN: United States History to 1877 (3 credits)
This course will guide students from American colonization and the Revolutionary era into the founding of the Federal Republic and through Jacksonian Democracy, sectional compromise and conflict, culminating with the Civil War and Reconstruction. Strong emphasis will be placed on political problems, economic development, social changes, immigration, western expansion and military conflicts.

Distribution: GE: Social Sciences - History | GN: Group C - History (CHI) | Global Diversity & Citizenship (G).

HIST 142 - The United States as a Developing Nation in the Nineteenth Century (3 credits)
This course is a study of continued growth of the federal republic from the age of Jackson to the end of the century with particular attention to political problems, economic development, social changes, the Civil War and growing industrialization, culminating with the emergence of the United States as a world power.

Distribution: GE: Social Sciences - History.

HIST 143 - GN: United States History since 1877 (3 credits)
This course is an overview of the history of the United States from the Reconstruction through the 20th Century. This course studies significant eras in American history such as Industrialization, Populism, the Progressive Era, WW I and the New Imperialism, the Great Depression and the New Deal, WW II, the Cold War, the Modern Civil Rights Movement, the “sixties,” and the Conservative Resurgence and rise of the New Right at the end of the 20th Century.

Distribution: GE: Social Sciences - History | GN: Group C - History (CHI) | Global Diversity & Citizenship (G).

HIST 230 - South Asia (3 credits)
This is a study of Western Culture traditions in the Middle East and the rise and fall of the Greco-Roman World with special emphasis on political institutions, intellectual ideas, religious, artistic and literary achievements.

HIST 241 - GE: American Colonial History (3 credits)
This course is an in-depth study of the colonial period. It stresses developments that later contributed to the growth of the United States.

Distribution: GE: Social Sciences - History. Prerequisite: HIST112 OR HIST141.

HIST 253 - GE: Women in American History (3 credits)
This course is a study of the role of women in American history from colonial times to the present.
HIST 272 - GN: Modern European History (3 credits)
This course presents modern Europe from the era of the Enlightenment through nineteenth-century revolutions, World War I, the rise of Bolshevism and Fascism, World War II, the Cold War, NATO and the Warsaw Pact, the political and economic impact and historical implications of those earlier events on the development of the EU.
Distribution: GE: Social Sciences - History; GN: Group C - History (CHI) Global Diversity & Citizenship (G).

HIST 278 - GE: History of Everyday Life (3 credits)
This course explores changes in the everyday activities of common people. It deals with leisure, entertainment, sports, health, sexual mores, popular religion, urban and suburban life, non-elite mass media, the social effects of modern transportation, and other selected topics.
Distribution: GE: Social Sciences - History.

HIST 281 - GE: The Third Reich--Hitler (3 credits)
This is an interpretive survey of Europe during the Hitler era centered on the history of Nazi Germany. Topics covered include the origins of National Socialism, Adolf Hitler, Nazi political and social revolutions, the S.S. terror system, the Nazi “new order” in Europe, the Holocaust, and the Nuremberg Trials.
Distribution: GE: Social Sciences - History; Advanced. Prerequisite: HIST 112 or HIST 113.

HIST 290 - Special Topics: (Semester hours arranged)
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

HIST 313 - GE: China: History & Politics (3 credits)
This is a study of China since traditional times examining political, cultural, and economic aspects of its society up to the present and its influence on East Asia and the world. A companion to HIST 314.
Distribution: GE: Social Sciences - History; Advanced.

HIST 314 - GE: Japan & Rimland East Asia (3 credits)
This course presents the historical and cultural evolution of Japan, Korea, and the nations of Southeast Asia and their contemporary government and society. This is a companion course to HIST 313.
Distribution: GE: Social Sciences - History; Advanced.

HIST 320 - Introduction to Public History (3 credits)
The focus of this area of study is to promote the subject of public history as a way of offering a new dimension to the study of history. Public history will be examined through the exploration of the role of museums and historic sites, and by studying their purposes, practices and relationships to the scholar and classroom educator.
Distribution: Advanced.

HIST 321 - African-American History to 1865 (3 credits)
The focus of this area of study is to promote the subject of public history as a way of offering a new dimension to the study of history. Public history will be examined through the exploration of the role of museums and historic sites, and by studying their purposes, practices and relationships to the scholar and classroom educator.
Distribution: Advanced.

HIST 322 - African-American History since 1865 (3 credits)
This course examines the African-American narrative from the Reconstruction era through the Modern Civil Rights movement to the present day. Emphasis is placed on black social and political thought and action. Topics covered include the role of black intellectuals, black working-class politics, the Great Migration, Pan-Africanism, black radicalism, black feminism, and the various issues confronting the black community in the 21st Century.
Distribution: Advanced. Prerequisite: HIST143.

HIST 323 - Gilded Age & Progressive Era (3 credits)
This course explores the major themes and issues in American history from the end of Reconstruction to the United States entry into World War I (1877 to 1917). Some of the topics covered in this course will be industrialization and its impact on the United States, the populace and progressive movements, how the United States became an imperial power and how questions of race and ethnicity shape American culture and politics.
Distribution: Advanced. Prerequisite: HIST142 OR HIST143.

HIST 324 - The Middle East (3 credits)
This is an introductory survey of ancient civilization and an intensive study of growth and effects of colonialism and imperialism. Emphasis is placed on cultural backgrounds and the revolutionary nationalism of the modern period, and discussion of contemporary events. This course is also listed as POLS 343.
Distribution: Advanced.

HIST 326 - History of the Civil Rights Movement in America (3 credits)
This course examines, in depth, the modern black struggle for equality in the United States. Attention will be devoted to the legislative, social, economic, and political aspects of the movement from the perspective of those at the grassroots as well as the national levels.
Distribution: Advanced. Prerequisite: HIST143.

HIST 330 - South Asia (3 credits)
This course examines the social, political, and cultural history of the South Asian subcontinent in the modern period. Topics discussed will include the establishment and consequences of foreign rule, the rise of nationalism and the partition of the subcontinent.
Distribution: Advanced. Prerequisite: HIST111 OR HIST112 OR HIST113 OR HIST115.

HIST 341 - GE: US Military History (3 credits)
This course is a study of the development of American military institutions, policies, and traditions from colonial times to the present. Emphasis is on the strategic and tactical deployment of our armed forces in war and peace.
Distribution: GE: Social Sciences - History; Advanced. Prerequisite: HIST141 OR HIST142 OR HIST143 OR HIST144.

HIST 342 - Civil War & Reconstruction (3 credits)
This course examines the major events, battles, and leaders of the Civil War, Union and Confederate, and the outcome of the conflict. The Reconstruction period is studied with emphasis on the political, social, and economic conflicts of the era and the reasons for the failure of Reconstruction.
Distribution: Advanced. Prerequisite: HIST141 OR HIST142.

HIST 343 - The Middle East (3 credits)
This course is a study of the movement of the American Frontier from colonial times to 1890. Emphasis is placed on the impact of the changing frontier on Native Americans, westward expansion, the development of
the various forms of transportation, and the environmental factors which contributed to the rise of the conservation movement.

Distribution: Advanced. Prerequisite: HIST141 OR HIST142 OR HIST143 OR HIST144.

HIST 346 - GE: History of Urban America (3 credits)
This course provides an examination of the growth and transformation of the American city from the colonial period to the present; attention focuses on the evolution of political and economic institutions, social change, technological innovations, planning theories, and reactions of sensitive observers to the process of urbanization as expressed in imaginative literature and scholarly studies.

Distribution: GE: Social Sciences - History; Advanced. Prerequisite: HIST141 OR HIST142 OR HIST143 OR HIST144.

HIST 347 - GE: American Business History (3 credits)
This course traces the growth and development of American business from the late 18th century to the present. Emphasis is placed on the transportation revolution, labor, technology, the impact of the Civil War, modern industrialization, trusts and antitrust movements, unionization, the Great Depression, World War II, and the problems of contemporary business.

Distribution: GE: Social Sciences - History; Advanced. Prerequisite: HIST141 OR HIST142 OR HIST143 OR HIST144.

HIST 348 - History of Pennsylvania (3 credits)
This course will cover the development of Pennsylvania from the period of exploration and colonization to the present and its inter-relationships with the rest of the country.

Distribution: Advanced. Prerequisite: HIST141 OR HIST142 OR HIST143 OR HIST144.

HIST 349 - Labor History and Industrial Relations (3 credits)
This course examines the roles of labor and management in industrial relations with special references to labor history, wage-rate determination, collective bargaining, and government intervention into labor relations. The implications of the changing structure of the American economy are analyzed.

Distribution: Advanced. Prerequisite: ECON111 OR ECON112 AND HIST141 OR HIST142 OR HIST143 OR HIST144.

HIST 360 - Latinos in Modern America (3 credits)
This course explores the historical experiences of the peoples from Latin America and the Spanish-speaking Caribbean, and those of their descendants, in the modern United States. The focus of the course will be to compare and contrast the twentieth-century experiences of the four largest Latino populations: those who can trace their heritage to Mexico, Puerto Rico, Cuba and the Dominican Republic.

Distribution: Advanced. Prerequisite: HIST143 OR HIST144.

HIST 361 - Colonial Latin America (3 credits)
This course examines the history of Latin America during the colonial era. It traces the Iberian conquest and colonization, the emergence of colonial societies, and the end of colonial rule in the early nineteenth century. The course focuses on such key themes as religious conversion, slavery, racial and gender relations, reform, and revolution.

Distribution: Advanced. Prerequisite: HIST111 OR HIST112 OR HIST113 OR HIST141.

HIST 362 - Modern Latin America (3 credits)
This course provides an examination of modern Latin America. It focuses on the process of nation-building during the nineteenth century and the rise of reformist, revolutionary and military movements in the twentieth century. The course places emphasis on selected themes such as gender and racial relations, populism, liberalism, revolution, and democracy.

Distribution: Advanced. Prerequisite: HIST111 OR HIST112 OR HIST113 OR HIST115.

HIST 363 - Medieval and Renaissance Europe, 500-1500 (3 credits)
This course traces the history of Europe from the fall of the Roman Empire to the Reformation. Topics covered include origins of the European States, the feudal system, Church-State relations, international relations, origins of the universities, scholasticism, literature and arts, the Renaissance of the 14th and 15th centuries.

Distribution: Advanced. Prerequisite: HIST111 OR HIST112.

HIST 371 - Reformations and European Wars of Religion (3 credits)
This course examines religious change and conflict in early modern Europe (1500 to 1700) with the goal of explaining the development of modern relationships among religion, society, and the state. Topics include the theological reforms of Luther, Calvin, and the Council of Trent; social conflict surrounding these new ideas; and the wars of religion, especially civil wars in France, Germany, and England and the Thirty Years War.

Distribution: Advanced. Prerequisite: HIST111 OR HIST112 OR HIST141.

HIST 372 - GE: Modern Britain (3 credits)
This course stresses the growth of modern industrial Britain from 1760 with emphasis on social and economic factors of growth, the position of Britain as a world power, the development of the cabinet system, and the emergence of modern social and political reform, including the welfare state. Britain's role in world affairs is analyzed along with her changing status in contemporary Europe.

Distribution: GE: Social Sciences - History; Advanced. Prerequisite: HIST112 OR HIST113 OR HIST141 OR HIST142 OR HIST144.
HIST 383 - Modern European Revolutions (3 credits)
This course compares two great European revolutions, the French Revolution that began in 1789 and the Russian Revolution that began in 1917, in order to explain the dynamics of modern revolutions in general. It proceeds topically, examining similar issues from the two revolutions side-by-side to facilitate comparison.
Distribution: Advanced. Prerequisite: HIST112 OR HIST113.

HIST 384 - The Third Reich - from Hitler to Holocaust (3 credits)
This is an interpretive survey of Europe during the Hitler era centered on the history of Nazi Germany. Topics covered include the origins of National Socialism, Adolf Hitler, Nazi political and social revolutions, the S.S. terror system, the Nazi “new order” in Europe, the Holocaust and the Nuremberg Trials.
Distribution: GE: Social Sciences - History Advanced. Prerequisite: HIST112 OR HIST113.

HIST 390 - Seminar I: Introduction to Historical Methodology (3 credits)
This course is required of History majors who have completed 12 credits in history. It is writing intensive and introduces basic research techniques in primary and secondary sources. The course also surveys historical literature and examines conflicting historical interpretations and approaches. For History majors only.
Distribution: Information Literacy/Technology (I) | Level II Writing (W2) | Advanced. Prerequisite: ENGL 103.

HIST 401 - Political Correctness History (3 credits)
This course is a study of the ideological origins of political correctness. Topics include the history of thinking in the latter twentieth century (e.g. neomarism, post-structuralism, post-modernism, deconstructionism) and how this manner of thinking became commonplace in public discourse.
Prerequisite: Two of the following HIST141, HIST143, HIST272.

HIST 441 - Diplomatic History US to 1900 (3 credits)
This course focuses on the emerging political units created as a result of the break up of the Soviet Union. Students will examine the causes, nature, and course of the Soviet collapse, the challenges of the successor states, and the consequences of this major historical development for the post-cold war world. This course is also listed as POLS 424.
Distribution: Advanced.

HIST 473 - Modern Germany (3 credits)
This course studies the Napoleonic impact, the Prussian reform movement, romanticism, liberalism, and nationalism in Germany, the Revolutions of 1848, the age of Bismarck, the Wilhelminian period, World War I, the Weimar Republic, the Nazi revolution, World War II, and the post-war era. Emphasis is on political, cultural, and economic changes, 1789 to the present.
Distribution: Advanced.

HIST 485 - IS: (3 credits)
Independent study is designed to provide in-depth coverage of subject matter not covered in courses offered by the Department and must be justified to meet a specific need. A student wishing to take independent study should discuss the plan first with his/her adviser and then with a member of the Department. If a faculty member agrees to supervise the study, the proposal will be submitted to the chair of the Department. The chair, after acting on the proposal, shall present it to the Department for action. It will then be transmitted to the dean of the college.
Distribution: Advanced.

HIST 486 - Field Experience & Internship (1 - 15 credits)
Independent study is designed to provide in-depth coverage of subject matter not covered in courses offered by the Department and must be justified to meet a specific need. A student wishing to take independent study should discuss the plan first with his/her adviser and then with a member of the Department. If a faculty member agrees to supervise the study, the proposal will be submitted to the chair of the Department. The chair, after acting on the proposal, shall present it to the Department for action. It will then be transmitted to the dean of the college.
Distribution: Advanced.

HIST 495 - Seminar: Historical Research and Presentation (3 credits)
This course is required of seniors majoring or minoring in history. Students must write and defend a research paper that shows a grasp of historical logic and exposition. The course also covers historiography and the major schools of historical thought.
Distribution: Information Literacy/Technology (I) | Level III Writing (W3) | Advanced. Prerequisite: ENGL 103.

HIST 499 - Student Teaching Internship (1 credit)
This course is designed to provide the student with an opportunity to work with a faculty member in the student’s primary Arts and Sciences discipline during the student teaching experience. The course will enhance the student’s ability to understand and maximize the relationship between disciplinary subject matter and pedagogy.
Distribution: Advanced. Prerequisite: PSED430 OR PSED431.

Hotel, Restaurant and Tourism Management
College of Business and Management
Department of Hospitality, Recreation & Tourism Management
Gessner Building
570-422-3511
www.esu.edu/hrtm

About the Program
The travel and tourism industry is one of the largest, most dynamic industries in the world. Students in the Hotel, Restaurant and Tourism Management program are introduced to this exciting industry and will be prepared to enjoy a successful career in the hospitality industry. The Hotel, Restaurant and Tourism Management program offers a Bachelor of Science degree. All courses are taught by faculty who combine excellent academic credentials with a strong professional background. The Hotel, Restaurant and Tourism Management program is further enhanced through industry opportunities supported by the hospitality industry. Students participate in hotel and restaurant shows, tour hospitality facilities, interact with industry professionals, attend career days, and conduct special projects for the industry. Students are encouraged to participate in department activities.
Students are required to complete an internship in the hospitality industry. The faculty supervised internship provides each student the opportunity to apply the knowledge gained from their coursework in a professional industry setting. Students are encouraged to select an internship that meets their individual learning objectives. Information concerning internship and career opportunities may be acquired by contacting the Hotel, Restaurant and Tourism Management program.

Are you interested in ...
• Coordinating and planning events
• Organizing and directing resources
• Promoting and marketing an event
• Multitasking
• Working with people
• National and international travel

Choose Hotel, Restaurant and Tourism Management at ESU
• Small class size
• Internationally accredited program
The department also hosts a chapter of Eta Sigma Delta, the Institutional Food Service.

Amusement Parks
Convention Centers
Country Clubs
Restaurants
Resorts
Casinos
Airlines
Cruise Lines
Country Clubs
Catering Director
Event Planner
Tourism Director
Conference/Convention Coordinator

More detailed career information is available from the department.

Career Settings
Hotels
Casinos
Restaurants
Country Clubs
Convention Centers
Airlines
Cruise Lines
Amusement Parks
Institutional Food Service

Transfer Students
Many students transfer from community colleges and other universities. We welcome your inquiries. More information about credit and course transfers is available from the Office of Admissions, 877-230-5547.

Hotel, Restaurant and Tourism Management B.S.

PROGRAM FEATURES
60 credits

Required Courses
HRTM 101 Introduction to Hospitality & Tourism Management 3
HRTM 211 Principles of Food & Beverage Management 3
HRTM 232 Principles of Travel & Tourism Management 3
HRTM 411 Restaurant Operations Management 3
HRTM 421 Hospitality & Tourism Training & Staff Development 3
HRTM 431 Hospitality & Tourism Strategic Market Planning 3
HRTM 441 Hospitality & Tourism Financial Management 3
HRTM 486 Hospitality & Tourism Internship 9
HRTM 489 Contemporary Legal & Ethical Aspects of Hospitality & Tourism Management 3
HRTM 491 Seminar in Hospitality & Tourism Management 3

Corequisites
MGT 211 Financial Accounting Fundamentals 3

Electives
9 credits (6 credits must be 300 or 400 level)
HRTM 261 Club Management 3
HRTM 271 Casino Management 3
HRTM 290 Special Topics: Semester hours arranged 3
HRTM 311 Haute Cuisine and Oenology 3
HRTM 334 Tourism Destinations 3
HRTM 335 Perspectives of International Tourism 3
HRTM 336 Community Tourism Development 3
HRTM 351 Hospitality & Tourism Information Systems 3
HRTM 371 Hotel Development & Design 3
HRTM 391 Hospitality Purchasing 3
HRTM 432 Tour Planning & Management 3
HRTM 436 Meeting and Convention Planning and Management 3
HRTM 439 Touring Abroad 3

Direct General Education Courses
CMST 111 GN: Introduction to Communication 3
ML _ Modern Language 3
CPSC 100 GN: Personal Computers and Their Uses 3
MATH 110 GN: General Statistics 3
PSY 100 GN: General Psychology 3
ECON 111 GN: Principles of Macroeconomics 3
ECON 112 GN: Principles of Microeconomics 3
SOC 111 GN: Introduction to Sociology 3

Additional requirements
Majors must attain an overall quality point average of not less than 2.5 for enrollment in HRTM 486 and graduation.

4 YEAR CURRICULUM PROGRAM PLAN
(Subject to change by university without notice)

Freshman Year Fall
HRTM 101 Introduction to Hospitality & Tourism Management 3
CPSC 100 GN: Personal Computers and Their Uses 3
ENGL 103 English Composition 3
SOC 111 GN: Introduction to Sociology 3
GenEd __ General Education elective 3
Subtotal: 15

Spring
HRTM 232 Principles of Travel & Tourism Management 3
HRTM 241 Principles of Lodging Management 3
ECON 111 GN: Principles of Macroeconomics 3
PSY 100 GN: General Psychology 3
MATH 110 GN: General Statistics 3
Subtotal: 15

Sophomore Year Fall
HRTM 211 Principles of Food & Beverage Management 3
HRTM 321 Hospitality & Tourism Human Resources 3
CMST 111 GN: Introduction to Communication 3
HRTM credits taken at ESU are required. A minimum "C" grade is required in all minor courses. A minimum of 12 credits is required.

**Program Features:**

**HRTM - Hotel, Rest & Tourism Mgmt Courses**

1. **HRTM 100 - Fundamentals of Data Analytics (3 credits)**
   This course examines data analytics practices in the business world. Students will be exposed to the analytical process, how data is created, stored, accessed, and how business entity work and create to create an analytical environment.

2. **HRTM 101 - Introduction to Hospitality & Tourism Management (3 credits)**
   This course introduces the student to the scope, structure, historical development and current trends in the fields of hospitality administration and tourism management. The course includes an initial investigation into the requirements and responsibilities of a manager, the techniques used by managers, and career opportunities in the hospitality and tourism industries.

3. **HRTM 201 - Principles of Event Management (3 credits)**
   This course is an introduction to the researching, planning, executing, marketing, budgeting, and evaluating of events. The course will explore the theories and practices associated with successful for-profit and not-for-profit events.

4. **HRTM 205 - Data Wrangling (3 credits)**
   This course provides an intermediate application on hospitality data sets using SAS software. Students will develop programming and statistical computing skills to address data management and advanced application in hospitality operation and data management. Upon completion of the course, students will be able to achieve the requirements of base SAS certificate in SAS basic programming, data cleaning, data visualization, result presentation, and low level statistics analyses.

   Prerequisite: HRTM101.

5. **HRTM 211 - Principles of Food & Beverage Management (3 credits)**
   The culinary or skill development component focuses on accurate measurement, portion controls, recipe production, product yields, and inventory methods. Basic principles of serving safe, wholesome, tasty food to customers in food service operations through a systems approach to sanitation management provides students with the nationally recognized HACCP (hazard analysis critical control point) organization and safe food certification.

   Prerequisite: HRTM101.

6. **HRTM 212 - Menu Planning and Presentation (3 credits)**
   This course is designed to develop the student’s knowledge of menu preparation, item presentation and the concepts of theme, color, and decor in menu development. Various control systems necessary for profitability and quality are examined including the menu as a cost control and marketing tool; sales mix analysis; recipe costing; pricing theories and methodology.

   Prerequisite: HRTM211.

7. **HRTM 232 - Principles of Travel & Tourism Management (3 credits)**
   This course is designed for students to gain an understanding of the basic principles and practices of the tourism industry.

   Prerequisite: HRTM 101.

8. **HRTM 241 - Principles of Lodging Management (3 credits)**
   This course is the study of the service function as it relates to the lodging industry. It is the study of front office management and housekeeping operations. This course is the study of the service function as it relates to the lodging industry. It is the study of front office management and housekeeping operations.
management as they relate to the total lodging organization. Topics include structure of the front office, room reservations, price structures, accounting procedures, staffing schedules, responsibilities of housekeeping, and training of employees as they apply to the lodging industry.
Prerequisite: HRTM 101.

**HRTM 261 - Club Management (3 credits)**
An overview of Club Management industry with emphasis on the analysis of country clubs, night clubs, and private clubs. Students will be exposed to the history and structure of club management, physical organization, operating club departments, and entertainment within club management.
Prerequisite: HRTM 101.

**HRTM 271 - Casino Management (3 credits)**
An overview of Casino Management with emphasis on the analysis of casino hotel operations, the gaming industry and its trends, and casino organizational structure. Students will learn the gaming history, casino management, physical organizations, and government regulations of gambling. Related topics include layout and design of facilities, surveillance, demographic profiles, psychological profiles, and economic impact.
Prerequisite: HRTM101.

**HRTM 281 - Cruise Line Management (3 credits)**
This course is a survey of the cruise line industry. Topics covered include service culture, diversity, employee motivation, technology, generational workforce changes, ethics, and sustainability in the cruise line industry.
Prerequisite: HRTM 101 Introduction to Hospitality & Tourism Management or MGT 200 Principles of Management or RECR 150 Introduction to Recreation and Leisure Services.

**HRTM 290 - Special Topics: ((Semester hours arranged))**
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

**HRTM 310 - Systems Approach to Food & Beverage Management (3 credits)**
This course will focus on the reinforcement of management concepts such as constructing menus for profitability, implementation of food and beverage control systems and analysis of standardized recipes. Market menu trends are explored with an emphasis on new product development. Implementation of labor cost controls including establishing units of measure for labor standards, determining productivity rates and constructing staffing guides as a labor management tools are discussed and analyzed.
Distribution: Advanced. Prerequisite: HRTM211.

**HRTM 311 - Haute Cuisine and Oenology (3 credits)**
This course consists of an introduction to the classic dishes of haute cuisine, general information on menu planning, preparation of various international dishes, and sources and characteristics of selected wines of the world, how they are produced, stored, and selected.
Distribution: Advanced. Prerequisite: HRTM310.

**HRTM 312 - Professional Dining Room Service (1 credits)**
This course consists of an introduction to the classic dishes of haute cuisine, general information on menu planning, preparation of various international dishes, and sources and characteristics of selected wines of the world, how they are produced, stored, and selected.
Distribution: Advanced. Prerequisite: HRTM 211.

**315 - Operation Analytics (3 credits)**
The course focuses on enterprise use of analytics, providing students a fact-based pathway towards analytical strategy which is based on the market conditions, customer characters and company’s operating circumstances. Most organizations have isolated pockets of analytic capability, whether it be in operations, revenue management, and/or performance analysis. The integration and understanding on how metrics are established, predictive models commonly used to analyze real time industry data will provide students a better understanding on hospitality and tourism predictive analytics. In addition, the case study in part of the course content, it will be used to help students better understand authentic hospitality operation scenarios.
Prerequisite: MATH110 and HRTM205.

**HRTM 321 - Hospitality & Tourism Human Resources (3 credits)**
This course introduces the student to the personnel function in the hospitality industry. The importance of modern personnel techniques to the successful operation of a lodging, food service, or tourism business will be emphasized.

**HRTM 331 - Hospitality & Tourism Marketing (3 credits)**
This course establishes the importance of a formalized marketing program in successful hotel, restaurant and tourism operations.

**HRTM 334 - Tourism Destinations (3 credits)**
This course examines the major national and international tourism destinations according to their attractiveness and accessibility to tourists.
Distribution: Advanced. Prerequisite: HRTM232.

**HRTM 335 - Perspectives of International Tourism (3 credits)**
At the conclusion of this courses students are expected to be able to identify the major tourism centers of Western, Eastern and Central Europe; South and Southeast Asia; the Middle East; Oceania; and Africa. Students should also be able to describe the locations of the tourism centers using relevant geographic characteristics as well as attractions and other elements which create tourist interest in these areas.
Distribution: Advanced. Prerequisite: HRTM232.

**HRTM 336 - Community Tourism Development (3 credits)**
This course presents a localized perspective of the organizational, planning, promotional, and operational procedures utilized for successful tourism development at the community level.
Distribution: Level II Writing (W2) | Advanced. Prerequisite: HRTM232.

**HRTM 351 - Hospitality & Tourism Information Systems (3 credits)**
This course is a study of various types of computer-based information and communication systems used by managers in the hospitality tourism industries. Topics will include: the essentials of computer systems, property management systems, food and beverage management systems, global distribution systems and e-commerce.
Distribution: Advanced. Prerequisite: HRTM211 AND HRTM232 AND MGT211 AND CPSC100 AND HRTM241.

**HRTM 371 - Hotel Development & Design (3 credits)**
The development of market and feasibility studies, location and site selection, creation of concept, budgetary planning, selection of equipment, space allocation, and maintenance costs are covered in this course.

**HRTM 381 - Hospitality & Tourism Facilities Management (3 credits)**
This course consists of an introduction to the management of the major engineering systems required to operate the physical plant of a hospitality or tourism entity. The importance of energy conservation and controls, the
impact on efficient cost management and the need for a continuing rehabilitation program for all areas of the physical plant will be explored. Distribution: Advanced. Prerequisite: HRTM 101, HRTM 211, HRTM 232, HRTM 241.

HRTM 391 - Hospitality Purchasing (3 credits)
This course presents the vocabulary, systems, control specifications, and products typical to hospitality operations. It shows how to set up a purchasing department and defines and establishes its relationship to other departments and foodservice operation as a whole. Distribution: Advanced. Prerequisite: HRTM 101, HRTM 211.

HRTM 392 - Quantity Food Prep & Service (3 credits)
In this course the student learns to integrate all of the techniques and information of previous culinary courses and participates in the operation of a food service business on campus. Emphasis is placed on planning, preparation, service, and stewarding phases of the operation. Distribution: Advanced. Prerequisite: HRTM 101 AND HRTM 211.

HRTM 411 - Restaurant Operations Management (3 credits)
This course is designed to provide the student with production and managerial skills in a food service operation. Students are rotated through production and service stations and, as managers, plan menus, train fellow students, staff the operation, supervise preparation and service, promote customer relations, and record accounting records on profit and loss phases of the operation. This is a food production and service management restaurant simulation. Distribution: Advanced. Prerequisite: HRTM 310 AND HRTM 321 AND HRTM 331.

420 - Applied Deep Learning (3 credits)
This course is an introduction to a machine learning technique called deep learning and its application in hospitality and tourism management data optimization. Deep learning can create automated systems that can process large volumes of data at high speed to make automated predictions or decisions. Students will gain familiarization on a broad range of important machine learning concepts such as statistical learning, learning paradigms, data training, data testing and data evaluating. Prerequisite: HRTM 315 and MATH 110.

HRTM 421 - Hospitality & Tourism Training & Staff Development (3 credits)
This course provides the student with advanced study in the field of human resource management. Emphasis is placed on the importance of training techniques and staff development programs to a successful hospitality or tourism entity. Distribution: Advanced. Prerequisite: HRTM 101, HRTM 211, HRTM 232, HRTM 241, HRTM 321, HRTM 331.

HRTM 430 - Hospitality Data Visualization (3 credits)
This course provides an hands-on application in hospitality and tourism industry data visualization. Students will apply hospitality and tourism data analytic principles and learn advanced application in creating interactive visualization for effective communication with a wide range of stakeholders. Prerequisite: HRTM 315 and HRTM 351.

HRTM 431 - Hospitality & Tourism Strategic Market Planning (3 credits)
Building on the marketing principles and concepts learned in Hospitality Tourism Marketing, this course develops the analytical and critical thinking skills necessary for effective strategic marketing. Distribution: Advanced (ADVD) | Information Literacy & Technology (IL) | Level III Writing (W3). Prerequisite: HRTM 310, HRTM 331, MGT 211, MATH 110, ENGL 103, Writing Level II Course.

HRTM 432 - Tour Planning & Management (3 credits)
This course familiarizes the student with the tour planning process including designing, costing, and marketing an escorted tour. Responsibilities of the tour manager and the tour operator are discussed. Distribution: Advanced. Prerequisite: HRTM 232 AND HRTM 334 AND HRTM 335.

HRTM 436 - Meeting and Convention Planning and Management (3 credits)
Students who complete this class are expected to understand the scope and organization of the meetings and convention industry, and to develop the skills necessary to plan and manage a meeting or convention. Distribution: Advanced. Prerequisite: HRTM 232 AND HRTM 331.

HRTM 439 - Touring Abroad (3 credits)
This course is designed to be an educational experience that combines classroom instruction in the basics of international travel and tour operations (HRTM 335 and HRTM 432) within an authentic setting. Destination of the tour varies. Distribution: Advanced. Prerequisite: HRTM 232 AND HRTM 335.

HRTM 441 - Hospitality & Tourism Financial Management (3 credits)
This course continues the study of the financial structure of business at an advanced level with emphasis in the hospitality and tourism industries. The course includes the examination of cost controls, managerial accounting, cost-volume-profit analysis, pricing methods and other management financial tools. Emphasis is placed upon the preparation, interpretation and application of financial instruments. Distribution: Advanced. Prerequisite: HRTM 211, HRTM 232, HRTM 241, MGT 211, HRTM 311, HRTM 321.

HRTM 451 - Hotel Law (3 credits)
This course traces the origin and development of innkeeping law and introduces the language and role of common law and statutory law in delineating the legal rights and responsibilities in the hotel industry through the analysis and interpretation of actual case studies. Distribution: Advanced. Prerequisite: HRTM 101 AND HRTM 211 AND HRTM 331.

HRTM 461 - Hospitality Data Analytics (3 credits)
This course emphasizes the important role that data science plays in management decision making. Topics covered include foundation metrics in hospitality data analysis, analysis and integration of hotel industry data, utilization of mathematical formulae to perform comprehensive benchmarking and performance reports in the hospitality industry. Distribution: Advanced. Prerequisite: MATH 110, HRTM 241, HRTM 331.

462 - Advanced Hospitality Analytics (3 credits)
This course focuses on advanced analytical skill sets to increase decision making efficacy, research and power within the hospitality and tourism management industries. Students will examine competitive marketing strategies, event impact analysis, and completing hospitality and tourism industry research projects. Prerequisite: HRTM 315 and HRTM 461.

HRTM 485 - IS: (3 credits)
Distribution: Advanced. Prerequisite: HRTM 315 and HRTM 461.

HRTM 486 - Hospitality & Tourism Internship (9 credits)
This internship is a planned course that integrates classroom experience with practical work experience in the hospitality and tourism industries. Placement for the intern is arranged on an individual basis by the internship instructor in consultation with the intern and the intern-employer. Enrollment in this course requires a minimum cumulative point
average of 2.5, completion of all core HRTM 300 level courses, HRTM 421, HRTM 431, 400 hours of documented work experience in the hospitality or tourism industry, and departmental approval. Distribution: Advanced. Prerequisite: HRTM310 AND HRTM321 AND HRTM331.

487 - Data Analytics Internship (12 credits)
Field Experience and Internship is a planned course that integrates classroom experience and practical work experience in the hospitality data analytics. Prerequisite: HRTM420 and HRTM315.

HRTM 489 - Contemporary Legal & Ethical Aspects of Hospitality & Tourism Management (3 credits)
This course introduces the language and role of common law and statutory law in delineating the legal rights and responsibilities of managers in the hospitality and tourism industries. Much of the course involves the interpretation and analysis of actual case studies. Distribution: Advanced. Prerequisite: HRTM310 AND HRTM321 AND HRTM331 AND HRTM486.

HRTM 491 - Seminar in Hospitality & Tourism Management (3 credits)
This capstone course is an advanced study of the managerial techniques used in hospitality and tourism management. The student will develop and utilize analytical and problem-solving skills to manage more effectively. Distribution: Advanced. Prerequisite: All HRTM 100, 200 and 300 level core courses; HRTM 486 or with permission of instructor if all HRTM 486 pre-requisites are satisfied.

Interdisciplinary Studies

Interdisciplinary Studies B.A./B.S.
An interdisciplinary program of study can be arranged to satisfy an educational objective of an individual student. Such programs may involve either two or three departments. Normally a student must declare an interdisciplinary studies major before completing 60 credits (or before the completion of the first semester for students transferring in 60 or more credits). Exceptions may be approved in extraordinary circumstances. In any case, the student must complete 30 credits after officially declaring an interdisciplinary studies major.

Application forms, available in the Department of Modern Languages, Philosophy, and Religion, require a student’s statement of the goals of the program and how it addresses the student’s professional aspirations, a list of courses to be taken from each department, and dated signatures of the student, advisor of each cooperating department, chair of each cooperating department, chair of the Department of Modern Languages, Philosophy, and Religion, and dean of each cooperating college. The completed form will be filed in the Student Enrollment Center and copied to the student and each adviser.

PROGRAM FEATURES

42 credits
Two-department program –
A minimum of 21 credits (at least nine at the 300 level or above) from each department - approved by student, department advisers, department chairs, deans, and chair of the Department of Modern Languages, Philosophy, and Religion.

Three-department program –
A minimum of 15 credits (at least six at the 300 level or above) from each of two departments and a minimum of 12 credits (at least three at the 300 level or above) from the third department - approved by student, department advisers, department chairs, deans, and chair of the Department of Modern Languages, Philosophy, and Religion. Additional requirements:

Note: Grades of “A,” “B,” or “C” must be earned in all 42 credits.

Please see the university requirements in this catalog.

IIS - Intercultural & Interdisciplinary Studies Courses

IIS 100 - Introduction to Intercultural Perspectives (3 credits)
This course provides a basic theoretical framework that will enable students to apply intercultural principles and concepts to individual and group interactions. Students will be introduced to strategies that will help them to develop positive working relations with diverse populations by being actively involved in cross-cultural interactions. Prerequisite: ENGL103.

IIS 115 - Introduction to International Studies (3 credits)
This course is an introduction to the interdisciplinary study of an increasing interdependent world. It is based on a selection of readings that explore the world’s evolution from the perspective of economics, religion, geography, history, political science, philosophy, sociology, anthropology, cultural studies and the arts.

IIS 290 - Special Topics (Semester hours arranged)
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

IIS 485 - Independent Study (1 - 15 credits)
This course consists of directed research or study on an individual basis. It is taken upon the initiative of a student who seeks to study with the guidance of a faculty member with expertise in intercultural studies. It is designed to provide in-depth coverage of subject matter not covered in courses offered by the department. The student must secure a faculty sponsor, submit a “Request for Independent Study” form, and obtain the approval of the Dean of Arts and Sciences. Distribution: Advanced. Prerequisite: IIS100.

Women and Gender Studies Minor
This is an interdisciplinary minor designed to enhance any degree program. Women and Gender Studies seeks to recognize the diversity of human experience and examine the interplay of gender, race, class and sexuality by focusing on the experience of women, the concept of gender, and the cultural productions by and about women within different contexts and across various identities and academic disciplines.

PROGRAM FEATURES

18 credits

Required courses:

WMST 150 Intro Women’s Studies 3
WMST 495 Seminar Women’s Studies 3

Co-requisites:

12 credits of Women and Gender Studies electives:

ART 412 WS: Women Artists: From the Middle Ages to the Present 3
CMST 220 GN: WS: Gender Differences and Human Communication 3
ENGL 183 GN: WS: Women In Literature 3
ENGL 393 Major Writers 3
HIST 253 GE: Women in American History 3
HLTH 408 Women’s Health Concerns 3
SMGT 403 WS: Women Sport and the Body 3
PHIL 260 WS: Women And Religion 3
POLS 243 GE: Women And Politics 3
PSY 292 Psychology Of Women 3
and work in a feminist agency or organization. Written assignments will
This course is designed to provide the student with practical experience
contributions from scholars of different disciplinary backgrounds.
feminism. The course is interdisciplinary—highlighting theoretical
evolution of feminist theories. In particular, students will critically examine
In this course, students will study the theories, conceptual developments,
WMST 350 - Feminist Theories (3 credits)

WMST - Women's Studies Courses

WMST 150 - Intro Women's Studies (3 credits)
This course will provide an overview of the history, theories, and
methodological approaches of Women's Studies; examine the
implications of our cultural understandings of women, gender, race, and
class; raise questions about the goals and direction of social change; and
review the impact of Women's Studies on traditional disciplines and
knowledge. Prerequisite: ENGL103.

WMST 200 - Women of the African Diaspora (3 credits)
This course will familiarize students with experiences of women of the
African Diaspora, by focusing on African women in the United States, the
Caribbean, South America, Britain, Canada, and France. The focus will
center around phenomena of power, oppression, and control, as well as
the creative and political contributions such women (and their female
descendants) have made. Prerequisite: ENGL103.

WMST 310 - Queer Topics: Sex, Gender, and Sexuality (3 credits)
This course examines the complex interrelationships and dilemmas
associated with contemporary understandings of human biological sex
determination, experiences of gender that cross biological sex categories
(i.e., transgender), and the range of sexual identities, orientations, and
preferences. The term “queer” is intended as a synonym for odd, peculiar
or anomalous, but is also appropriated as a term to challenge the
“hardening of the categories” and dichotomies of male-female, masculine-feminine, and hetero-homosexuality.
Distribution: Advanced. Prerequisite: WMST 150 or PSY 292.

WMST 350 - Feminist Theories (3 credits)
In this course, students will study the theories, conceptual developments,
debates, and epistemological and methodological issues that chart the
evolution of feminist theories. In particular, students will critically examine
feminist theories such as liberal feminism, radical feminism, Marxist
feminism/socialist feminism, postmodern feminism, and postcolonial
feminism. The course is interdisciplinary—highlighting theoretical
contributions from scholars of different disciplinary backgrounds.
Distribution: Advanced. Prerequisite: WMST150.

WMST 487 - Field Experience & Internship (3 credits)
This course is designed to provide the student with practical experience
and work in a feminist agency or organization. Written assignments will
require students to analyze the connections between feminist theory and
praxis and between Women’s Studies curricula and social activism.
Distribution: Advanced.

WMST 495 - Seminar Women's Studies (3 credits)
This seminar is designed to enable students from various disciplines to
analyze and synthesize data, ideas, and academic perspectives as they
focus on the personal and societal dimensions of gender and roles as
these differentiate and affect female experience and activities.
Distribution: Advanced. Prerequisite: WMST150.

Leadership Studies and Military Science

Army Reserve Officer Training Corps (ROTC)
427 Normal Street
570-422-3872
www.esu.edu/rotc

Career Path in Leadership
Participating in Army Reserve Officers’ Training Corps (ROTC) at ESU puts
you in control of your future. Leadership instruction, experiential
leadership development, and camaraderie coupled with academic and
professional mentorship programs will prepare you for service to your
country and for a lifetime of successful leadership in any career. Army
ROTC develops your physical, analytical and leadership skills while
strengthening your sense of ethical responsibility. Upon graduation
students are commissioned as Second Lieutenants in either the Active
Army, Army National Guard or the United States Army Reserve.

Program Philosophy
The greatest focus of ROTC is on all cadets successfully completing their
academic degree, competing in athletics and participating in student
activities while continually developing as future leaders. Army ROTC
leverages the education, values and principles of service in all students
attending ESU reinforced with the best leadership development
instruction in the nation. This unique combination produces leaders
prepared and motivated to complete their officer training and lead
elements of the most powerful Army in the world or be leaders in the
civilian community. All cadets will be grounded and willing to live by the
Army’s values and the Warrior ethos.

The Local Program
The East Stroudsburg University Army ROTC is a primary partner in the
Northeast Pennsylvania (NEPA) Army ROTC Battalion consisting of 13
colleges and universities in Luzerne, Lackawanna and Monroe counties.
The NEPA Battalion was recently recognized as one of the top 15% of all
ROTC programs in the country.
The battalion averages 145 students enrolled in ROTC each year, making it
the second largest program in Pennsylvania. All classes, labs and physical
training are conducted at ESU. The cadets are frequently seen around
campus in uniform going to class, and participating in physical training.

Is Leadership Studies and Military Science a career path for
me?
Upon graduation students are commissioned as Second
Lieutenants in either the
• Active Army
• Army National Guard
• United States Army Reserve

Program Diversity
The NEPA Army ROTC Battalion is very diverse in its makeup. The men and
women who comprise the battalion represent 97 different high schools
Leadership Development

Army ROTC develops confident leaders who will succeed in any endeavor. Army ROTC leadership training means spending time outside of the classroom, sometimes way outside of the classroom. You may find yourself leading your fellow classmates on a tactical training exercise, parachuting from a military aircraft, training with a foreign military organization, or serving as a staff officer at an Army installation.

Students regularly conduct briefings to university staff, mentor fellow students in military and civilian subjects and develop plans and training for the ROTC Battalion. Junior and senior students also have the opportunity to conduct military-sponsored internships related to their major as well as training with industry. Army ROTC also supports service learning and community support leadership.

Exceptional Scholarship Opportunities

Most of our military science students earn Army ROTC scholarships. Army ROTC offers two-, three- and four-year scholarships to qualified students interested in serving as officer leaders in the Army. East Stroudsburg University Army ROTC Scholarships pay full tuition, all academic fees, a yearly book allowance and a monthly stipend ranging from $3,000 to $5,000 per year. High school seniors majoring in certain medical concentrations may qualify for five- or six-year scholarships through Army ROTC. Special nursing, Army National Guard and Army Reserve scholarships are also available.

No Military Obligation for Non-Contracted Cadets

Until you accept an Army ROTC scholarship or sign a contract that you wish to accept a commission as a Second Lieutenant in some component of the Army, there is no military or financial obligation for taking ROTC. Army ROTC can be a college leadership program that allows you to gain valuable leadership skills and earn up to 15 elective credits toward your GPA and graduation.

You can be as involved in Army ROTC as you want to be. You may choose to take a one-hour leadership class each week or you may choose to add the military fitness class, add leadership labs or get involved in one of the Army ROTC clubs or special teams. Many students start by taking the class and gradually increase their activities as they experience first-hand the camaraderie, mentorship, adventure and professional leadership training that is Army ROTC.

For more information, contact the Department of Leadership Studies and Military Science at 570-422-3349 or 570-422-3830 or jcameron@esu.edu.

Web sites: www.esu.edu/rotc or www.goarmy.com/rotc

Leadership Studies and Military Science Program

Program Description

East Stroudsburg University offers students the opportunity to participate in Army ROTC through a partnership with the Northeast Pennsylvania (NEPA) Army Reserve Officer Training Corps (ROTC) Battalion. The primary objective of the Army ROTC program is to offer exceptional Leadership Development Training that will serve its students in every aspect of their career, both in the military and civilian positions. The commissioning track program prepares the student to serve as an officer in either:

- Active Army
- U.S. Army Reserves
- Pennsylvania (or other state) Army National Guard

Whichever component you choose to serve in, there are more than 20 different specialty fields and career paths to choose from. With as little as seven hours a week you can earn as many as 21 elective credits in this extensive Leadership Development Program that concentrates on developing leaders through the demonstration and hands on practice of the seven Army Values and 16 Key Leadership Dimensions. Through this program each student will learn to lead by using a crawl, walk, and run hands-on progressions. They will plan, communicate, organize, and execute events such as marksmanship training, small unit tactics, land navigation, rappelling, paint ball, obstacle and confidence courses, and many other practical hands-on training opportunities.

The NEPA Army ROTC Battalion continually ranks in the top 10 percent of all ROTC programs nationwide and was ranked third in the Eastern United States in 2006. The NEPA Battalion has recently celebrated 50 years of commissioning officers for the Army.

The Army ROTC program can be tailored to fit any student’s schedule, particularly in the freshman and sophomore years. Military Science instruction is offered at East Stroudsburg University with two-, three- and four-year programs leading to a commission as an officer in one of the three components of the U.S. Army. Any East Stroudsburg University student may participate in any basic Army ROTC course without cost or obligation.

To be commissioned as a second lieutenant, students must pass a physical examination and complete at least the final two years of the ROTC program of Military Science courses. The commissioning track consists of three components that the student will typically take each semester; Physical Training (PT), Leadership Lab, and classroom instruction. All together, the program takes as much as seven hours each week and can earn the students as much as 21 elective credits toward graduation. The Army ROTC provides all uniforms, equipment, and textbooks required for the classes. Each semester there is a military social event and at least one optional weekend training session that includes such events as military marksmanship, cross country orienteering, military rappelling, leadership application courses and obstacle/confidence courses, even paint ball or rock climbing.

Additional Training Opportunities

During breaks and vacations students can volunteer for active army training such as military parachute operations, helicopter operations, military mountain climbing and training with active army units in the United States and overseas. There are also numerous opportunities for leadership internships with state and federal agencies through Army ROTC. All training is cost free to the student and, students are paid for some summer training courses. See the Department of Leadership Studies – Army ROTC to receive specific information about courses available Students who have completed basic training in any U.S. service may qualify for placement in the advanced course. Additionally students who have not completed the ROTC basic course may qualify for the advanced course by attending a paid four-week long Leadership Training Course conducted each summer at Fort Knox, Ky.

Scholarships, Stipend, and Book Money Available

Freshman and sophomore students can compete for two, two and one-half, and three year ROTC scholarships that pays full tuition and fees regardless of cost and up to $1,200 per year for books in addition to the monthly stipend. The Army will commission successful graduates as a second lieutenant with a starting salary of more than $35,000 per year plus housing allowance, food allowance, medical and dental benefits as well as 30 days paid vacation per year.
All students receiving ROTC scholarships, as well as sophomores, juniors and seniors who are contracted with the Army receive a monthly stipend. The stipend starts at $300 per month during the freshman year, increases to $350 during the sophomore year, $450 during the junior year and $500 during the senior year. The stipend is paid directly to the student each month that they are in school. For more information on the ROTC program at East Stroudsburg University contact the Department of Leadership Studies - ROTC at 570-422-3349 or visit www.esu.edu/rotc.

**Leadership Studies and Military Science Faculty**

**Professor of Military Science:**
LTC William White (william.white2@scranton.edu)

**Assistant Professor of Military Science and OIC of the ESU**

**ROTC program:**
CPT Jefferson Kramer (jkramer10@esu.edu)

**Instructor of Military Science:**
SFC Timothy Szika (tszika@esu.edu)

**MSL - Leadership Studies & Mil Sci Courses**

**MSL 101 - Introduction to the Army (1 credit)**
This course will introduce the critical components of effective leadership. The focus is on comprehension of Army leadership dimensions, an understanding of the ROTC program, its purpose in the Army, and its advantages for the student.

**MSL 102 - Foundations of Agile and Adaptive Leadership (1 credit)**
This course covers leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Students will practice leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises.

**MSL 103 - Leadership Lab (0 credits)**
This course is an experientially-based leadership course. Although there are no credits associated with this course, it is still a pass/fail evaluation of leadership. This course is required for all contracted cadets and is strongly recommended for any cadets with intentions of contracting. This course is available for any student, from freshman to graduate level.

**MSL 201 - Leadership and Decision Making (1 credit)**
This course examines innovative tactical leadership strategies and styles by examining team dynamics. Students practice aspects of personal motivation, team building, planning, executing, and assessment team exercises in the classroom and tactical environment.
Distribution: Advanced. Prerequisite: None.

**MSL 202 - Army Doctrine and Team Development (2 credits)**
This course examines the challenges of leading tactical teams in a complex contemporary operating environment (COE). Continued study of the theoretical and practical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations.
Distribution: Advanced. Prerequisite: None.

**MSL 205 - Army Physical Fitness Training (1 credit)**
ROTC instructors supervise a comprehensive fitness program based on the latest military fitness techniques and principles. The classes are conducted 5 days a week at Zimbar Gym and are one hour sessions.

**MSL 301 - Training Management and Warfighting Functions (2 credits)**
This course challenges the student to study, practice, and evaluate adaptive team leadership skills in preparation for the ROTC Advanced Camp. Overall objectives of the course are to integrate the principles and practices of effective leadership, military operations, and personal development in preparation for the summer Advanced Camp program.
Distribution: Advanced.

**MSL 302 - Applied Leadership in Small Unit Operations (2 credits)**
This course challenges and evaluates the students’ ability to develop a leadership style when faced with challenging scenarios related to small unit tactical operations and the changing environment of today’s Army. Overall objectives of the course are to integrate the principles and practices of effective leadership, military operations, and personal development in preparation for the summer Advanced Camp program.
Distribution: Advanced. Prerequisite: MSL301.

**MSL 401 - The Army Officer (2 credits)**
This course explores the dynamics of leading in the complex situations of current military operations, such as interacting with non-government organizations, international terrorism, civilians on the battlefield, and host national support. This course puts significant emphasis on preparing cadets for their first duty assignment, preparing cadets to face the complex ethical and practical demands of leading as commissioned offices in the United States Army.
Distribution: Advanced. Prerequisite: MSL301 AND MSL302.

**MSL 402 - Company Grade Leadership (2 credits)**
This course develops student proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Students will identify responsibilities of key staff, coordinate staff roles, and use battalion operational situations to teach, train, and develop subordinates through a mentoring program.
Distribution: Advanced. Prerequisite: MSL301 AND MSL302 AND MSL401.

**ASL - Aerospace Studies**

**ASL 101 - Heritage and Values of the United States Air Force - Course 1 (1 credit)**
Survey course designed to introduce students to the United States Air Force and provide an overview of the basic characteristics, missions, and organization of the Air Force.
Offered: Fall semesters only.

**ASL 102 - Heritage and Values of the United States Air Force - Course 2 (1 credit)**
This is a survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force.
Offered: Spring semesters only.

**ASL 103 - Leadership Laboratory - Course 1 (Non-credit)**
A weekly two-hour, hands-on portion of training. It is planned and led by junior/seniors cadets and actively involves all cadets. Activities include team-building exercises, leadership studies, leadership-building exercises, guest speakers, Air Force drills and ceremonies, and field trips.
Offered: Fall semesters only.

**ASL 104 - Leadership Laboratory - Course 2 (Non-credit)**
A weekly two-hour, hands-on portion of training. It is planned and led by junior/seniors cadets and actively involves all cadets. Activities include team-building exercises, leadership studies, leadership-building exercises, guest speakers, Air Force drills and ceremonies, and field trips.
Offered: Spring semesters only.

**ASL 201 - Team and Leadership Fundamentals - Course 1 (1 credit)**
This course focuses on laying the foundation for teams and leadership. The topics include skills that will allow cadets to improve their leadership on a personal level and within a team. The courses will prepare cadets for
their field training experience where they will be able to put the learned concepts into practice. The purpose is to instill a leadership mindset and to motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate.

Offered: Fall semesters only.

**ASL 202 - Team and Leadership Fundamentals - Course 2 (1 credit)**
This course focuses on laying the foundation for teams and leadership. The topics include skills that will allow cadets to improve their leadership on a personal level and within a team. The courses will prepare cadets for their field training experience where they will be able to put the learned concepts into practice. The purpose is to instill a leadership mindset and to motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate.

Offered: Spring semesters only.

**ASL 203 - Leadership Laboratory - Course 1 (Non-credit)**
A weekly two-hour, hands-on portion of training. It is planned and led by junior/senior cadets and actively involves all cadets. Activities include team-building exercises, leadership studies, leadership-building exercises, guest speakers, Air Force drills and ceremonies, and field trips.

Offered: Fall semesters only.

**ASL 204 - Leadership Laboratory - Course 2 (Non-credit)**
A weekly two-hour, hands-on portion of training. It is planned and led by junior/senior cadets and actively involves all cadets. Activities include team-building exercises, leadership studies, leadership-building exercises, guest speakers, Air Force drills and ceremonies, and field trips.

Offered: Spring semesters only.

**ASL 240 - AFROTC Field Training (3 credits)**
A 13-day capstone event aimed at evaluating and preparing cadets to succeed and lead at their AFROTC Detachments. Course is held at Maxwell Air Force Base, Alabama and provides students the opportunity to develop leadership skills, which will prepare them for leadership challenges at their detachments and on active duty.

Offered: To be determined.

**ASL 301 - Leading People and Effective Communication - Course 1 (3 credits)**
This course teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.

Prerequisite: Junior or Senior standing in AFROTC program OR permission on the instructor. Offered: Fall semesters only.

**ASL 302 - Leading People and Effective Communication - Course 2 (3 credits)**
This course teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.

Prerequisite: Junior or Senior standing in AFROTC program OR permission on the instructor. Offered: Spring semesters only.

**ASL 303 - Leadership Laboratory - Course 1 (Non-credit)**
A weekly two-hour, hands-on portion of training. It is planned and led by junior/senior cadets and actively involves all cadets. Activities include team-building exercises, leadership studies, leadership-building exercises, guest speakers, Air Force drills and ceremonies, and field trips.

Offered: Fall semesters only.

**ASL 304 - Leadership Laboratory - Course 2 (Non-credit)**
A weekly two-hour, hands-on portion of training. It is planned and led by junior/senior cadets and actively involves all cadets. Activities include team-building exercises, leadership studies, leadership-building exercises, guest speakers, Air Force drills and ceremonies, and field trips.

Prerequisite: Junior or Senior standing in AFROTC program. Offered: Spring semesters only.

**ASL 401 - National Security Affairs/Preparation for Active Duty - Course 1 (3 credits)**
The course is designed for college seniors and gives them the foundation to understand their role as military officers in American society. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. The final semester provides information that will prepare the cadets for Active Duty.

Prerequisite: Junior or Senior standing in AFROTC program OR permission on the instructor. Offered: Fall semesters only.

**ASL 402 - National Security Affairs/Preparation for Active Duty - Course 2 (3 credits)**
The course is designed for college seniors and gives them the foundation to understand their role as military officers in American society. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. The final semester provides information that will prepare the cadets for Active Duty.

Prerequisite: Junior or Senior standing in AFROTC program OR permission on the instructor. Offered: Spring semesters only.

**ASL 403 - Leadership Laboratory - Course 1 (Non-credit)**
A weekly two-hour, hands-on portion of training. It is planned and led by junior/senior cadets and actively involves all cadets. Activities include team-building exercises, leadership studies, leadership-building exercises, guest speakers, Air Force drills and ceremonies, and field trips.

Prerequisite: Junior or Senior standing in AFROTC Program. Offered: Fall semesters only.

**ASL 404 - Leadership Laboratory - Course 2 (Non-credit)**
A weekly two-hour, hands-on portion of training. It is planned and led by junior/senior cadets and actively involves all cadets. Activities include team-building exercises, leadership studies, leadership-building exercises, guest speakers, Air Force drills and ceremonies, and field trips.

Prerequisite: Junior or Senior standing in AFROTC Program. Offered: Spring semesters only.

---

**Marketing**

The Marketing program is housed within the Department of Business Management. Please see the Business Management department for the B.S. in Marketing requirements.

**Mathematics**

**College of Arts and Sciences**

**The Faculty of Science**

Science and Technology Center, Room 118
570-422-3447
www.esu.edu/math

**About the Program**

The mathematics department offers a dynamic and up-to-date collection of mathematics majors and minors designed to meet the needs of students with a variety of career aspirations. All math majors participate in
a service-learning experience and many pursue independent study and/or internship experiences. Are you interested in ...
- Working with numbers
- Formulating and solving problems
- Thinking abstractly
- Arguing logically
- Analyzing data
- Identifying patterns

Choose Mathematics at ESU
- Small class sizes
- Qualified, experienced faculty
- Frequent faculty interactions
- Service-Learning Opportunities

Is mathematics a career path for me?  
**Career Potential**
- Economist
- Financial Analyst
- Mathematician
- Statistician
- Budget Analyst
- Cryptographer
- Teacher/professor

**Career Settings**
- Municipal, state and federal government agencies
- Pharmaceutical companies
- Financial institutions
- Engineering firms
- Market research firms

More detailed career information is available from the department.

Mathematics B.A.

**PROGRAM FEATURES**
40 credits
The Bachelor of Arts in Mathematics is a rigorous introduction to the discipline of mathematics. Students in this program will be exposed to both applied and theoretical mathematical ideas. This program prepares students to enter graduate school for further study or to seek employment in fields that value people with well-honed quantitative and problem-solving skills.

**Required courses:**
- MATH 140: GN: Calculus I 4
- MATH 141: GN: Calculus II 4
- MATH 220: Discrete Mathematical Structures 3
- MATH 240: Multivariate Calculus 4
- MATH 311: Statistics I 3
- MATH 320: Linear Algebra 3
- MATH 341: Differential Equations 3
- MATH 421: Abstract Algebra 3
- MATH 425: Introduction to Mathematical Modeling 3
- MATH 440: Real Analysis 3

and one Math course numbered 300 or higher except MATH 351, 430, 431, 486 and 499.

**Co-requisite course:**
- CPSC 130: GN: Introduction to Computer Programming I 3
- OR CPSC 131: Introduction to Computer Programming II 3
- ML__ Modern Language 3

Please see the Foreign Language Competency Requirement in this catalog. (p. 46)

**Additional requirements:**
- Please see the university requirements in this catalog.
- **Note:** A grade of “C” or above in all courses used to satisfy the major. At least 15 credits of the mathematics courses required for this degree must be completed at East Stroudsburg University.

Mathematics B.S. - Applied Mathematics

**About the Program**
The Bachelor of Science in Mathematics -
- With concentrations in Applied Biological Mathematics, Applied Chemical Mathematics, Applied Computer Science Mathematics, Applied Financial Mathematics, or Applied Physical Mathematics, the program provides the student with an opportunity to gain a solid and comprehensive knowledge of mathematics with an extensive introduction to one of the many areas that rely heavily on mathematics. Students in this program will have an option of including an internship experience as part of their studies.
- The student must complete the core requirements and the requirements for one of the areas to fill the requirements for this major. Concentration options include biology, chemistry, computer science, finance and physics.

Are you interested in ...
- Hands-on working experiences
- Problem solving
- Real world applications
- Analyzing data
- Constructing mathematical models

Choose Mathematics at ESU
- Small class sizes
- Qualified, experienced faculty
- Frequent faculty interactions
- Service-Learning Opportunities

Is Applied Mathematics a career path for me?  
**Career Potential**
- Computer Scientist
- Actuary
- Computer Software Engineer
- Financial Analyst
- Operations Research Analyst

**Career Settings**
- Municipal, state and federal government agencies
- Pharmaceutical companies
- Financial institutions
- Engineering firms
- Market research firms

More detailed career information is available from the department.

**PROGRAM FEATURES**
60 - 61 credits
This program provides the student intent on seeking employment once the bachelor’s degree is completed with an opportunity to gain a solid and comprehensive knowledge of mathematics together with an extensive introduction to one of the many areas that rely heavily on mathematics. Students in this program will have an option of including an internship experience as part of their studies.

The student must complete the core requirements and the requirements for one of the concentrations below to fill the requirements for this major.
Core Courses:
Required for all concentrations:
MATH 140 GN: Calculus I 4
MATH 141 GN: Calculus II 4
MATH 220 Discrete Mathematical Structures 3
MATH 240 Multivariate Calculus 4
MATH 311 Statistics I 3
MATH 320 Linear Algebra 3
MATH 425 Introduction to Mathematical Modeling 3

and Nine additional credits in MATH courses numbered 300 or higher, excluding MATH 351, MATH 430, MATH 431 and MATH 499 (no more than three credits of MATH 486 can be applied toward these credits).

Co-requisites:
All concentrations:
CPSC 101 GN: PCs and Their Uses in the Sciences 3
CPSC 130 GN: Introduction to Computer Programming I 3
ENGL 204 Technical Writing 3
CMST 111 GN: Introduction to Communication 3

Concentrations:
Biology Concentration:
MATH 341 Differential Equations 3
BIOL 114 GN: Introductory Biology I 4
BIOL 115 GE: Introductory Biology II 4
and 3 credits of 300 or higher level Biology courses

Chemistry Concentration:
MATH 341 Differential Equations 3
CHEM 121 GN: General Chemistry I 3
CHEM 123 GN: General Chemistry I Lab 1
CHEM 124 GE: General Chemistry II 3
CHEM 126 GE: General Chemistry II Lab 1
and 3 credits of 300 or higher level Chemistry courses

Computer Science Concentration:
MATH 341 Differential Equations 3
CPSC 131 Introduction to Computer Programming II 3
CPSC 141 Introduction to Computer Organization 3
CPSC 230 Programming Principles and Practice 3
and 3 credits of 300 or higher level Computer Science courses

Finance Concentration:
MATH 280 Mathematics Of Finance 3
ECON 111 GN: Principles of Macroeconomics 3
ECON 112 GN: Principles of Microeconomics 3
ECON 332 Forecasting Methods 3
and 3 credits of 300 or higher level Economics courses

Physics Concentration:
MATH 341 Differential Equations 3
PHYS 161 GN: Physics I 4
PHYS 162 GE: Physics II 4
and 3 credits of 300 or higher level Physics courses

Additional requirements:
- A grade of "C" or better in all courses used to satisfy the major.
- A minimum of 15 credits of the mathematics courses required for this degree must be completed at East Stroudsburg University.

4 YEAR CURRICULUM PROGRAM PLAN
(Subject to change by the university without notice)

Freshman Year Fall
MATH 140 GN: Calculus I 4
OR

MATH 135 GN: Pre-Calculus 3
ENGL 103 English Composition 3
CPSC 101 GN: PCs and Their Uses in the Sciences 3
FYE 100 University Studies 3
GenEd General Education Elective 3
Subtotal: 15-16

Spring
MATH 141 GN: Calculus II 4
OR
MATH 140 GN: Calculus I 4
CPSC 130 GN: Introduction to Computer Programming I 3
CMST 111 GN: Introduction to Communication 3
GenEd General Education Elective 3
Subtotal: 13

Sophomore Year Fall
MATH 220 Discrete Mathematical Structures 3
MATH 240 Multivariate Calculus 4
OR
MATH 141 GN: Calculus II 4
XXXX Concentration Course 1 3-4
HPLW 105 Health Promotion and Lifetime Wellness 3
Subtotal: 13-14

Spring
MATH 240 Multivariate Calculus 4
MATH 320 Linear Algebra 3
XXXX Concentration Course 2 3-4
ENGL 204 Technical Writing 3
Subtotal: 13-14

Junior Year Fall
MATH 311 Statistics I 3
XXXX Concentration Course 3 3
GenEd General Education Elective 3
GenEd General Education Elective 3
GenEd General Education Elective 3
Subtotal: 15

Spring
MATH Math Concentration Course 3
XXXX Concentration Course 4 3
GenEd General Education Elective 3
GenEd General Education Elective 3
GenEd General Education Elective 3
Subtotal: 15

Senior Year Fall
MATH Math Elective 3
MATH Math Elective 3
GenEd General Education Elective 3
GenEd General Education Elective 3
XXXX Elective 3
Subtotal: 15

Spring
MATH 425 Introduction to Mathematical Modeling 3
MATH Math Elective 3
GenEd General Education Elective 3
XXXX Elective 3
Mathematics B.S.
Secondary Education

About the Program
A combination of courses in mathematics and pedagogy, this major prepares students for a successful career as a mathematics teacher in grades seven to 12. In this program, which has achieved National Recognition status from the National Council of Teachers of Mathematics, students complete a full and rigorous mathematics program that satisfies state and national standards for content and which blends practical and theoretical knowledge with hands-on experiences.

Are you interested in...

• Formulating and solving problems
• Teaching ideas to others
• Being creative
• Helping others

Choose Mathematics at ESU
• Small class sizes
• Qualified, experienced faculty
• Frequent faculty interactions
• Technology
• Service-Learning Opportunities

Is teaching mathematics a career path for me?
Career Potential
• Teacher of Mathematics
• Mathematical Curriculum Development

Career Settings
• Public schools
• Private schools
• Charter schools

More detailed career information is available from the department.

Program Features
80 credits

Required mathematics courses:
MATH 140 [GN: Calculus I] 4
MATH 141 [GN: Calculus II] 4
MATH 220 Discrete Mathematical Structures 3
MATH 240 Multivariate Calculus 4
MATH 311 Statistics I 3
MATH 320 Linear Algebra 3
MATH 351 Modern Geometry 3
MATH 421 Abstract Algebra 3
MATH 425 Introduction to Mathematical Modeling 3
MATH 430 History Of Mathematics 3
MATH 431 Teaching Mathematics Using Technology 3
MATH 499 Student Teaching Internship 3
three semester hours from courses numbered 300 to 485 3

Co-requisite course:
CPSC 130 [GN: Introduction to Computer Programming I] 3
OR
CPSC 131 Introduction to Computer Programming II 3

Required professional education courses:
PSED 161 Foundations of Education 3

PSED 250 The Psychology of Learners In Diverse Communities 3
PSED 420 Seminar in Secondary Education I: Instructional Structures and Strategies 3
PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom 3
PSED 430 Student Teaching in Secondary Education/ Middle School/Junior High School 6
PSED 431 Student Teaching in Secondary Education/ Senior High School 6
PSED 436 Teaching of Mathematics in the Secondary Schools 3
REED 350 Teaching Reading to Communities of Diverse Learners 3
SPED 102 Diversity of the Learner 3

Additional Requirements:
• Admission to Teacher Education Program
• 2.5 GPA in Math and 3.0 GPA overall
• Note: A grade of "C" or better in all of the required MATH and CPSC courses. A minimum of 15 credits of the mathematics courses required for this degree must be completed at East Stroudsburg University.
• Please see the university requirements in this catalog.

All teacher education students should be in frequent consultation with their academic advisers to make sure they are meeting the appropriate program and certification requirements which will vary depending on a variety of circumstances.

4 Year Curriculum Program Plan
(Subject to change by the university without notice)

Freshman Year Fall
MATH 140 [GN: Calculus I] 4
OR
MATH 135 [GN: Pre-Calculus] 3
ENGL 103 English Composition 3
PSED 161 Foundations of Education 3
FYE 100 University Studies 3
CPSC 130 [GN: Introduction to Computer Programming I] 3
Subtotal: 15-16

Spring
MATH 141 [GN: Calculus II] 4
MATH 220 Discrete Mathematical Structures 3
OR
MATH 140 [GN: Calculus I] 4
GenEd ___ General Education Elective 3
SPED 102 Diversity of the Learner 3
PSED 250 The Psychology of Learners In Diverse Communities 3
Subtotal: 16-17

Sophomore Year Fall
GenEd ___ General Education Elective 3
OR
MATH 141 [GN: Calculus II] 4
MATH 220 Discrete Mathematical Structures 3
HPLW 105 Health Promotion and Lifetime Wellness 3
ENGL ___ English Literature Course 3
PSED 250 The Psychology of Learners In Diverse Communities 3
Subtotal: 15-16

Spring
MATH 240 Multivariate Calculus 4
Mathematics B.S. - Education and Special Education

PROGRAM FEATURES

100 credits

Required mathematics courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 140</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>4</td>
</tr>
<tr>
<td>MATH 220</td>
<td>3</td>
</tr>
<tr>
<td>MATH 240</td>
<td>4</td>
</tr>
<tr>
<td>MATH 311</td>
<td>3</td>
</tr>
<tr>
<td>MATH 320</td>
<td>3</td>
</tr>
<tr>
<td>MATH 351</td>
<td>3</td>
</tr>
<tr>
<td>MATH 421</td>
<td>3</td>
</tr>
<tr>
<td>MATH 425</td>
<td>3</td>
</tr>
<tr>
<td>MATH 430</td>
<td>3</td>
</tr>
<tr>
<td>MATH 431</td>
<td>3</td>
</tr>
<tr>
<td>MATH 499</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 15-16

Junior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 311</td>
<td>3</td>
</tr>
<tr>
<td>MATH 351</td>
<td>3</td>
</tr>
<tr>
<td>SPED 350</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td></td>
</tr>
<tr>
<td>GenEd</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 425</td>
<td>3</td>
</tr>
<tr>
<td>MATH 431</td>
<td>3</td>
</tr>
<tr>
<td>PSED 420</td>
<td>3</td>
</tr>
<tr>
<td>PSED 436</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td></td>
</tr>
<tr>
<td>GenEd</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 15

Senior Year

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 421</td>
<td>3</td>
</tr>
<tr>
<td>MATH 430</td>
<td>3</td>
</tr>
<tr>
<td>PSED 421</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td></td>
</tr>
<tr>
<td>GenEd</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSED 430</td>
<td>6</td>
</tr>
<tr>
<td>PSED 431</td>
<td>6</td>
</tr>
<tr>
<td>MATH 499</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 13

For more information, contact the department by calling 570-422-3447 or email at mathdept@esu.edu.

Mathematics Minor

About the program:
The minor in mathematics consists of the introductory courses in the mathematics major. Completing the program will develop the student’s problems-solving skills and prepare the student for technical positions or graduate study in STEM disciplines.

PROGRAM FEATURES

21 credits

Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 140</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>4</td>
</tr>
<tr>
<td>MATH 220</td>
<td>3</td>
</tr>
<tr>
<td>MATH 240</td>
<td>4</td>
</tr>
<tr>
<td>MATH 311</td>
<td>3</td>
</tr>
<tr>
<td>MATH 320</td>
<td>3</td>
</tr>
<tr>
<td>MATH 351</td>
<td>3</td>
</tr>
<tr>
<td>MATH 421</td>
<td>3</td>
</tr>
<tr>
<td>MATH 425</td>
<td>3</td>
</tr>
<tr>
<td>MATH 430</td>
<td>3</td>
</tr>
<tr>
<td>MATH 499</td>
<td>1</td>
</tr>
</tbody>
</table>

Minor in Actuarial Science

About the program:
The minor in actuarial science leverages the courses in the mathematics program to prepare students for careers as actuaries. It is expected that students who complete the Actuarial Science Minor will take at least one actuarial exam before graduation.
**PROGRAM FEATURES**

21 credits

**Required courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>GN: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 240</td>
<td>Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 280</td>
<td>Mathematics Of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MATH 311</td>
<td>Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 481</td>
<td>Actuarial Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 21

**Additional requirement:**

A grade of C or better must be earned in all required courses.

---

**Minor in Applied Statistics**

**About the program:**

This program emphasizes practical applications of statistics. Students who complete this program will be educated consumers of statistical information and capable of many types of data analysis.

---

**PROGRAM FEATURES**

18 credits

**Required courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 100</td>
<td>GN: Numbers Sets &amp; Structures</td>
<td>3</td>
</tr>
<tr>
<td>MATH 105</td>
<td>Mathematical Problem Solving for Pre-K to Grade 8 Education Majors</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 311</td>
<td>Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 318</td>
<td>Exploratory Data Analysis with R</td>
<td>3</td>
</tr>
<tr>
<td>MATH 411</td>
<td>Statistics II</td>
<td>3</td>
</tr>
</tbody>
</table>

---

**Minor in Mathematical Statistics**

**About the program:**

This minor provides concentrated study of statistics. Students who complete this program understand data analysis, including its theoretical underpinnings.

---

**PROGRAM FEATURES**

21 credits

**Required courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>GN: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 240</td>
<td>Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 280</td>
<td>Mathematics Of Finance</td>
<td>3</td>
</tr>
<tr>
<td>MATH 311</td>
<td>Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 481</td>
<td>Actuarial Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

---

**Mathematics Faculty**

**Professors:**

Olivia Carducci, Chair (ocarducci@esu.edu)
N. Paul Schembari (nschembari@esu.edu)

**Associate Professors:**

Eugene Galperin (egalperin@esu.edu)
Jonathan Keiter (jkeiter@esu.edu)
Kristin Noblet (knoblet@esu.edu)
Xuemao Zhang (xzhang@esu.edu)

**Assistant Professors:**

Christopher Dubbs (cdubbs@esu.edu)

---

**MATH - Mathematics Courses**

**MATH 090 - Intermediate Algebra (3 credits)**

This course covers topics from basic algebra, solutions of first degree equations and inequalities, graphing of polynomial functions, polynomial functions, polynomial algebra, solutions to linear systems of equations, exponential and logarithmic expressions. Credits may not be used toward the 120 hours required for graduation.

**MATH 100 - GN: Numbers Sets & Structures (3 credits)**

This course presents mathematics as a deductive science which starts with empirical observations but goes beyond the level of simple, unrelated facts. Search for patterns and, when discovered, justification of them is the essence of this course. Similarities and differences between structures of numbers, sets, and some algebraic objects are discussed. Does not apply toward the Mathematics major.

Distribution: GE: Natural Sciences - Math | GN: Group B - Mathematics (BMA) | Quantitative. Prerequisite: MATH 090 or 3 units of high school mathematics including Algebra 1 and Geometry.

**MATH 101 - GN: Excursions in Mathematics (3 credits)**

This introductory course deals with selected topics in contemporary mathematics applied to the social and natural sciences. Topics include voting and weighted systems, fair division, apportionment, game theory, Euler circuits, the Traveling Salesman Problem, minimum networks, scheduling, linear programming, types of growth, measurement, symmetry and patterns, collecting and describing data, elementary probability and inference. Does not apply to the Mathematics Major.

Distribution: GE: Natural Sciences - Math | GN: Group B - Mathematics (BMA). Prerequisite: MATH 090 or 3 units of high school mathematics including Algebra 1.

**MATH 105 - Mathematical Problem Solving for Pre-K to Grade 8 Education Majors (3 credits)**

This course is designed to give Pre-K to grade 8 Education majors experiences in being independent solvers of mathematical problems while giving them the mathematical foundation for early mathematics. Concepts in elementary education including sets, whole, integer, rational and real numbers are covered.

Prerequisite: MATH090.

**MATH 110 - GN: General Statistics (3 credits)**

This course deals with the collection and presentation of data, frequency distributions, measures of central tendency and dispersion, elementary probability, randomness, expectations, significance testing on large and small samples, correlation, regression, introduction to analysis of variance,
and other common statistical methods. Does not apply toward Mathematics major. 

**MATH 111 - General Statistics with Introductory Mathematics (3 credits)**
This course deals with the collection and presentation of data, frequency distributions, measure of central tendency and dispersion, elementary probability, randomness, expectations, significance testing on large and small samples, correlation, regression, and other common statistical methods. In addition, the course will cover the mathematical topics which are necessary to be successful in a study of General Statistics. These topics include numbers, intervals, scientific notation, order of operations, inequalities, percents, graphing, linear functions, and basic set theory. Students cannot receive credit for both MATH 110 and MATH 111. Prerequisite: A score between 15 and 20, inclusive, on the ESU Mathematics Basic Skills Exam or an equivalent score on a math placement exam approved by the math department.

**MATH 130 - GN: Applied Algebraic Methods (3 credits)**
This course introduces students to mathematical modeling using linear, exponential, and power functions and systems of equations. Algebraic and geometric techniques are developed. Applications to the life, social, and management sciences include Linear Programming and Difference Equations. Does not apply toward the Mathematics major. Distribution: GE: Natural Sciences - Math | GN: Group B - Mathematics (BMA). Prerequisite: MATH 090 or 3 years of college preparatory high school mathematics including Algebra 1 and Geometry.

**MATH 131 - GE: Applied Calculus (3 credits)**
A one-semester introduction to the techniques of differential and integral calculus, this course will concentrate on the application of these techniques in the life and social sciences. Does not apply toward the mathematics major. Distribution: GE: Natural Sciences - Math. Prerequisite: MATH 130 with a grade of "C" or higher.

**MATH 135 - GN: Pre-Calculus (3 credits)**
This course is designed to prepare students for calculus. Topics include Equations, Inequalities, Functions and their graphs, Polynomial, Rational, Exponential, Logarithmic, and Trigonometric Functions. Distribution: GE: Natural Sciences - Math | GN: Group B - Mathematics (BMA). Prerequisite: College preparatory mathematics including Algebra 2 and Geometry and an appropriate score on the mathematics placement test.

**MATH 136 - Pre-Calculus Enrichment and Applications (3 credits)**
Students will gain experience applying topics learned in Pre-Calculus to solve problems related to other disciplines. Students will work on a wide variety of problems, including problems from business, physics, and computer science. Students will spend much of the class time working in groups to solve problems. Corequisite: MATH 135 (concurrent enrollment required).

**MATH 140 - GN: Calculus I (4 credits)**
Together with Calculus 2 and Multivariate Calculus, the basic concepts and applications of Elementary Analysis are covered. Calculus 1 topics include functions, continuity, the derivative and its applications, and an introduction to the definite integral. Distribution: GE: Natural Sciences - Math | GN: Group B - Mathematics (BMA). Prerequisite: MATH 135 with a grade of "C" or better or four units of college preparatory mathematics including Algebra 2, Geometry, and Trigonometry and a satisfactory score on the Calculus Readiness Test.

**MATH 141 - GN: Calculus II (4 credits)**
The concept of the integral is developed in detail. Techniques of integration, applications of the integral, and an introduction to Differential Equations are covered. Also, infinite series of numbers and functions are used to illustrate approximation theory. Distribution: GE: Natural Sciences - Math | GN: Group B - Mathematics (BMA). Prerequisite: MATH 140 with a grade of "C" or higher.

**MATH 150 - Mathematical Investigations (2 credits)**
This course provides an introduction to a variety of topics in mathematics. This course is for students interested in the math major or teaching math and will expose the student to the beauty, breadth, and relevance of mathematics. Each instructor will choose the topics used to illustrate the power of mathematics. Potential topics include: Combinatorics, Descriptive Statistics, Financial Math, Game Theory, Graph Theory, Knot Theory, Infinity, Number Theory, and Sports Math. This course will include a service-learning project.

**MATH 205 - Geometry for Pre-K to Grade 8 Education Majors (3 credits)**
This course is designed to give Pre-K to Grade 8 Education majors experiences in being independent solvers of mathematical problems while giving them the mathematical foundation for early mathematics. Topics include probability, geometry and geometric systems. Prerequisite: MATH 105 (C).

**MATH 220 - Discrete Mathematical Structures (3 credits)**
The topics in this course were chosen to facilitate students’ transition from computational mathematics to theoretical mathematics. Topics covered include logic, sets, various relations, functions, proof writing, mathematical induction, structures such as lattices, Boolean algebras, graphs, groups. Distribution: Advanced. Prerequisite: MATH140.

**MATH 240 - Multivariate Calculus (4 credits)**
This course develops calculus of several variables. Topics covered include vectors, functions of many variables and their derivatives and integrals, optimization, parametric curves and surfaces, and applications. Distribution: Advanced. Prerequisite: MATH 141 with a grade of "C" or higher.

**MATH 250 - Mathematics Of Finance (3 credits)**
This course consists of an introduction to the theory and mathematics of simple and compound interest with application to and emphasis on annuities, sinking funds, amortization, life insurance, stocks, bonds, and installment buying. Prerequisite: MATH130.

**MATH 290 - Special Topics: ((Semester hours arranged))**
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

**MATH 311 - Statistics I (3 credits)**
This course gives a rigorous introduction to descriptive statistics: discrete and continuous probability distributions, sampling, estimation, and hypothesis testing. Distribution: Advanced. Prerequisite: MATH140 and MATH 141.

**MATH 318 - Exploratory Data Analysis with R (3 credits)**
Exploratory data analysis is an approach to analyzing data sets with statistical graphics, interactive data visualization and numerical techniques. It makes complex data more accessible and understandable. Students will learn how to display, communicate and analyze data using R, one of the top programming languages for data science.
Prerequisite: MATH 110 (B) or MATH 311 (C) and one of CPSC 101 (B), CPSC 100 (B), or CPSC 130 (C).

MATH 320 - Linear Algebra (3 credits)
This course deals with the arithmetic of matrices, linear transformation of the plane, algebra of determinants with applications to the systems of linear equations, vector spaces, characteristic values and their application. Distribution: Advanced. Prerequisite: MATH220.

MATH 341 - Differential Equations (3 credits)
This course examines solutions of first order Differential Equations, Linear Equations of Higher Order, Numerical Techniques of Solution, Power Series Methods, LaPlace Transform, and Applications. Distribution: Advanced. Prerequisite: MATH 240 or permission of instructor.

MATH 351 - Modern Geometry (3 credits)
Problem solving in Geometry will be the main focus of this course. Three types of problems are studied. The first will be straightedge and compass constructions from Euclidean Geometry. The next will develop the Newton-Poincare model of Lobachevskian Geometry. The third will be isometries of the Euclidean plane. Distribution: Advanced. Prerequisite: MATH220.

MATH 360 - Introduction to Combinatorics (3 credits)
This course introduces the basic techniques and modes of reasoning of combinatorial problem-solving. Topics covered include elementary counting principles, permutations and combinations, the inclusion/exclusion principle, recurrence relations, basic properties of graphs and digraphs, trees, graph coloring, and Eulerian and Hamiltonian circuits. Distribution: Advanced. Prerequisite: MATH220.

MATH 402 - Applied Statistical Methods (3 credits)
Students in this course will be provided with practical applications of several commonly used statistical procedures, including correlation analysis, simple and multiple regression analysis, one- and two-way analysis of variance and experimental design and parametric statistics for undergraduate and graduate health and science majors. Distribution: Advanced. Prerequisite: Either of MATH 110 (B or better) or MATH 311 (C or better) and either of CPSC 100 (B or better) or CPSC 101 (B or better).

MATH 405 - Experimental Design and Sampling for Surveys (3 credits)
This course gives an introduction to survey sampling and experimental design. The topic of survey sampling covers the typical sampling methods, the calculation of estimators of population and sample size calculations. The topic of experimental design covers the typical methods of design of experiments, ANOVA (analysis of variance) for these design methods, multiple comparisons and contrast analyses. The emphasis will be on applications of the methods of survey sampling and experimental design. The computer package SAS will be required for data analysis. Prerequisite: Either MATH 311 or MATH 110 (B or better) and one of CPSC 130, CPSC 101 (B or better), or CPSC 100 (B or better).

MATH 411 - Statistics II (3 credits)
The mathematical properties of the sampling distributions of statistics will be investigated to develop criteria for precise estimation, powerful hypothesis testing, and assessing the robustness of model assumptions. Emphasis will be placed on the classical methods associated with the normal distribution and to the analysis of real data with linear models. Standard software packages will be used. Distribution: Advanced. Prerequisite: MATH141 AND MATH311.

MATH 416 - Linear Statistical Modeling with SAS (3 credits)
This course is intended for advanced undergraduate students, graduate students, and working professionals who engage in applied research. Statistical linear modeling methods are used in conjunction with SAS computer software to analyze data from experiments and observational studies. Topics include regression analysis, analysis of variance, multiple comparisons and multiple tests, mixed models, analysis of covariance, logistic regression, and generalized linear models. Distribution: Advanced. Prerequisite: Either of MATH 110 (B or better) or MATH 311 (C or better) and either of CPSC 100 (B or better) or CPSC 101 (B or better).

MATH 420 - Number Theory (3 credits)
This course deals with the study of the divisibility properties of integers, the theory of congruences, continued fractions, linear diophantine equation in one variable and more than one variable, algebraic number fields, and rings of algebraic integers. Distribution: Advanced. Prerequisite: 12 hours of college mathematics.

MATH 421 - Abstract Algebra (3 credits)
This course will introduce the students to the basic algebraic structures, including groups, rings and fields. Distribution: Advanced. Prerequisite: MATH220 AND MATH240.

MATH 425 - Introduction to Mathematical Modeling (3 credits)
This course initiates the construction, analysis and research of real world mathematical models in order to promote creativity and emphasize ingenuity for finding reasonable solutions to open-ended problems, including experimentation and simulation. The study of theoretical model types is left for more advanced courses. Distribution: Level III Writing (W3) Advanced. Prerequisite: MATH240 AND MATH320.

MATH 430 - History Of Mathematics (3 credits)
This course studies the biographies of leading mathematicians and their contributions to mathematics, the historical development of subject-matter fields of mathematics, and the role that mathematics has played in the development of civilization. Distribution: Level II Writing (W2) Advanced. Prerequisite: MATH220 AND MATH240.

MATH 431 - Teaching Mathematics Using Technology (3 credits)
This course is designed for pre-service and in-service teachers of secondary mathematics. It is a capstone course in both mathematics and the technology used in the mathematics classroom. Students will use various calculators and computer programs to solve significant problems and prepare lessons in calculus, statistics and geometry. This course may not be used as an elective for the B.A. in Mathematics or the B.S. in Applied Mathematics. Distribution: Advanced. Prerequisite: 24 credits of mathematics (140 or higher) or graduate standing in Mathematics Education.

MATH 440 - Real Analysis (3 credits)
This course introduces students to the basic analytical structures of the real numbers and function, including limits, sequences, series, topology and continuity. Distribution: Advanced. Prerequisite: MATH220 AND MATH240.

MATH 445 - Mathematics in Modern Technology (3 credits)
This course is designed to introduce the student to some of the contemporary mathematical practices that have been developed to address problems relating to such technologies as digital image compression, edge detection and signal de-noising. Using appropriate software the students will learn how to model a variety of filters and advanced mathematical transformations and to apply them to real-life problems.


**MATH 470 - Numerical Methods (3 credits)**
This course will develop the numerical algorithms and error estimates for finding roots, solving equations, and curve fitting. The emphasis is on algorithms with good error characteristics and reduction of round off error.
Distribution: Advanced. Prerequisite: MATH141 AND MATH320.

**MATH 470 - Operations Research (3 credits)**
This course gives an introduction to both deterministic and stochastic operations research. The covered topics will include the nature of operations research, linear programming, project scheduling, dynamic programming, integer programming, queuing theory and stochastic simulation.
Distribution: Advanced. Prerequisite: MATH311 AND MATH320 with grades of "C" or higher.

**MATH 485 - IS: (3 credits)**
An additional prerequisite is MATH 280 (C) if the student is preparing for the financial math.

**MATH 481 - Actuarial Studies (3 credits)**
In this course, students will apply the mathematical foundations of probability and statistics, and of mathematics of finance, to actuarial science. Students will review the foundational topics and solve applied problems in the pricing and structure of insurance. Furthermore, students will use the techniques of net present value and focal dates of financial payments to solve insurance related problems. The goal is to prepare students to pass the Society of Actuaries exams on probability and financial math.
Prerequisite: MATH 140 (C), MATH 141 (C), MATH 240 (C), MATH 311 (C). An additional prerequisite is MATH 280 (C) if the student is preparing for the financial math exam.

**MATH 485 - IS: (3 credits)**
This experience is taken upon the initiative of a student who seeks to study with a knowledgeable faculty member in order to deepen a specific interest in a particular academic discipline.
Distribution: Advanced.

**MATH 486 - Field Experience & Internship (3 credits)**
This course consists of in-depth involvement in an environment that focuses on the use of mathematics to model and solve industrial, administrative, business or governmental problems. The student will work under direct professional supervision.
Distribution: Advanced. Prerequisite: MATH220 AND MATH240 AND MATH311 AND MATH320.

**MATH 487 - Internship in Statistics (3 credits)**
This course consists of in-depth involvement in an environment that focuses on the use of statistics to model and solve problems. The student will work under direct professional supervision.
Prerequisite: A grade of C or better in one of the following courses: MATH 311, MATH 402, MATH 405, MATH 411, MATH 416.

**MATH 499 - Student Teaching Internship (1 credit)**
This course is designed to provide the student with an opportunity to work with a faculty member in the student’s primary Arts and Sciences discipline during the student teaching experience. The course will enhance the student’s ability to understand and maximize the relationship between disciplinary subject matter and pedagogy.
Distribution: Advanced.

**Middle Level Education**

**About the Programs**
The four-year program in Middle Level Education is designed to offer students a curriculum of general education, content knowledge, and professional and middle education theory, application, and practice in teaching children in grades 4-8. The curriculum is designed to develop a community of learners who are competent and reflective professionals able to teach any child in any setting.

The courses and extensive field based component develops beginning educator’s knowledge, skills, and dispositions relevant to content, the learner and the learning environment, teaching and learning process, and professionalism.

There is a strong focus on content knowledge in this program and students must select an 18 credit area of concentration in either English/Language Arts/Reading, Social Studies, Science or Math. Graduates of the MLED major will be eligible to become certified to teach any subject in Grades 4-6 and grades 7-8 in their concentration area.

Students interested in this age level can also combine Special Education certification with Middle Level Certification (see Special Education major p. 381 for details).

All teacher education students should be in frequent consultation with their academic advisers to make sure they are meeting the appropriate program and certification requirements which will vary depending on a variety of circumstances.

This program is jointly offered by the Department of Early Childhood & Elementary Education (570-422-3356) and the Department of Professional and Secondary Education (570-422-3363).

**Are you interested in...**

- Working with middle level children
- Teaching others
- Using your creativity

**Choose Middle Level Education at ESU**

- Qualified, experienced faculty
- Practical experience in authentic settings
- Strong content preparation

More detailed career information is available from the department.

**Middle Level Education B.S. (4 to 8)**

**Program Features**

109 credits
(109-111 credits for Math concentration)

Changes to the current program requirements have been submitted for approval and are under review. Please see your advisor or the department chair if you have any questions.

**Required Coursework:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 105</td>
<td>GN: General Biology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 115</td>
<td>GN: Chemistry, Molecules and Life</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>ENGLISH COMPOSITION FOR SECONDARY ENGLISH AND MIDDLE LEVEL EDUCATION MAJORS</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Any ENGL 173-188</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 190</td>
<td>GN: Multicultural American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 412</td>
<td>Teaching of Writing in the Secondary and Middle Schools</td>
<td>3</td>
</tr>
<tr>
<td>HIST 111</td>
<td>GN: World History to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 141</td>
<td>GN: United States History to 1877</td>
<td>3</td>
</tr>
<tr>
<td>ECON 111</td>
<td>GN: Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 120</td>
<td>GN: Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 105</td>
<td>GN: Physics for the Inquiring Mind</td>
<td>3</td>
</tr>
<tr>
<td>MATH 105</td>
<td>Mathematical Problem Solving for Pre-K to Grade 8 Education Majors</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 130</td>
<td>GN: Applied Algebraic Methods</td>
<td>3</td>
</tr>
<tr>
<td>MATH 205</td>
<td>Geometry for Pre-K to Grade 8 Education Majors</td>
<td>3</td>
</tr>
</tbody>
</table>
### Professional Core Coursework

- **ELED 350** Middle School Methods 3
- **ELED 450** Seminar in Middle School Methods 3
- **PSED 150** Introduction to Teaching All Students 6
- **PSED 244** Adolescent Psychology 3
- **PSED 250** The Psychology of Learners In Diverse Communities 3
- **REED 350** Teaching Reading to Communities of Diverse Learners 3
- **SPED 350** Assessment of Student Learning and Behavior in Diverse Communities 3
- **SPED 351** Collaboration for Inclusion 3

### Required One Content Area Concentration:

Each student chooses one content area and will be certified in that area for 7th and 8th grade.

#### English/Language Arts/Reading:
- **ENGL 203** GN: Advanced Composition 3
- **ENGL 208** Writing About Young Adult Literature 3
- **ENGL 231** English Grammar 3
- **ENGL 192** GN: Native American Literature 3
- **OR**
- **ENGL 194** GN: African American Literature 3
- **OR**
- **ENGL 196** GE: Italian American Literature 3
- **Any 200 level literature course**
- **Any 300 level literature course**

#### Math Choice 1:
- **MATH 135** GN: Pre-Calculus 3
- **MATH 140** GN: Calculus I 4
- **MATH 220** Discrete Mathematical Structures 3
- **MATH 320** Linear Algebra 3
- **MATH 351** Modern Geometry 3
- **MATH 431** Teaching Mathematics Using Technology 3

#### Math Choice 2:
- **MATH 140** GN: Calculus II 4
- **MATH 220** Discrete Mathematical Structures 3
- **MATH 320** Linear Algebra 3
- **MATH 351** Modern Geometry 3
- **MATH 431** Teaching Mathematics Using Technology 3

#### Science Choice 1:
- **BIOL 114** GN: Introductory Biology I 4
- **CHEM 121** GN: General Chemistry I 3
- **CHEM 123** GN: General Chemistry I Lab 3
- **GEOG 121** GN: Physical Geology 3
- **GEOG 220** GE: Meteorology 3
- **PHYS 131** GN: Fundamental Physics I 4

#### Science Choice 2:
- **BIOL 114** GN: Introductory Biology I 4
- **CHEM 121** GN: General Chemistry I 3
- **CHEM 123** GN: General Chemistry I Lab 3
- **GEOG 121** GN: Physical Geology 3
- **GEOG 220** GE: Meteorology 3
- **PHYS 131** GN: Fundamental Physics I 4

#### Math Choice 1:
- **CHEM 123** GN: General Chemistry I Lab 1
- **PHYS 121** GN: Astronomy: The Sky and Solar System 3
- **PHYS 122** GN: Astronomy: Stars and Galaxies 3
- **PHYS 131** GN: Fundamental Physics I 4

#### Social Studies:
- **GEOG 110** GN: Cultural Geography 3
- **GEOG 121** GN: Physical Geology 3
- **HIST 142** The United States as a Developing Nation in the Nineteenth Century 3
- **HIST 352** History of Pennsylvania 3
- **POL 111** GN: Principles of Political Science 3
- **SOC 111** GN: Introduction to Sociology 3

### Additional Requirements:
- 2.8 GPA for admittance to the Department
- 3.0 GPA overall for eligibility for Student Teaching
- 3.0 GPA in major for Student Teaching

### 4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

#### Freshman Year Fall
- **PSED 150** Introduction to Teaching All Students 6
- **ENGL 104** English Composition for Secondary English and Middle Level Education Majors 3
- **MATH 105** Mathematical Problem Solving for Pre-K to Grade 8 Education Majors 3
- **FIT Elective** 1
- **HIST 141** GN: United States History to 1877 3
- **PEARSON Pre-Service Academic Performance Assessment (PAPA) Reading, Writing, & Math**

**Subtotal: 16**

#### Spring
- **PSED 250** The Psychology of Learners In Diverse Communities 3
- **ENGL 188** GN: Mystery Fiction 3
- **MATH 205** Geometry for Pre-K to Grade 8 Education Majors 3
- **Biol 105** GN: General Biology 3
- **HIST 111** GN: World History to 1500 3
- **FIT Elective** 1

**Subtotal: 16**

#### Sophomore Year Fall
- **GEOG 120** GN: Physical Geography 3
- **MATH 110** GN: General Statistics 3
- **F/P/Arts/Phil/ML Choice Course** 3

**Subtotal: 15**

#### Spring
- **ENGL 190** GN: Multicultural American Literature 3
- **MATH 130** GN: Applied Algebraic Methods 3
- **MATH 135** GN: Pre-Calculus 3
- **CHEM 115** GN: Chemistry, Molecules and Life 3
- **PSED 244** Adolescent Psychology 3

**Subtotal: 15**
The Faculty of Arts and Letters offers a variety of programs in Communications, Health Studies, Psychology, Hotel/Restaurant/Tourism, English, History, and many other fields. As employment opportunities become increasingly international in their nature, language majors are finding new career possibilities in the realms of international business, media or technology. With a careful selection of courses supplementing their language major, it is possible for a student to pursue graduate studies in medicine, business, or law. Whatever a student’s professional interest, pursuing the study of another language can only enhance the potential for success while increasing marketability.

**Programs**

The primary mission of our Department is to offer students a comprehensive program of studies in Spanish. Students may choose from a Bachelor of Arts degree -- typically leading to a career in translation, business, government, non-profits, or social services -- or a Bachelor of Science degree, which includes K-12 teaching certification. Three minors are offered, each with distinct strands of language, culture and workforce-related content: Spanish, Spanish for the Professions, Chinese Language and Culture.

Other languages may also be offered, whether on a traditional basis or via individualized instruction or a distance modality. These include Arabic, Greek, Japanese, Latin, Portuguese and Russian.

Whatever the level of language study chosen by the student, the basic goal remains the same: to acquire useful proficiency in that language with meaningful cultural knowledge. In its pursuit of these goals, the department follows the guidelines and standards established by such professional organizations as the American Council on the Teaching of Foreign Languages (ACTFL), the Modern Language Association (MLA), the Council for the Accreditation of Educator Preparation (CAEP; formerly NCATE) and the various professional organizations affiliated with those languages in which degrees are offered (AATSP and CLTA).

**Overseas Travel/Study/Internships**

Global opportunities offer students unparalleled insight into different languages and cultures, and also shed new light on professional possibilities. Study abroad is a transformative experience on many levels. The great majority of ESU language majors and minors opt to spend a month, a semester or a full academic year in another country. ESU’s Office of International Programs assists students with choosing a destination, academic integration of overseas credits, financial planning and issues of acculturation. As a member of the National Student Exchange (NSE) and the International Student Exchange Program (ISEP), ESU ensures that students receive the widest possible selection of destinations at the lowest possible cost. In addition, internships can be arranged in the U.S. and abroad, enhancing the student’s professional prospects upon graduation.

**Are you interested in ...**

- Becoming fluent in a second or third language?
- Gaining a competitive edge with a valuable second major or minor?
- Unique travel experiences?
- Exploring other cultures in-depth?

**Choose Modern Languages at ESU for...**

- Small class sizes
- Skilled faculty from around the world
- Interactions with Business, Health Studies, etc.
- Extensive career placement
- State-of-the-art Language Learning Center
- Affordable study abroad options

**Career Potential**

- Language Educator
- Translator / Interpreter
• Hospitality Program Manager
• Bilingual Specialist in Healthcare, Sales, Social Work
• Linguist

**Career Settings**
• K-12 Schools
• International Business
• Media Communications
• Digital Services/Web Development
• Technology
• United Nations or Peace Corps
• Graduate School

More detailed career information is available from the department.

### Spanish B.A.

1. All students pursuing a Bachelor of Arts degree in Spanish must complete a minimum of 12 credits at ESU in their target language at a level higher than Language 215 (Language IV). Of these 12 credits, a minimum of three (3) credits must be at the 400 level.
2. Students must maintain a minimum quality point average of 2.50 in the major. No grade less than “C” will be accepted in any course within the major.
3. The department very strongly encourages students majoring in a language to participate in study abroad. Appropriate credit will be awarded for courses taken through programs approved by the department.
4. Additional information can be found in the Department of Modern Languages office.

**PROGRAM FEATURES: SPANISH**

30 credits

**Required courses:**
- MLSP 310 A Critical Approach to Spanish Literature 3
- MLSP 315 Spanish Grammar and Composition 3
- MLSP 336 Spanish Oral Practice 3
- MLNG 361 Introduction to Linguistics 3

**18 additional MLSP credits in any course except:**
- MLSP 116 GN: Spanish I 3
- MLSP 120 Spanish Masterpieces in Translation 3
- MLSP 231 Spanish For Travelers 3

Six of these 18 credits must be met with 400-level courses (excluding MLNG 486).

**Additional requirements:**
Please see the university requirements in this catalog.

**4 YEAR CURRICULUM PROGRAM PLAN**

**Bachelor of Arts in Spanish**
(Subject to change by the university without notice)

**Freshman Year Fall**
- MLSP 117 GN: Spanish I 3
- ENGL 103 English Composition 3
- GenEd ___ General Education Elective - Humanities #1 3
- GenEd ___ General Education Elective - Social Science #1 3
- GenEd ___ General Education Elective - Science #1 3

**Spring**
- MLSP 214 GN: Spanish II 3
- FYE 100 University Studies 3
- GenEd ___ General Education Elective - Humanities #2 3

**Sophomore Year Fall**
- MLSP 215 GN: Spanish IV 3
- MLSP ___ MLSP Elective 3
- GenEd ___ General Education Elective - Humanities #3 3
- GenEd ___ General Education Elective - Social Science #3 3
- HPLW 105 Health Promotion and Lifetime Wellness 3

**Junior Year Fall**
- MLSP 315 Spanish Grammar and Composition 3
- MLSP 336 Spanish Oral Practice 3
- MLSP ___ MLSP Elective 3
- GenEd ___ General Education Elective - Science #3 3
- XXXX ___ Elective 3

**Spring**
- SEMESTER ABROAD, OR:
  - MLSP ___ Language 400-level literature/civilization 3
  - MLSP ___ MLSP Elective 3
  - XXXX ___ Elective 3
  - XXXX ___ Elective 3
  - GenEd ___ General Education Elective - Science #2 3

**Senior Year Fall**
- MLSP ___ MLSP Elective 3
- MLSP ___ Language 400-level literature/civilization 3
- XXXX ___ Elective 3
- XXXX ___ Elective 3
- XXXX ___ Elective 3

**Spring**
- INTERNSHIP, OR:
  - XXXX ___ Elective 3
  - XXXX ___ Elective 3
  - XXXX ___ Elective 3
  - MLSP ___ MLSP Elective 3
  - MLSP ___ Language 400-level literature/civilization 3

**Chinese Language and Culture Minor**

**PROGRAM FEATURES**
18 credits

**Required courses:**
- MLCH 116 GN: Chinese I 3
- MLCH 117 GE: Chinese II 3
- MLCH 214 GE: Chinese III 3
- MLCH 215 GE: Chinese IV 3
The International Studies Minor at East Stroudsburg University is designed to provide the undergraduate student with an interdisciplinary program of coursework and international experience that enhances the knowledge and skills acquired in the student’s chosen major.

Students pursuing this minor become better equipped to engage the process of globalization in an informed way. In addition, they develop a multilingual dimension that is not only sought by employers but also advocated nationally as a step toward constructive world citizenship. The minor is open to all matriculating students at East Stroudsburg University, and it may be used to enrich any degree program.

In conjunction with his or her academic adviser and with a member of the Modern Languages Department, the student develops a plan of coursework fulfilling two areas of study, as follows:

A. FOCUSED COURSEWORK ON AN INTERNATIONAL THEME (UP TO 12 CREDITS)

International themes might include area studies, economic interdependence, global environmental issues, comparative cultural studies, transnational business, world political systems, international healthcare alternatives, or others.

Specific requirements:
At least six of the 12 credits must be from the following departments: Economics, Geography, History or Political Science. Only three of the 12 credits may be from a 100-level course. At least six of the 12 credits must be at the 300/400 level. All courses must fit the student’s pre-approved study plan.

More than 12 credits may be accepted for this requirement if fulfillment of the language requirement (below) requires fewer than nine credits.

B. FOREIGN LANGUAGE PROFICIENCY (UP TO NINE CREDITS)

Students must achieve intermediate-level fluency in a second (or third) language. This requirement may be met in a number of ways.

Native English-speaking students have two options:
- They may complete semesters 1 through 4 of a language offered at ESU. Students with some prior experience or coursework with the language may be placed directly into level 2, 3 or 4, as determined by the placement process followed within the department.
- Alternatively, they may be evaluated as having achieved Intermediate-equivalent proficiency via transfer credits in language from another university (U.S. or foreign), or via other non-academic experiences. In this case, the evaluation will be made by members of the department or by other appropriate language professionals.

Students whose native language is not English may seek recognition of fluency in their native language and will be asked to fulfill two requirements:
- Completion of a course designed specifically for native speakers of their language, such as the one currently offered regularly at ESU for Spanish. If unavailable in the desired language, the course may be waived at the discretion of the department.
- Completion of six credits of coursework in a language that is neither English nor their native language.

Students will be very strongly encouraged to engage in a semester-length or summer study abroad experience, with appropriate guidance provided. Credits earned overseas can be applied toward completion of the minor's 21 credits.

A quality point average of 2.5 must be maintained.
Upon completion of both components of the minor the student will write a final essay that includes reflections on his or her coursework and intercultural experiences.

Spanish Minor

PROGRAM FEATURES
Students are required to complete a minimum of 18 credits in the target language. Any target language courses may be counted for the minor. In addition, MLNG 361 Introduction to Linguistics counts toward the minor. MLSP 120 Spanish Masterpieces in Translation does not count.

Additional Requirements:
Twelve credits in the minor must be completed at East Stroudsburg University. This residency requirement applies to all students, including transfer students who arrive with credits completed elsewhere.
Students are required to maintain a GPA of 2.50. No grade less than "C" will be accepted in any course within the minor. Native speakers choosing a minor in their native language will be required to complete 12 credits at the 300-400 level.

Spanish for the Professions Minor

PROGRAM FEATURES
18 credits

Required courses
At least 3 credits from the following courses:
MLSP 232  GN: Conversational Spanish for Business  3
MLSP 233  GN: Conversational Spanish for Health Services  3
MLSP 234  GN: Conversational Spanish for Social Services  3
MLSP 251  GN: Translation: Spanish  3
Or other professionally-oriented courses in Spanish as approved by the department.

MLSP 307
Three credits at the 300- or 400-level
Spanish coursework with significant emphasis on culture, as approved by the department. Such courses currently include MLSP 305 La cultura a través del cine, MLSP 444 Cultural History of Spain, MLSP 445 Cultural History of Latin America, and MLSP 450 US Latino Literature and Culture.


**Up to 9 credits in other courses in Spanish**

Not including MLSP 116

**Additional Requirements**

Minimum GPA in the minor of 2.50

---

### Modern Languages Faculty

**Professor:**

Paul Creamer (pcreamer@esu.edu)  
Esther Daganzo-Cantens (edcantens@esu.edu)  
Jeffrey Ruth, Chair (jruth@esu.edu)

**Associate Professors:**

Annie Mendoza (amendoza@esu.edu)

---

### MLAR - Arabic

**MLAR 116 - GN: Arabic I (3 credits)**

This is a foundation course in elementary Arabic. Emphasis will be placed on developing basic oral proficiency, studying the structure of the language, and examining its relevant cultural contexts. Multimedia resources at the Language Learning Center will supplement course materials.


**MLAR 117 - GE: Arabic II (3 credits)**

This course completes the first-year introduction to Arabic, providing students with the knowledge and skills needed to function at the elementary level. Emphasis will be placed on developing oral proficiency appropriate to level II, studying grammatical structures of the language, and further examining relevant cultural context. Multimedia resources at the Language Learning Center will supplement course materials.


---

### MLCH - Chinese

**MLCH 116 - GN: Chinese I (3 credits)**

This course introduces students to essential oral and written communication in Chinese. The classroom experience is communicative and rich in target-language discourse. Study of grammar, vocabulary and culture enables basic interactions within Chinese-speaking communities.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G).

**MLCH 117 - GE: Chinese II (3 credits)**

This course reinforces and expands basic communication skills in essential oral and written Chinese. The classroom experience is communicative and rich in target-language discourse. Students further their knowledge and competencies in grammar, vocabulary and culture for basic communication within Chinese-speaking communities.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (C).

**MLCH 120 - GN: Chinese Masterpieces in Translation (3 credits)**

This course introduces students to key works of Chinese fiction and poetry. Through guided readings in English and via discussion and class projects, students are exposed to the wide cultural impact of this literature and its relevance in today's society. Some basic dimensions of Chinese-English literary translation are addressed. No prior experience with Chinese is presumed.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G).

**MLCH 214 - GE: Chinese III (3 credits)**

This is a third-semester course designed to advance students toward intermediate proficiency in Chinese (Mandarin). Reading, writing, listening and speaking skills will be developed via textbook and multimedia resources both in and out of the classroom, with a communicative orientation emphasizing authentic cultural content and real-world competencies.

Distribution: GE: Humanities - Foreign Lang | Advanced. Prerequisite: MLCH 215 or equivalent.

**MLCH 215 - GE: Chinese IV (3 credits)**

This is a fourth-semester course designed to advance students toward upper-intermediate proficiency in Chinese (Mandarin). Reading, writing, listening and speaking skills will be developed via textbook and multimedia resources both in and out of the classroom, with a communicative orientation emphasizing authentic cultural content and real-world competencies.

Distribution: GE: Humanities - Foreign Lang | Advanced. Prerequisite: MLCH 214 or equivalent.

**MLCH 221 - Reading Chinese (3 credits)**

Written Chinese texts from the realms of business, health-related services, literature, philosophy and science form the core materials for this intermediate-level course. Its purpose is to improve each student's facility in reading Chinese (Mandarin). A systematic review of language structures and regular acquisition of new vocabulary will accompany the guided readings. Simplified Chinese characters will be used almost exclusively in these readings.

Distribution: Advanced. Prerequisite: MLCH 215 equivalent.

**MLCH 235 - Chinese Listening and Speaking (3 credits)**

This is an intermediate-level course designed to advance students toward upper-intermediate proficiency in Chinese (Mandarin). Reading, writing, listening and speaking skills will be developed via textbook and multimedia resources both in and out of the classroom, with a communicative orientation emphasizing authentic cultural content and real-world competencies.

Distribution: GE: Humanities - Foreign Lang | Advanced. Prerequisite: MLCH 215 or equivalent.

---

### MLFR - French

**MLFR 116 - GN: French I (3 credits)**

This course introduces students to essential oral and written communication in French. The classroom experience is communicative and rich in target-language discourse. Study of grammar, vocabulary and culture enables basic interactions within French-speaking communities.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G).

**MLFR 117 - GN: French II (3 credits)**

This course reinforces and expands basic communication skills in essential oral and written French. The classroom experience is communicative and rich in target-language discourse. Students further their knowledge and competencies in grammar, vocabulary and culture for basic communication within French-speaking communities.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G). Prerequisite: Students with no previous study in the language, or no more than one year of previous study, will be admitted.

**MLFR 117 - GN: French II (3 credits)**

This course reinforces and expands basic communication skills in essential oral and written French. The classroom experience is communicative and rich in target-language discourse. Students further their knowledge and competencies in grammar, vocabulary and culture for basic communication within French-speaking communities.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G). Prerequisite: MLFR 117.

**MLFR 120 - GN: French Masterpieces in Translation (3 credits)**

This course introduces students to key works of French fiction and poetry. Through guided readings in English and via discussion and class projects, students are exposed to the wide cultural impact of this literature and its relevance in today's society. Some basic dimensions of French-English literary translation are addressed. No prior experience with French is presumed.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G).

---

**MLFR 216 - GE: French III (3 credits)**

This is a third-semester course designed to advance students toward intermediate proficiency in French. Reading, writing, listening and speaking skills will be developed via textbook and multimedia resources both in and out of the classroom, with a communicative orientation emphasizing authentic cultural content and real-world competencies.

Distribution: GE: Humanities - Foreign Lang | Advanced. Prerequisite: MLFR 215 or equivalent.

**MLFR 215 - GE: French IV (3 credits)**

This is a fourth-semester course designed to advance students toward upper-intermediate proficiency in French (Mandarin). Reading, writing, listening and speaking skills will be developed via textbook and multimedia resources both in and out of the classroom, with a communicative orientation emphasizing authentic cultural content and real-world competencies.

Distribution: GE: Humanities - Foreign Lang | Advanced. Prerequisite: MLFR 214 or equivalent.

**MLFR 221 - Reading French (3 credits)**

Written French texts from the realms of business, health-related services, literature, philosophy and science form the core materials for this intermediate-level course. Its purpose is to improve each student's facility in reading French (Mandarin). A systematic review of language structures and regular acquisition of new vocabulary will accompany the guided readings. Simplified Chinese characters will be used almost exclusively in these readings.

Distribution: Advanced. Prerequisite: MLFR 215 equivalent.

**MLFR 235 - French Listening and Speaking (3 credits)**

The purpose of this intermediate-level course is to improve each student's speaking and listening comprehension in Chinese (Mandarin). This is accomplished via authentic Chinese sources (newscasts, music, radio, readings, etc.), practice with communicative situations, ongoing grammatical study and continuing expansion of vocabulary.

Distribution: Advanced. Prerequisite: MLFR 215 equivalent.

---

### Minimum GPA in the minor of 2.50

---

**Modern Languages Faculty**

**Professor:**

Paul Creamer (pcreamer@esu.edu)  
Esther Daganzo-Cantens (edcantens@esu.edu)  
Jeffrey Ruth, Chair (jruth@esu.edu)

**Associate Professors:**

Annie Mendoza (amendoza@esu.edu)
MLFR 141 - GN: French Influence on European Culture (3 credits)
This course, in English translation, concentrates on original esthetic texts, which reveal the movement of ideas at two high points in French civilization. It shows the reasoning behind French baroque, classicism, romanticism, symbolism, Dadaism, and Surrealism. This course is open to all students except French majors.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity & Citizenship (G).

MLFR 214 - GN: French III (3 credits)
This course moves students toward intermediate-level oral and written communication in French. The classroom experience is communicative and rich in target-language discourse. Students gain knowledge and competencies in grammar, vocabulary and culture to deepen communication within French-speaking communities. This is an intermediate course designed to develop the facility of language skills needed to comprehend and discuss the issues raised.

MLFR 215 - GN: French IV (3 credits)
This course consolidates intermediate-level oral and written communication in French. The classroom experience is communicative and rich in target-language discourse. Students gain knowledge and competencies in grammar, vocabulary and culture to deepen communication within French-speaking communities.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity & Citizenship (G) | Advanced. Prerequisite: MLFR 117.

MLFR 221 - Reading French (3 credits)
This is an intermediate level course designed to meet the needs of students who are interested in learning to read French. Students will develop both active and passive vocabulary through reading materials, which are graded as to level of difficulty.
Distribution: Advanced. Prerequisite: MLFR214.

MLFR 231 - GN: French For Traveler (3 credits)
This is an intermediate language course designed for the student who wishes to acquire conversational skills, which will enable the student to travel more efficiently and with greater language ease in French-speaking countries.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Advanced. Prerequisite: MLFR 116 and MLFR 117 or equivalent.

MLFR 235 - Listening/Speaking French (3 credits)
This is an intermediate course designed to develop the listening/speaking skills in the target language. The exercises will include conversations, commercials, and formal speeches. Students will be able to distinguish between formal and colloquial language.
Distribution: Advanced. Prerequisite: MLFR214.

MLFR 251 - Translation: French (3 credits)
This is an intermediate course designed to develop the facility of translation into English with texts, which are graded as to level of difficulty. Readings may include several modern short stories, current newspaper articles, magazine articles, and excerpts from various texts.
Distribution: Advanced. Prerequisite: MLFR214.

MLFR 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

MLFR 301 - Introduction to French and Francophone Literature (3 credits)
This course includes reading and analysis of representative works of French and Francophone literature. Students will develop their linguistic skills through a series of interpretative essays and oral reports.
Distribution: Advanced. Prerequisite: MLFR 215 or equivalent.

MLFR 302 - French and Francophone Media (3 credits)
This course will introduce students to the diversity of present-day media in France and the French-speaking world. The course will cover a wide range of sources including print (newspapers, magazines), audio (live and recorded radio broadcasts), video (recorded programs from French television), and various electronic resources. Class participation, oral reports and written assignments will emphasize the development of language skills needed to comprehend and discuss the issues raised.
Distribution: Advanced. Prerequisite: MLFR 215 or equivalent.

MLFR 305 - French and Francophone Cinema (3 credits)
This French-language course is a diachronic examination of the birth and maturation of two intimately related yet distinct film industries: that of France, and that of the Francophone world. Students will view in their entirety a dozen canonical films from these traditions, including works by Jean Renoir, Francois Truffaut, and Ousmane Sembene. Students will be asked to produce oral or written responses to the films they see, as well as a capstone paper.
Distribution: Advanced. Prerequisite: MLFR 215 or 4 years of high school French.

MLFR 307 - French for Professional Communication (3 credits)
Students will read, discuss, evaluate and translate a variety of sources reflecting current developments in the realms of business, science and technology. There will be an introduction to the specialized vocabulary of each profession with extensive practice in discussing topics relevant to these fields. Students will complete a series of oral and written assignments, including technical translations.
Distribution: Advanced. Prerequisite: MLFR 215 or equivalent.

MLFR 312 - French Poetry (3 credits)
This course will trace the evolution of poetic discourse in France, focusing on four periods: Renaissance love lyric, the Romantic poetics of hyperbole, Symbolist poetics (Baudelaire, Verlaine, Rimbaud, Mallarme) and twentieth-century innovations (Apollinaire, Valery, Breton, Eluard, Ponge, Michaux). The intertextual relationship of poetry to painting and music will help situate our reading within a broad cultural context. Students will present several reports and write brief essays in French on the poems studied.
Distribution: Advanced. Prerequisite: MLFR 215 and MLFR 301 or equivalent.

MLFR 315 - French Grammar and Composition (3 credits)
This course consists of a thorough review of grammar, verbs, and idioms with much practical exercise in composition; it is required for all majors. The course is offered on demand.
Distribution: Advanced. Prerequisite: MLFR235.

MLFR 336 - French Oral Practice (3 credits)
This course is designed to help the student attain fluency in French. It includes a presentation, discussion, and criticism of timed oral reports on a wide variety of subjects, as well as individual use of the language laboratory.
Distribution: Advanced. Prerequisite: MLFR235.

MLFR 343 - French Civilization I (3 credits)
This course covers the history, geography and cultural trends of France from early periods to the modern-day.
Distribution: Advanced. Prerequisite: MLFR215.
MLFR 401 - Paris As Cultural Icon (3 credits)
This course will examine selected works of fiction, poetry, films, paintings, photographs and other cultural artifacts which reflect the status of Paris as the capital of French culture. The class will study the links between the city's artistic status and the transformations operated by Haussmann, Mitterrand and other civic leaders.
Distribution: Advanced. Prerequisite: MLFR 301 and MLFR 215 or 4 years high school French.

MLFR 417 - The French Literature of Ideas (3 credits)
This French-language course is a diachronic examination of how a diverse group of French authors used their writings to express philosophical ideas, or to endorse, comment upon, or attack the philosophical ideas of others. Beginning with the Renaissance the course moves on to the Classical period and then the Enlightenment. The twentieth century is given the greatest attention.
Distribution: Advanced. Prerequisite: MLFR 215 or 4 years of high school French, and MLFR 301.

MLFR 423 - Nineteenth Century French Literature (3 credits)
This course examines the backgrounds and distinctive features of Romantic and Realistic periods. It includes readings in prose and poetry from representative authors, including Hugo, Vigny, Musset, Stendhal, Balzac, Zola, Flaubert, and Maupassant.
Distribution: Advanced. Prerequisite: MLFR215 AND MLFR221.

MLFR 424 - Twentieth Century French Literature (3 credits)
This course surveys the significant writers of this century, including Proust, Gide, Colette, Sartre, Camus, and Beckett.
Distribution: Advanced. Prerequisite: MLFR215 and MLFR221.

MLFR 425 - Seventeenth Century French Literature (3 credits)
This course includes readings from Corneille, Racine, Moliere, and other representative writers of the century, as well as supplementary readings and reports on historical backgrounds.
Distribution: Advanced. Prerequisite: MLFR215 and MLFR221.

MLFR 426 - Modern French Drama (3 credits)
This course surveys the French Theatre from the late 19th century to the present. It includes a study of various dramatic forms as seen in the reading of significant plays.
Distribution: Advanced. Prerequisite: MLFR 215 and MLFR 221.

MLFR 485 - Independent Study: (3 credits)
This course will consist of directed research and study on an individual basis. It is only open to advanced students (junior standing) on a limited basis, pending approval of the Department and the instructor. Students must have completed twelve credits at the upper level (300-400) in the target language before requesting Independent Study. Independent study cannot be given in areas in which courses are being taught.
Distribution: Advanced. Prerequisite: Junior standing; 12 upper level (300-400) credits in the target language.

MLFR 495 - Seminar (3 credits)
Distribution: Advanced.

MLGR - German

MLGR 116 - GN: German I (3 credits)
This course introduces students to essential oral and written communication in German. The classroom experience is communicative and rich in target-language discourse. Study of grammar, vocabulary and culture enables basic interactions within German-speaking communities.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G).

MLGR 117 - GN: German II (3 credits)
This course reinforces and expands basic communication skills in essential oral and written German. The classroom experience is communicative and rich in target-language discourse. Students further their knowledge and competencies in grammar, vocabulary and culture for basic communication within German-speaking communities.

MLGR 214 - GE: German III (3 credits)
This is an intermediate level course designed to meet the needs of students who are interested in reviewing German grammar. Students will practice patterns of grammatical structures both orally and in written exercises.
Distribution: GE: Humanities - Foreign Lang | Advanced. Prerequisite: MLGR 117 or 4 years of high school German.

MLGR 215 - German IV (3 credits)
This is a continuation of the German III course. The course is designed to further develop skills already learned as well as to introduce grammatical concepts of a more complex nature.
Distribution: Advanced. Prerequisite: MLGR 214 or equivalent high school preparation.

MLGR 221 - Reading German (3 credits)
This is an intermediate level course designed to meet the needs of students who are interested in learning to read German. Students will develop both active and passive vocabulary through reading materials, which are graded as to level of difficulty.
Distribution: Advanced. Prerequisite: MLGR215.

MLGR 231 - German For Travelers (3 credits)
This is an intermediate language course designed for the student who wishes to acquire conversational skills, which will enable the student to travel more efficiently and with greater language ease in German-speaking countries.
Distribution: Advanced. Prerequisite: MLGR116 AND MLGR117.

MLGR 235 - Listen/Speak German (3 credits)
This is an intermediate course designed to develop the facility of translation into English with texts, which are graded as to level of difficulty. Readings may include several modern short stories, current newspaper articles, magazine articles, and excerpts from various texts. Offered on demand.
Distribution: Advanced. Prerequisite: MLGR215.

MLGR 251 - Translation: German (3 credits)
This is an intermediate course designed to develop the facility of translation into English with texts, which are graded as to level of difficulty. Readings may include several modern short stories, current newspaper articles, magazine articles, and excerpts from various texts. Offered on demand.
Distribution: Advanced. Prerequisite: MLGR215.
MLGR 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

MLGR 315 - German Grammar and Composition (3 credits)
This course is a thorough review of grammar with exercises in composition. Offered on demand.
Distribution: Advanced. Prerequisite: MLGR215.

MLGR 336 - German Oral Practice (3 credits)
This course is designed to help the student attain fluency in German. It includes the presentation, discussion, and criticism of timed oral reports on a wide variety of subjects, memorization of prose and poetry for improving diction, and individual use of the language laboratory. The class is limited to 12 students and is offered on demand.
Distribution: Advanced. Prerequisite: MLGR235.

MLGR 495 - Seminar (3 credits)
This course is designed to help the student attain fluency in German. It includes the presentation, discussion, and criticism of timed oral reports on a wide variety of subjects, memorization of prose and poetry for improving diction, and individual use of the language laboratory. The class is limited to 12 students and is offered on demand.
Distribution: Advanced.

MLIT - Italian

MLIT 116 - GN: Italian I (3 credits)
This course introduces students to essential oral and written communication in Italian. The classroom experience is communicative and rich in target-language discourse. Study of grammar, vocabulary and culture enables basic interactions within Italian-speaking communities.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G).

MLIT 117 - GN: Italian II (3 credits)
This course reinforces and expands basic communication skills in essential oral and written Italian. The classroom experience is communicative and rich in target-language discourse. Students further their knowledge and competencies in grammar, vocabulary and culture for basic communication within Italian-speaking communities.

MLIT 120 - GN: Italian Masterpieces in Translation (3 credits)
This course introduces students to key works of Italian fiction and poetry. Through guided readings in English and via discussion and class projects, students are exposed to the broad cultural impact of this literature and its relevance in today's society. Some basic dimensions of Italian-English literary translation are also addressed. No prior experience with Italian is presumed.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity & Citizenship (G).

MLIT 214 - GE: Italian III (3 credits)
The purpose of this course is to advance students toward an intermediate proficiency in the four communicative modes (listening, speaking, reading and writing) as well as to explore the many facets of Italian and Italian American culture.
Distribution: GE: Humanities - Foreign Lang | Advanced. Prerequisite: MLIT 117, or 4 years of high school Italian.

MLIT 215 - GE: Italian IV (3 credits)
This is a continuation of the Italian III course. This course is designed to further develop intermediate skills already learned, as well as to introduce grammatical concepts of a more complex nature. The many facets of Italian and Italian American culture will continue to be explored.
Distribution: GE: Humanities - Foreign Lang | Advanced. Prerequisite: MLIT 214, or equivalent high school preparation.

MLJA - Japanese

MLJA 116 - GN: Japanese I (3 credits)
This course introduces students to essential oral and written communication in Japanese. The classroom experience is communicative and rich in target-language discourse. Study of grammar, vocabulary and culture enables basic interactions within Japanese-speaking communities.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G).

MLJA 117 - GN: Japanese II (3 credits)
This course reinforces and expands basic communication skills in essential oral and written Japanese. The classroom experience is communicative and rich in target-language discourse. Students further their knowledge and competencies in grammar, vocabulary and culture for basic communication within Japanese-speaking communities.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G). Prerequisite: .

MLLN - Latin

MLLN 116 - GN: Latin I (3 credits)
This course introduces students to Latin pronunciation, grammar, vocabulary, and historical cultural context. Classroom activities and assignments enable students to read excerpts from key classical authors in original or simplified versions.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G).

MLLN 117 - GN: Latin II (3 credits)
This course deepens a student's foundation in Latin grammar and vocabulary, and introduces additional rhetorical considerations from the classical tradition. Classroom activities and assignments enable students to read increasingly complex excerpts from key classical and medieval authors.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G).

MLLN 221 - Reading Latin (3 credits)
This is an intermediate level course designed to develop reading skills in Latin while exploring the fundamental themes and remarkable diversity of Roman literary culture. A sequence of graded readings will include selections from Caesar, Cicero, Catullus, Ovid, and Virgil.
Distribution: Advanced. Prerequisite: MLLN117.

MLNG - Modern Languages

MLNG 120 - GN: Classical Mythology (3 credits)
This course will study the nature and development of classical mythology through its various manifestations in the Greco-Roman world. Topics will include cosmology, Homeric heroes, the Olympians, fertility myths, and ancient religious customs. The class will read from a wide range of primary
texts (Homer, Ovid, Virgil) and will also examine the legacy of classical mythology in selected works of modern art and literature.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity & Citizenship (G).

MLNG 290 - Special Topics: ([Semester hours arranged])
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

MLNG 361 - Introduction to Linguistics (3 credits)
This course examines the nature of language. Characteristics of phonological and grammatical systems and techniques of linguistic analysis are considered. The field of linguistics is discussed.
Distribution: Advanced. Prerequisite: Advanced standing of 60 credits.

MLNG 485 - Independent Study (3 credits)
This course will provide an opportunity for students to receive further language instruction or engage in directed research and study of a selected topic on an individual basis. Specific course requirements and evaluations will be developed by the instructor and approved by the chair.
Distribution: Advanced. Prerequisite: For languages, two courses in the appropriate language or culture area, if those courses exist; for directed research, advanced standing of 75 credits.

MLNG 486 - Internship (3-12 credits)
This course provides advanced students an opportunity to apply and develop their language skills and cultural competencies in a professional setting under faculty and on-site supervision.
Distribution: Advanced. Prerequisite: Pre-requisite: Completion of 90 credits, including a minimum of 9 language credits at the 300-400 level with an average grade of B or better. Department approval.

MLNG 499 - Student Teaching Internship (1 credits)
This course is designed to provide the student with an opportunity to work with a faculty member in the student’s primary Arts and Sciences discipline during the student teaching experience. The course will enhance the student’s ability to understand and maximize the relationship between disciplinary subject matter and pedagogy.
Distribution: Advanced. Prerequisite: Qualification to Student Teach. Concurrent registration in PSED 430 OR PSED 431 required.

MLPG - Portuguese

MLPG 116 - GN: Portuguese I (3 credits)
This course introduces students to essential oral and written communication in Portuguese. The classroom experience is communicative and rich in target-language discourse. Study of grammar, vocabulary and culture enables basic interactions within Portuguese-speaking communities.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity & Citizenship (G).

MLPG 117 - GN: Portuguese II (3 credits)
This course reinforces and expands basic communications skills in essential oral and written Portuguese. The classroom experience is communicative and rich in target-language discourse. Students further their knowledge and competencies in grammar, vocabulary and culture for basic communication within Portuguese-speaking communities.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity & Citizenship (G). Prerequisite: MLPG 116 or equivalent.

MLRU - Russian

MLRU 116 - GN: Russian I (3 credits)
This is a foundation course designed for the beginning student. It includes the study of grammar and reading materials and emphasizes social and cultural values.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C). Prerequisite: Students with no previous study of the language or no more than 1 year of previous study will be admitted.

MLRU 117 - GE: Russian II (3 credits)
This is a continuation of Russian I. Its purpose is to further reinforce previously acquired basic language skills.
Distribution: GE: Humanities - Foreign Lang. Prerequisite: MLRU 116 or equivalent of one semester of college-level study or no more than 2-3 years combined total of junior high/high school language.

MLRU 120 - GN: Masterpieces of Russian Literature in Translation (3 credits)
This General Education course will introduce students to the extraordinary diversity and visionary depth of Russian literature within its historical context. Readings will be drawn from representative 19th and 20th century authors, including Pushkin, Dostoevsky, Tolstoy, Chekhov and Solzhenitsyn. Brief writing assignments will be required.

MLRU 290 - Special Topics: ([Semester hours arranged])
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

MLSP - Spanish

MLSP 116 - GN: Spanish I (3 credits)
This is a foundation course designed for the beginning student. It includes the study of grammar and reading materials and emphasizes social and cultural values.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C). Prerequisite: Students with no previous study of the language or no more than 1 year of previous study will be admitted.

MLSP 117 - GN: Spanish II (3 credits)
This course reinforces and expands basic communication skills in essential oral and written Spanish. The classroom experience is communicative and rich in target-language discourse. Students further their knowledge and competencies in grammar, vocabulary and culture for basic communication within Spanish-speaking communities.
Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Global Diversity and Citizenship (G) | Communication (C). Prerequisite: MLSP 116 or departmental permission.

MLSP 120 - Spanish Masterpieces in Translation (3 credits)
This course is designed for non-Spanish majors in which English translations of Peninsular and Latin American literature are read and discussed. Attention is given to cultural understanding and to the interrelationships of literary works.

MLSP 143 - GE: Spanish Language and Culture Through Media (3 credits)
This course is designed to develop an awareness and understanding of the differences between the cultures of the Spanish-speaking peoples and
that of the student. These objectives are met through the use of media, including slides, films, filmstrips, and recordings. This course is open to all students except Spanish majors. The course is conducted in English and offered on demand.

**Distribution:** GE: Humanities - Foreign Lang.

**MLSP 214 - GN: Spanish III (3 credits)**
This course moves students toward intermediate-level oral and written communication in Spanish. The classroom experience is communicative and rich in target-language discourse. Students gain knowledge and competencies in grammar, vocabulary, and culture to enable a wide variety of communication within Spanish-speaking communities.

**Distribution:** GE: Humanities - Foreign Lang | GN: Group A - Modern Language (AML) | Global Diversity & Citizenship (G) | Communication (C) | Advanced (ADV). Prerequisite: MLSP 116 and 117, or departmental permission.

**MLSP 215 - GN: Spanish IV (3 credits)**
This course consolidates intermediate-level oral and written communication in Spanish. The classroom experience is communicative and rich in target-language discourse. Students gain knowledge and competencies in grammar, vocabulary, and culture to deepen communication within Spanish-speaking communities.

**Distribution:** GE: Humanities - Foreign Lang | GN: Group A - Modern Language (AML) | Communication (C) | Advanced (ADV). Prerequisite: MLSP 116 and 117, or departmental permission.

**MLSP 221 - Reading Spanish (3 credits)**
This is an intermediate level course designed to meet the needs of students who are interested in learning to read Spanish. Students will develop both active and passive vocabulary through reading materials which are graded as to level of difficulty.

**Distribution:** Advanced. Prerequisite: MLSP215.

**MLSP 231 - Spanish For Travelers (3 credits)**
This is an intermediate language course designed for the student who wishes to acquire conversational skills which will enable him to travel more efficiently and with greater language ease in Spanish-speaking countries.

**Distribution:** Advanced. Prerequisite: MLSP 116 AND MLSP 117, or equivalent.

**MLSP 232 - GN: Conversational Spanish for Business (3 credits)**
Students engage in practical, situational communication aimed at preparing them for basic Spanish conversation in a business environment. Specialized vocabulary will be acquired for sales, marketing, finance and other areas. Oral presentations and case studies will supplement everyday classroom activities. Development of intercultural competence will be an essential course goal alongside effective communication.

**Distribution:** GN: Group A - Modern Languages (AML) | Communication (C). Prerequisite: MLSP 117 or permission of instructor.

**MLSP 233 - GN: Conversational Spanish for Health Services (3 credits)**
Practical situations will be simulated in the classroom to provide individuals with basic conversational skills in Spanish in order to communicate with Spanish-speaking patients. Students will learn dialogues based upon typical hospital situations, i.e., parts of the body, useful phrases, and questions for testing, diagnosis, and treatment procedures. Students will also learn to respond more effectively to the needs and requests of the patient. The course may not be counted toward the major in Spanish.

**Distribution:** GN: Group A - Modern Languages (AML) | Communication (C) | Advanced. Prerequisite: MLSP116 AND MLSP117.

**MLSP 234 - GN: Conversational Spanish for Social Services (3 credits)**
Practical situations will be simulated in the classroom to provide opportunities for developing conversational skills useful for personnel in social services (i.e., criminal justice administration and social work). The focus will be on appropriate vocabulary, analysis of native mores, expectations of the U.S. system, and other areas that will promote Spanish communication between social service personnel and people of Spanish-speaking backgrounds. The course may not be counted toward the major in Spanish.

**Distribution:** GN: Group A - Modern Languages (AML) | Communication (C) | Advanced. Prerequisite: MLSP116 AND MLSP117.

**MLSP 235 - Listening/Speaking Spanish (3 credits)**
This is an intermediate course designed to develop the listening/speaking skills in the target language. The exercises will include conversations, commercials, and formal speeches. Students will be able to distinguish between formal and colloquial language.

**Distribution:** Advanced. Prerequisite: MLSP 215 or high school preparation.

**MLSP 290 - Special Topics: ((Semester hours arranged))**
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

**MLSP 305 - La cultura a través del cine (3 credits)**
This course is designed to give students the opportunity to examine and appreciate the rich and diverse cultures of Spain, Latin America and Latinos in the United States through films, videos and selected readings, as well as to improve their formal knowledge of the language. The course will combine lecture, film viewing and discussion in each class.

**Distribution:** Advanced. Prerequisite: MLSP215.

**MLSP 307 - Spanish for Business (3 credits)**
This course provides students who have at least intermediate-level Spanish fluency the opportunity to deepen their language skills via focused study of the business environments of Latin America, Spain and the U.S. Latino communities. Students will practice essential business vocabulary; engage in situational conversation for various commercial sectors; write effective business documents; and learn to communicate appropriately in cross-cultural business settings.

**Distribution:** Advanced. Prerequisite: MLSP 117 or equivalent.

**MLSP 310 - A Critical Approach to Spanish Literature (3 credits)**
This is a course designed to acquaint Spanish students, advancing from skill courses in communication to liberated reading, with basic elements of literary appreciation and methods of literary evaluation.

**Distribution:** Advanced. Prerequisite: MLSP221.

**MLSP 315 - Spanish Grammar and Composition (3 credits)**
This course is a thorough and systematic survey of Spanish grammar. Composition themes will be based on important phases of Spanish life and culture.

**Distribution:** Advanced. Prerequisite: MLSP215.

**MLSP 316 - Spanish for Heritage Speakers (3 credits)**
This course is designed for heritage and bilingual speakers of Spanish who want to improve their formal knowledge of the language and deepen their understanding of the role of language in the many Spanish-speaking communities around the world.
MLSP 336 - Spanish Oral Practice (3 credits)
This course is designed to help the student attain fluency in Spanish. It includes the presentation, discussion, and criticism of timed oral reports on a wide variety of subjects, as well as one-to-one student-teacher conferences and individual sessions in the language laboratory. This class is limited to 12 students and is offered on demand.
Distribution: Advanced. Prerequisite: MLSP235.

MLSP 401 - Readings in Spanish Literature (3 credits)
Students undertake analytical readings of selected works of Spanish literature and engage in critical discussions of them. The course proceeds chronologically, beginning with a short introduction to the Latin roots of Castilian, and providing historical context for subsequent literary movements and writers as they are taken up. Each student will also engage in more focused research and writing on some aspects of the course material covered.
Distribution: Advanced. Prerequisite: MLSP 310 AND MLSP 315 or 4 years of high school Spanish.

MLSP 402 - Readings in Spanish-American Literature (3 credits)
Students undertake analytical readings of selected works of Spanish-American literature and engage in critical discussions of them. The course proceeds chronologically, with a short introduction to indigenous literary compositions, and providing historical context for subsequent Spanish-language movements and writers as they are taken up. Each student will also engage in more focused research and writing on some aspects of the course material covered.
Distribution: Advanced. Prerequisite: MLSP 215 AND MLSP 310 or 4 years of high school Spanish.

MLSP 408 - Medical Spanish (3 credits)
Medical Spanish is designed for working medical professionals (or those soon entering that field) who already possess high intermediate-through-advanced Spanish proficiency. The course focuses extensively on expanding and deepening medical vocabulary, essential grammatical structures, and the cultural subtleties needed to interact effectively with Hispanic patients. Understanding the sociocultural framework of Spanish-speaking patients will be a critical part of the course. Class times will be based on homework practice, and will focus on situational dialogues that model typical conversations found in a variety of healthcare settings. Students will improve the accuracy and breadth of their medically-oriented Spanish, enabling more effective interactions, such as eliciting a medical history, comprehending Spanish descriptions of symptoms, and bridging communication among a patient, her/his family, and the medical institution. The development of useful Spanish conversational skills in a medical context will be the paramount course objective.
Distribution: Advanced. Prerequisite: Departmental determination of (1) Spanish proficiency (minimum: Int. High on ACTFL scale) and (2) appropriate medical training via professional background or academic coursework.

MLSP 410 - Caribbean Literature and Culture (3 credits)
This course examines the literary, cultural, historical and social traditions of the Hispanophone Caribbean, which includes the Antillean and continental nations sharing the Caribbean Sea and coastlines. The course also takes the cultural productions of Caribbean diaspora communities in the US and elsewhere. Emphasis is given to the major literary and social works from the Colonial period to the present.
Distribution: Advanced. Prerequisite: MLSP 310 or equivalent, AND MLSP 315.

MLSP 411 - Cuban Literature & Culture (3 credits)
This course explores how historical, political and social changes in Cuba are represented in Cuban literature and culture from the colonial era to the present. Using literature, music and visual arts, key moments integral to the development of the Cuban nation, as well as Cuban diasporic identity, are examined.
Prerequisite: MLSP 215 and MLSP 310; or departmental permission.

MLSP 421 - Spanish Golden Age Literature (3 credits)
This course includes reading and analysis of key literary works of the Spanish Golden Age, with contextual study of medieval and humanist influences upon authors of that period.
Distribution: Advanced. Prerequisite: MLSP310 AND MLSP315.

MLSP 423 - Mexican Literature (3 credits)
This course is an intensive study of prose literature which has appeared in Mexico since the Revolution. Reading and discussion of major works by Paz, Rulfo, Azuela, Yanez, Fuentes, and Ruben Romero are included. This course is offered on demand.
Distribution: Advanced. Prerequisite: MLSP310.

MLSP 425 - Latin American Short Story (3 credits)
This course examines the development of the modern short story in Latin America from its nineteenth-century roots through several twentieth-century phases and into its present forms. Relevant theory and sociocultural context will accompany the study of this literature. Taught in Spanish.
Distribution: Advanced. Prerequisite: MLSP 310 and one of the following survey courses: MLSP 401 or MLSP 402 or MLSP 444 or MLSP 445.

MLSP 426 - Twentieth Century Spanish Drama (3 credits)
This course is a study of the modern drama including the works of Frederico Garcia Lorca and Alejandro Casona, as well as Post-War dramatists. The course is offered on demand.
Distribution: Advanced. Prerequisite: MLSP310.

MLSP 427 - The Representative Latin American Novel (3 credits)
This course involves reading and analyzing significant Latin American novels which reflect social, political, intellectual, and cultural developments from the colonial period to the present. The course is offered on demand.
Distribution: Advanced. Prerequisite: MLSP310.

MLSP 428 - Twentieth Century Spanish Literature (3 credits)
This course is an in-depth study of representative works of prose and poetry from the generation of 1898 to the present. The course is offered on demand.
Distribution: Advanced. Prerequisite: MLSP310.

MLSP 430 - Modernismo: Prose/Poetry (3 credits)
This course is a study of the writings of the key figures of the Modernismo movement in Latin America and their impact on Hispanic literature in Europe and the Americas. The scope is multinational, and it includes the various generations that constitute this movement. This course is taught in Spanish.
Distribution: Advanced. Prerequisite: MLSP310.

MLSP 435 - Afro-Latin American Literature (3 credits)
This course examines the literature and cultural context of peoples of African descent in Latin American societies from the end of the colonial period to the present day. Through critical readings of literary texts by and about Afro-Latin Americans, with supplementary historical documentation and film students explore the experiences of members of this group and learn how they have been represented in Latin America.
MLSP 440 - Women and Society in the Literature of Spain and Latin America (3 credits)
This course guides students through an analysis of the representation of female characters in the literature of Spain and Latin America from the sixteenth century to the present. The selected literature will be examined for its aesthetics, for its function within society and for the questions raised by it throughout history. Accompanying the literary readings will be contextual study that highlights the evolution of women’s roles in society. Taught in Spanish.
Distribution: Advanced. Prerequisite: MLSP 310 and one additional documented source.

MLSP 444 - Cultural History of Spain (3 credits)
This course consists of selected readings and directed discussion on the cultural history of Spain from the pre Roman era to today. Cultural artifacts to be studied include literature, visual art, music and key historical documents. Each student will also engage in more focused research and writing on some aspect of the course material covered.
Distribution: Advanced. Prerequisite: MLSP 215 AND MLSP 221 or equivalent.

MLSP 445 - Cultural History of Latin America (3 credits)
This course consists of selected readings and directed discussion on the cultural history of Latin America from the pre-contact era to today. Cultural artifacts to be studied include literature, visual art, music and key historical documents. Each student will also engage in more focused research and writing on some aspect of the course material covered.
Distribution: Advanced. Prerequisite: MLSP 215 AND MLSP 221 or equivalent.

MLSP 450 - U.S. Latino Literature and Culture (3 credits)
This interdisciplinary course explores the presence, culture, literature and history of the Latino population in the US, through literary texts, film, media, newspapers and other cultural production. This course is offered in Spanish.
Distribution: Advanced. Prerequisite: MLSP215 AND MLSP310.

MLSP 485 - Independent Study: (3 credits)
This course will consist of directed research and study on an individual basis. It is open to advanced students (junior standing) on a limited basis, pending approval of the Department and the instructor. Students must have completed twelve credits at the upper level (300-400) in the target language before requesting Independent Study. Independent study cannot be given in areas in which courses are being taught.
Distribution: Advanced. Prerequisite: Junior standing: 12 upper-level (300-400) credits in the target language.

MLSP 495 - Seminar (3 credits)
This advanced level course will cover varied topics in Spanish and Spanish American literature and culture. Students will write a research paper and present an oral report. (In addition to presenting an in-depth oral report, graduate students will be required to submit a 15-page research paper in strict compliance with MLA guidelines, which must include at least three documented sources)
Distribution: Advanced. Prerequisite: MLSP 310 and one additional 300/400 level class.

Music

College of Arts and Sciences
The Faculty of Arts and Letters
Music courses are housed within the Theatre department.

Music Faculty

Associate Professor:
James Maroney (JMaroney@esu.edu)

Fine and Performing Arts Center, Room 207
570-422-3759
www.esu.edu/theatre

Performance Opportunities:
- University/Community Concert Band
- Warrior Marching Band
- University Jazz Ensemble

MUS - Music Courses

MUS 100 - GN: Introduction to Music (3 credits)
This course is a survey of western music from the Pre-Renaissance to the present; styles and musical periods are studied and correlated with other areas of learning; listening both in and out of class is stressed.

MUS 101 - GN: Fundamentals Music (3 credits)
This course is designed to give students basic knowledge and skills in music reading, theory or harmony, and aural theory so that they can intelligently read, sing, and perform a simple musical score or diatonic melody. It is recommended that the course be taken during the semester prior to enrolling in Music Theory I.

MUS 105 - GN: History of Rock & Jazz (3 credits)
This introductory course will examine the history of History of rock and jazz music through the study of noteworthy performers, composers, compositions, styles, and trends. Related political, social, cultural, and historical influences will also be discussed.

MUS 134 - Marching Band (1 credits)
The University Marching Band is open to all university students with prior experience at the high school or college level, or with permission of the instructor. The group will be exposed to both standard marching band music and accompanying drill movements. Emphasis will be placed on developing musicianship in the areas of intonation, rhythm and balance, as well as visual effect. The ensemble may be taken for credit or no credit.
Distribution: GE: Humanities - Performing Arts.

MUS 135 - GE: University/Community Concert Band (1 credits)
The University/Community Concert Band is open to all university and community instrumentalists with previous experience in high school and/or college band. This group will be exposed to standard concert band literature, marches, musical show selections, and pop music. Emphasis will be on developing musicianship, especially tone, blend, balance, intonation, rhythmic accuracy, and sight-reading. Public performances may be scheduled by the group’s director.
Distribution: GE: Humanities-Performing Arts.

MUS 242 - GE: Univ Jazz Ensemble (1 credits)
This group will consist of the following instrumental sections: saxophone, trumpet, trombone, and rhythm. The music rehearsed will reflect a wide variety of jazz styles with emphasis on the development of good ensemble techniques, rhythmic accuracy, tonal balance, intonation, improvisation, and sight reading skills.
Distribution: GE: Humanities-Performing Arts.
College of Health Sciences

Nursing

The Faculty of Health Sciences

DeNite Center for Human Services
570-422-3474
www.esu.edu/nurs

About the Program
The Department of Nursing offers a four-year program of study that leads to the Bachelor of Science degree with a major in nursing. This program is accredited by the Accreditation Commission for Education in Nursing Inc. and fully approved by the Pennsylvania State Board of Nursing. Upon completion of the program, a graduate is eligible to apply for the NCLEX-RN Examination for licensure as a registered nurse, and is prepared to function as a generalist in professional nursing practice. The graduate is also eligible for graduate study based on individual achievement.

The program involves a foundation of liberal arts education with basic preparation in professional nursing. A capstone project and related clinical experiences at the end of the senior year facilitates a smooth transition from student to graduate role. Registered nurse baccalaureate graduates are prepared to practice in a variety of settings, which may include hospitals, community agencies, and long-term care facilities.

Mission

The mission of the Department of Nursing is to:

• Prepare citizens qualified to practice as professional nurses in successful competition with graduates of colleges and universities throughout the United States;
• Meet national and local leadership needs in nursing and;
• Find personal life satisfaction in nursing practice through ever widening horizons of understanding and service.

Accreditation

The Nursing degree program is accredited by the Accreditation Commission for Education in Nursing Inc., 3343 Peachtree Road NE, Suite 850, Atlanta GA 30326, a specialized accrediting agency recognized by the U.S. Secretary of Education. In addition, the program is approved by the Pennsylvania State Board of Nursing.

Admission

The admission policies for the nursing program are consistent with the university policies found in the university catalog with the following exceptions:

Freshmen Admission Criteria

Consideration for admission is based on the following guidelines:
1. A minimum SAT score of 1070, or an ACT score of 22 and above, and a grade of B or better in the program sciences (Anatomy and Physiology I & II; Microbiology) on the first attempt. In lieu of an SAT or ACT exam, candidates may take the TEAS exam effective for Fall 2021, with an overall academic preparedness rating on TEAS® of Proficient with sub-section scores at or above the national mean. The current national mean for each sub-section score is as follows:
   +Reading (72.8%)
   +Math (68.83%)
2. A cumulative high school GPA 3.00 and above.
3. Three units of laboratory science selected among biology, chemistry, and physics. The three units may include a second year of an earlier course, for example AP biology.
4. Four units of college preparatory mathematics including Algebra I, Geometry, Algebra II, and a math class for which Algebra II is a prerequisite such as trigonometry or pre-calculus. Freshmen nursing majors will be advised by the Nursing Department Faculty and will register for the following courses:

Fall
BIOL 116/117 Anatomy and Physiology for the Health Professions with lab - 4 credits
MATH 110 General Statistics - 3 credits
PSY 100 General Psychology - 3 credits
FYE 100 University Studies - 3 credits
ENG 103 English Composition - 3 credits
Semester total = 16 credits

Spring
BIOL 118/119 Anatomy and Physiology for the Health Professions II with lab - 4 credits
HLTH/EXSC 105 Health and Wellness - 3 credits
CMST 111 Introduction to Communication - 3 credits
SOC 102 Introduction to Cultural Diversity - 3 credits
General Education Elective - 3 credits
Semester total = 16 credits

Upon completion of the course work noted above, students with a grade of "C" or better in each course and a cumulative GPA of 3.00 or above will progress in the nursing program to their sophomore year.

Transfer Students

The Department of Nursing admits students as freshmen. Seats become available for students not directly admitted as freshmen. Admission for transfer students is very competitive; successful applicants often have 3.0 or higher GPA. Students who are currently East Stroudsburg University students are given preference for admission into the nursing program.

Other Transfer student criteria:
1. Completion of fall semester freshman year, and enrolled in required courses for spring semester.
2. Overall GPA 3.0.
3. Completion of Anatomy and Physiology I and enrollment in Anatomy and Physiology II and related labs, Statistics, General Psychology, First Year Experience and English Composition with grades of 3.0 or higher in each course, and no grades less than a "C".
4. Two letters of recommendation from professors.
5. Letter of intent as to why candidate wants to be a nurse.
6. Interview with nursing faculty may be conducted after the review of submitted materials to the nursing department.
7. And a grade of B or better in the program sciences (Anatomy and Physiology I & II; Microbiology) on the first attempt and an overall academic preparedness rating on TEAS® of Proficient with sub-section scores at or above the national mean. The current national mean for each sub-section score is as follows:
   • +Reading (72.8%)
   • +Math (68.83%)
• +Science (58%)
• +English and Language Usage (66.8%).

All materials need to be submitted to the Nursing Department Admissions, Progression, and Graduation committee by Feb 1 for fall placement only.

Core Performance Standards for Admission and Progression
Applicants and students enrolled in the Department of Nursing must possess the necessary behavioral, intellectual, physical, interpersonal, and communication skills to provide nursing care that is safe for the clients, for themselves, and for other healthcare providers. They must be able to provide safe nursing care in a wide variety of settings with diverse clients. Students must meet these core performance standards to qualify for and remain in the nursing program. Where possible, reasonable accommodations will be provided for those individuals with disabilities to enable them to meet these standards and ensure that students are not denied the benefits of, excluded from participation in, or otherwise subjected to discrimination in this program. The core performance standards for this program are identified in the Undergraduate Catalog.

Time Limit for Completing the Program of Study:
All requirements for the degree in the nursing program must be completed within seven years from the date students begin their studies. Exceptions to this requirement may be approved by the department if extenuating circumstances exist.

Nursing B.S.

PROGRAM FEATURES:

60 Credits

Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 211</td>
<td>Health Assessment for Nurses</td>
<td>2</td>
</tr>
<tr>
<td>NURS 212</td>
<td>Health Assessment for Nurses Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>NURS 213</td>
<td>Theoretical Foundations of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 214</td>
<td>Foundations of Nursing Practice</td>
<td>2</td>
</tr>
<tr>
<td>NURS 215</td>
<td>Nutrition and Diet Therapy</td>
<td>2</td>
</tr>
<tr>
<td>NURS 216</td>
<td>Health Transitions from Birth through Young Adults</td>
<td>2</td>
</tr>
<tr>
<td>NURS 217</td>
<td>Nursing Care from Birth through Young Adults</td>
<td>2</td>
</tr>
<tr>
<td>NURS 218</td>
<td>Introduction to Evidence Based Nursing Practice</td>
<td>2</td>
</tr>
<tr>
<td>NURS 219</td>
<td>Health Transitions I: Experience of Illness in the Middle Adult Years</td>
<td>2</td>
</tr>
<tr>
<td>NURS 220</td>
<td>Nursing Care of Middle-Aged Adults I</td>
<td>2</td>
</tr>
<tr>
<td>NURS 221</td>
<td>Transitions in Mental Health</td>
<td>2</td>
</tr>
<tr>
<td>NURS 222</td>
<td>Nursing Care of Patients Experiencing Transitions in Middle Health</td>
<td>2</td>
</tr>
<tr>
<td>NURS 223</td>
<td>Nursing Care Simulation I</td>
<td>1</td>
</tr>
<tr>
<td>NURS 224</td>
<td>Health Transitions in the Childbearing Family</td>
<td>2</td>
</tr>
<tr>
<td>NURS 225</td>
<td>Nursing Care of Middle-Aged Adults II</td>
<td>2</td>
</tr>
<tr>
<td>NURS 226</td>
<td>Nursing Care Simulation II</td>
<td>1</td>
</tr>
<tr>
<td>NURS 227</td>
<td>Nursing Care of Middle-Aged Adults II</td>
<td>2</td>
</tr>
<tr>
<td>NURS 228</td>
<td>Health Transitions II: Experience of Illness in the Middle Adult Years</td>
<td>2</td>
</tr>
<tr>
<td>NURS 229</td>
<td>Health Transitions III: The Adult Experience of Complex Illness</td>
<td>2</td>
</tr>
<tr>
<td>NURS 230</td>
<td>Nursing Care of Adults with Complex Illness</td>
<td>2</td>
</tr>
<tr>
<td>NURS 231</td>
<td>Nursing Care of the Older Adult</td>
<td>2</td>
</tr>
<tr>
<td>NURS 232</td>
<td>Nursing Care Simulation III</td>
<td>1</td>
</tr>
<tr>
<td>NURS 233</td>
<td>Synthesis of Nursing Knowledge</td>
<td>3</td>
</tr>
<tr>
<td>NURS 234</td>
<td>Nursing Care Simulation IV</td>
<td>1</td>
</tr>
<tr>
<td>NURS 235</td>
<td>Nursing Leadership and Management</td>
<td>2</td>
</tr>
<tr>
<td>NURS 236</td>
<td>NURS 427</td>
<td>Nursing Leadership and Management Applications</td>
</tr>
<tr>
<td>NURS 237</td>
<td>NURS 428</td>
<td>Health Transitions of Diverse Populations in the Community</td>
</tr>
<tr>
<td>NURS 238</td>
<td>NURS 429</td>
<td>Nursing Care of Diverse Populations in the Community</td>
</tr>
</tbody>
</table>

Corequisite courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 116</td>
<td>GE: Human Anatomy and Physiology I for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>Human Anatomy and Physiology I Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 118</td>
<td>GE: Human Anatomy and Physiology II for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 119</td>
<td>Human Anatomy and Physiology II Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 424</td>
<td>Mechanisms Of Disease I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 461</td>
<td>Mechanisms of Disease Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 115</td>
<td>GN: Chemistry, Molecules and Life</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 117</td>
<td>GN: Chemical Basis of Life Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>GN: Introduction to Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>GENED</td>
<td></td>
<td>General Education Elective</td>
</tr>
</tbody>
</table>

4 YEAR CURRICULUM PROGRAM PLAN

Subject to change by the university without notice

Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 116</td>
<td>GE: Human Anatomy and Physiology I for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>Human Anatomy and Physiology I Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 16

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 118</td>
<td>GE: Human Anatomy and Physiology II for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 119</td>
<td>Human Anatomy and Physiology II Laboratory for the Health Sciences</td>
<td>1</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>GN: Introduction to Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
<tr>
<td>GENED</td>
<td></td>
<td>General Education Elective</td>
</tr>
</tbody>
</table>

Subtotal: 16

Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 424</td>
<td>Mechanisms Of Disease I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 461</td>
<td>Mechanisms of Disease Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>NURS 211</td>
<td>Health Assessment for Nurses</td>
<td>2</td>
</tr>
<tr>
<td>NURS 212</td>
<td>Health Assessment for Nurses Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>NURS 213</td>
<td>Theoretical Foundations of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 214</td>
<td>Foundations of Nursing Practice</td>
<td>2</td>
</tr>
<tr>
<td>GENED</td>
<td></td>
<td>General Education Elective</td>
</tr>
</tbody>
</table>

Subtotal: 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 220</td>
<td>Nutrition and Diet Therapy</td>
<td>3</td>
</tr>
<tr>
<td>NURS 221</td>
<td>Theoretical Foundations of Nursing II</td>
<td>2</td>
</tr>
<tr>
<td>NURS 222</td>
<td>Foundations of Nursing Practice II</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 115</td>
<td>GN: Chemistry, Molecules and Life</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 117</td>
<td>GN: Chemical Basis of Life Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>
transcripts will be reviewed on an individual basis in order to determine the appropriate pathway for admission. Required courses:

- **NURS 310** Introduction to Evidence Based Nursing Practice
- **NURS 311** Health Transitions I: Experience of Illness in the Middle Adult Years
- **NURS 312** Nursing Care of Middle-Aged Adults I
- **NURS 313** Transitions in Mental Health
- **NURS 314** Nursing Care of Patients Experiencing Transitions in Mental Health
- **NURS 315** Nursing Care Simulation I

Subtotal: 14

**Junior Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 316</td>
<td>3</td>
</tr>
<tr>
<td>NURS 317</td>
<td>3</td>
</tr>
<tr>
<td>NURS 318</td>
<td>3</td>
</tr>
<tr>
<td>NURS 319</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____ General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 14

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 320</td>
<td>2</td>
</tr>
<tr>
<td>NURS 321</td>
<td>2</td>
</tr>
<tr>
<td>NURS 322</td>
<td>2</td>
</tr>
<tr>
<td>NURS 323</td>
<td>2</td>
</tr>
<tr>
<td>NURS 324</td>
<td>2</td>
</tr>
<tr>
<td>NURS 325</td>
<td>2</td>
</tr>
<tr>
<td>NURS 326</td>
<td>2</td>
</tr>
<tr>
<td>NURS 327</td>
<td>2</td>
</tr>
<tr>
<td>GenEd ____ General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

**Senior Year Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 328</td>
<td>3</td>
</tr>
<tr>
<td>NURS 329</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____ General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 330</td>
<td>2</td>
</tr>
<tr>
<td>NURS 331</td>
<td>2</td>
</tr>
<tr>
<td>NURS 332</td>
<td>2</td>
</tr>
<tr>
<td>NURS 333</td>
<td>2</td>
</tr>
<tr>
<td>NURS 334</td>
<td>2</td>
</tr>
<tr>
<td>NURS 335</td>
<td>2</td>
</tr>
<tr>
<td>NURS 336</td>
<td>2</td>
</tr>
<tr>
<td>NURS 337</td>
<td>2</td>
</tr>
<tr>
<td>GenEd ____ General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

For more information, contact: infonursing@esu.edu.

**Nursing R.N. to B.S.**

**PROGRAM FEATURES:**

RN’s are encouraged to apply to the Bachelor of Science Program. Registered nurse courses are offered online for the convenience of working professionals.

RN’s graduating from accredited, State Board of Nursing approved schools typically transfer credits equivalent to these co-requisite courses. Student transcripts will be reviewed on an individual basis in order to determine class schedules.

**Required courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 211</td>
<td>2</td>
</tr>
<tr>
<td>NURS 212</td>
<td>1</td>
</tr>
<tr>
<td>NURS 220</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 230</td>
<td>3</td>
</tr>
<tr>
<td>NURS 231</td>
<td>3</td>
</tr>
<tr>
<td>NURS 232</td>
<td>3</td>
</tr>
<tr>
<td>NURS 233</td>
<td>3</td>
</tr>
<tr>
<td>NURS 234</td>
<td>3</td>
</tr>
<tr>
<td>NURS 235</td>
<td>3</td>
</tr>
<tr>
<td>NURS 236</td>
<td>3</td>
</tr>
<tr>
<td>NURS 237</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____ General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

**Corequisite courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 116</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 118</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 119</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 424</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 461</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 115</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 117</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>3</td>
</tr>
</tbody>
</table>

**Core Performance Standards for Admission and Progression**

**Issue** | **Standard** | **Examples of Nursing Activities**
--- | --- | ---
Critical Thinking | Critical thinking sufficient for clinical judgment | Competent assessment of clients in a timely manner.
Cognitive | Ongoing capacity to learn new information and skills to provide safe nursing care. This includes the ability to comprehend, measure, calculate, analyze and evaluate diverse forms of information. | Learn new skills and rationales for nursing care in a timely manner. Learn and adopt new methods of providing nursing care to reflect the dynamic nature of health care provision.
Interpersonal | Interpersonal abilities sufficient to interact with individuals, | Establish rapport and relate effectively with clients, their families, and
<table>
<thead>
<tr>
<th>Modalities</th>
<th>Abilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>Communication abilities sufficient for interaction with others in verbal and written form. Follow verbal and written instructions. Clearly communicate with other health care providers by appropriately documenting the nursing interventions provided and the clients’ responses. Provide effective client teaching. Consult with a health care provider in a professional manner.</td>
</tr>
<tr>
<td>Mobility</td>
<td>Physical abilities sufficient to move oneself from room to room, along hallways, and in small or confined spaces. The ability to meet the physical demands of providing nursing care. Lifting, moving, carrying, pushing, pulling, and supporting clients, equipment and other objects independently. Standing, bending, walking, and sitting while working directly with clients and co-workers, and documenting care.</td>
</tr>
<tr>
<td>Motor Skills</td>
<td>Gross and fine motor abilities sufficient to provide safe and effective nursing care. Perform vital signs, CPR, physical assessment, use equipment, hang IVs and tube feedings, draw up and give injections. Document nursing interventions and patient care in legible writing or accurate type.</td>
</tr>
<tr>
<td>Tactile</td>
<td>Tactile dexterity sufficient for physical assessment. Perform palpation, functions of physical examination and/or those related to therapeutic intervention, i.e. insertions of a catheter, giving injections.</td>
</tr>
<tr>
<td>Hearing</td>
<td>Auditory ability sufficient to monitor and assess health needs. Auscultation of blood pressure, breath sounds, bowel sounds. Hearing alarms, call bells, cries for help by clients and families and co-workers. Understanding mechanically reproduced voices such as on audiotape.</td>
</tr>
</tbody>
</table>

**Personal Behaviors**
Maintains personal behaviors consistent with the American Nurses’ Association Code for Nurses.

**Academic Progression Criteria:**
Minimum academic criteria have been established for all students in this degree program. Freshman, sophomore, junior and senior level students are evaluated in the fall and spring semesters to determine whether or not they should continue in the nursing program. The criteria used for evaluation are as follows:

1. **Students must show evidence of being able to successfully complete the professional program.** This evidence includes a minimum cumulative grade point average GPA of 3.0.
2. **Students entering their first semester in the fall of 2020 will be dismissed if their GPA falls below 2.75 at the conclusion of either the fall or spring semesters.**
3. **Students who are dismissed will meet with their faculty advisor and receive a letter from the Admissions, Progression and Graduation Committee (APG) and/or chairperson.**
4. **Students who attain a GPA of 2.76 - 2.99 will be retained in the Nursing Program on a probationary status for one semester only.**
5. **Students are permitted to be on probation only one semester throughout the nursing program.**
6. **Students placed on probation will meet with their faculty advisor and receive a letter from the Admissions, Progression and Graduation Committee (APG) or the chairperson.**
7. **Students dismissed from the nursing program can re-apply when their GPA has increased to 3.0 and they have also achieved a "C" or better in all prerequisite courses. Students may petition for readmission to the APG committee. Readmission is dependent upon available seats in the cohort and is not guaranteed.**
8. **Students must achieve a grade of "C" or better in all courses listed in the nursing curriculum plan which includes nursing and prerequisite courses. However, a "C" in all required courses does not guarantee progression since the minimum required GPA is 3.0.**
9. **Students who do not achieve a required progression grade of "C" or better in nursing or prerequisite courses; the student is only permitted to retake one course one time.**
10. Students who do not achieve a "C" or better in two (2) nursing or prerequisite courses within the same semester will be dismissed from the nursing program.
11. Students who fail to achieve a passing grade in any co-requisite theory and clinical course must retake both of the co-required courses, even if the student earns a passing grade in one of the co-requisite courses. Revised March 2018 in order to maintain NCLEX pass rate mandated by PA State Board of Nursing.

Clinical Nursing Course Requirements
Two months prior to beginning a clinical nursing course, students must submit evidence of current Act 34 clearance, FBI Fingerp and Act 151 child abuse clearance, current CPR certification, professional liability insurance ($1,000,000 per occurrence/$3,000,000 aggregate minimum coverage), appropriate immunizations and titers, and verification of good health, including a negative Mantoux test, or chest x-ray. Immunizations and titers include DT, measles, mumps, Hepatitis B, Rubella vaccine or titer showing immunity and a serology test (VDRL, RPR or STS). Students need to provide evidence of drug screening and yearly flu immunization.

All nursing students must purchase their own malpractice insurance and present evidence prior to enrolling in a clinical nursing course. RN to BS students are also required to present evidence of current licensure in Pennsylvania. Act 34, FBI Fingerprinting and Act 151 clearance forms and health records indicating recent TB and Flu and COVID immunizations.

Additional Expenses
Additional expenses required of students as they progress through the Nursing Program are uniform costs, travel expenses to clinical sites, online testing packages used for NCLEX state board preparation, and application fees for licensure. All nursing students enrolled in clinical courses will have an added fee of $1,000 per semester.

Credit By Examination
Credit for nursing courses may be earned through credit by examination for those students with previous clinical experiences or coursework. Other methods of earning credit are explained in the Advanced Placement section of this catalog.

Eligibility for Licensure Examination
Graduates of the Bachelor of Science program are eligible to apply to the National Council of State Boards of Nursing for licensure to practice as Registered Nurses. Prospective students should note that there are restrictions on licensure due to felony convictions related to controlled substances. For additional information, contact the Nursing Department at 570-422-3474.

Student Organizations
Students are encouraged to join their professional organization, the Student Nurses Association. This is the local chapter of the National Student Nurses Association.

Grievance Procedure
The university’s grievance procedure can be found in the university's Student Handbook.

Nursing Honor Society
Senior students who have achieved a 3.0 cumulative grade point average and who rank in the highest 35 percent of their class are eligible to apply for induction into the Xi Beta Chapter of Sigma Theta Tau International, the nursing honor society.

Nursing Faculty

Associate Professors:
Valerie Braddock (vbraddock@esu.edu)
Monica Manchester (mmanchest1@esu.edu)
Dorian Royal (droyal@esu.edu)
Laura Waters, Chair (lwaters@esu.edu)

Assistant Professors:
Claranne Mathiesen (cmathiesen@esu.edu)
Kelly McLaughlin-Varcoe (kvarcoe@esu.edu)

Instructor:
Michelle Zuccarini (mzuccarini@esu.edu)

NURS - Nursing Courses

NURS 105 - Health Promotion & Lifetime Wellness (3 credits)
This course explores the behaviors in which college students should engage to reduce their risk of acute and chronic diseases and premature death. An emphasis on positively enhancing the dimensions of health and wellness as a resource for college students to meet their short- and long-term goals is emphasized. By focusing on determinants of health as associated to the college student, individual, social, and physical behaviors and conditions will be explored through lecture, self-evaluative experiences, personal fitness and physical activity assessments, experiences, and behavior change principles. Distribution: Wellness (H).

NURS 211 - Health Assessment for Nurses (2 credits)
This course focuses on the holistic health assessment of the adult client. Communication and interviewing skills, physical examination techniques, documentation of findings, and recognizing the significance of selected lab and diagnostic findings will be addressed. Distribution: Advanced. Prerequisite: BIOL 116 and BIOL 118. Corequisite: NURS 212.

NURS 212 - Health Assessment for Nurses Laboratory (1 credit)
This course consists of laboratory experiences for the practical application of holistic health assessment of the adult client. Communication and interviewing skills, physical examination techniques, documentation of findings, and recognizing the significance of selected lab and diagnostic findings are addressed. Distribution: Advanced. Prerequisite: BIOL 116 AND BIOL 118. Corequisite: NURS211.

NURS 213 - Theoretical Foundations of Nursing (3 credits)
This course is an introduction to selected concepts that contribute to the foundation of nursing knowledge, profession, and practice. The course facilitates the students’ ability to integrate knowledge from other disciplines with nursing science as the basis for professional nursing practice. Distribution: Advanced. Prerequisite: BIOL111 AND BIOL112. Corequisite: NURS214.

NURS 214 - Foundations of Nursing Practice (2 credits)
This clinical course provides an opportunity for the application of the nursing process as it relates to selected concepts, values, and skills required for professional nursing practice. Students will practice fundamental nursing skills, including assessment and diagnostic techniques, planning of care and interventions, and evaluation of nursing activities. Distribution: Advanced. Prerequisite: BIOL111 AND BIOL112. Corequisite: NURS213.

Credit for nursing courses may be earned through credit by examination for those students with previous clinical experiences or coursework. Other methods of earning credit are explained in the Advanced Placement section of this catalog.
NURS 216 - Theoretical Foundations of Nursing II (2 credits)
This course is directed to the nursing care of older adults. Unique health and nursing needs of the older adult clients and their significant others will be explored as well as the political, social, economic, ethical and moral issues that have implications for an aging society.
Prerequisite: BIOL 111 (C); BIOL 112 (C); NURS 211 (C) and NURS 213 (C). Corequisite: NURS 217.

NURS 217 - Foundations of Nursing Practice II (2 credits)
This clinical course is directed to the nursing care of older adults. Unique health and nursing needs of the old adult clients and their significant others will be explored as well as the political, social, economic, ethical and moral issues that have implications for an aging society. Students will continue to practice fundamental nursing skills, including assessment and diagnostic techniques, planning of care and interventions, and evaluation of nursing activities. Specific attention will be on the pharmacologic needs, interpretations of laboratory results and other diagnostic tests as it pertains to the patient's medical diagnoses. A variety of hospital and community sites will provide opportunities for students to develop a solid foundation for critical thinking skills while honing in on their interpersonal and therapeutic skills.
Prerequisite: BIOL 111 (C), BIOL 112 (C), and NURS 213 (C). Corequisite: NURS 216.

NURS 220 - Nutrition and Diet Therapy (3 credits)
This course is designed to provide a comprehensive overview of nutrition and its crucial role in maintaining health and promoting rehabilitation. The course focuses on nutritional and public health; nutrients; metabolism; food sources; food selection for nutritional, psychological and cultural values; and on various therapies for disease conditions.

NURS 221 - Health Transitions from Birth through Young Adult (2 credits)
This course focuses on the development, health, and wellness needs of children, adolescents, and young adults. Using developmental and systems theories and a family-centered care approach, current trends and nursing interventions are stressed regarding the physical and emotional needs of infants through young adulthood.

NURS 222 - Nursing Care from Birth through Young Adult (2 credits)
This clinical course provides the opportunity for students to care for children and young adults with acute and chronic health problems in a pediatric clinical setting. Through observational and interactive community site placements, students will be exposed to screenings and application of age specific nursing interventions for well children and their families.
Distribution: Advanced. Prerequisite: NURS211 AND NURS213. Corequisite: NURS221.

NURS 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

NURS 309 - Dynamics of Nursing Practice (3 credits)
In this course the Registered Nurse student will examine various nursing themes and concepts; nursing education; adult education; nursing process; leadership, management, systems theory; and components of the U.S. health care system. Emphasis is placed on effective oral and written communication. Students are expected to refine critical thinking skills and express views in class discussion from readings and material presented.

NURS 310 - Introduction to Evidence Based Nursing Practice (2 credits)
This nursing research course is designed to develop students’ understanding of professional scholarly inquiry and the fundamental principles of scientific investigation that provide a foundation for evidence based nursing practice.
Distribution: Level II Writing (W2) | Advanced. Prerequisite: MATH 110, NURS 213, NURS 221 and ENGL 103.

NURS 311 - Health Transitions I: Experience of Illness in the Middle Adult Years (2 credits)
This course focuses on nursing care of the adult experiencing injury or illness in the middle adult years. Content focuses on the client’s response to altered immune system processes; cell growth, proliferation and death; metabolic homeostasis; obstructions; and related therapeutic interventions.
Distribution: Advanced.

NURS 312 - Nursing Care of Middle-Aged Adults I (2 credits)
This clinical course provides the opportunity to apply their knowledge of physical and psychosocial processes to care of middle-aged adult clients in hospital, home and rehabilitation settings. Students will advance their skills in therapeutic communication, clinical reasoning, and evaluation of evidence based outcomes with adult clients experiencing acute illness or exacerbation of chronic illness.
Distribution: Advanced. Prerequisite: NURS221. Corequisite: NURS311.

NURS 313 - Transitions in Mental Health (2 credits)
This course is based on selected theories of normal and abnormal behavior, psychiatric disorders, and related treatment modalities specific to the nurse practicing in psychiatric/mental health settings.
Distribution: Advanced. Prerequisite: NURS221. Corequisite: NURS311.

NURS 314 - Nursing Care of Patients Experiencing Transitions in Mental Health (2 credits)
This clinical course provides students the opportunity to participate in the care of clients experiencing acute and chronic psychiatric mental health problems. Students develop skills in therapeutic communication and relationships, group leadership, symptom management, teaching/learning, and collaboration with members of the interdisciplinary team.
Distribution: Advanced. Prerequisite: NURS221. Corequisite: NURS311.

NURS 315 - Nursing Care Simulation I (1 credit)
This course provides selected nursing care simulation experiences in the care of the adult with chronic illness and mental health problems. Simulations will address cognitive, psychomotor, affective, communication, developmental, safety, pharmacology and leadership/management/delegation learning outcomes.

NURS 323 - Health Transitions in the Childbearing Family (2 credits)
This course focuses on the theoretical basis and nursing principles necessary to the provision of holistic health care to the childbearing family. Nursing interventions associated with physiological, psychological, developmental, social, and cultural adaptations of women throughout the childbearing cycle, and their newborns, are addressed.
Distribution: Advanced. Prerequisite: NURS311 AND NURS313. Corequisite: NURS324.

NURS 324 - Nursing Care of Middle-Aged Adults II (2 credits)
This is a transition course for licensed practical nurses which includes the study of selected health needs related to adult health care. This theory is
applied in a clinical component. The following concepts are also applied in the clinical component: critical thinking, communication skills, group interaction, beginning leadership and management skills, and theoretical rationale for nursing interventions are explored. A clinical component is included.

Distribution: Advanced. Prerequisite: NURS311 AND NURS313. Corequisite: NURS323.

**NURS 325 - Nursing Care Simulation II (1 credit)**

This course provides selected nursing care simulation experiences in the care of the adult and the childbearing family. Simulations will address cognitive, psychomotor, affective, communication, developmental, safety, pharmacology and leadership/management/delegation learning outcomes.


**NURS 326 - Nursing Care of Middle-Aged Adults II (2 credits)**

This clinical course focuses on the application of nursing knowledge to the care of clients experiencing alterations in physiological integrity and function. Students will develop clinical skills and examine the relationship of commonly used pharmacologic modalities in the care of the client experiencing illness. Clinical focuses on the client’s response to altered fluid and electrolyte balance, and cardiac, respiratory, gastrointestinal, and reproductive functions.


**NURS 327 - Health Transitions II: Experience of Illness in the Middle Adult Years (2 credits)**

This course builds on Health Transitions I, focusing on nursing care of the adult experiencing injury or illness in the middle adult years. Theoretical content focuses on the human response to altered fluid and electrolyte balance, and cardiac, respiratory, gastrointestinal, and reproductive functions.


**NURS 325 - Nursing Care Simulation II (1 credits)**

This course provides selected nursing care simulation experiences in the care of the adult and the childbearing family. Simulations will address cognitive, psychomotor, affective, communication, developmental, safety, pharmacology and leadership/management/delegation learning outcomes.


**NURS 416 - Health Transitions of the Pediatric Client (2 credits)**

This course focuses on the developmental, health, and wellness needs of children, adolescents, and young adults. Using developmental and systems theories and a family-centered care approach, current trends and nursing interventions are stressed regarding the physical and emotional needs of infants through young adulthood.

Distribution: Advanced. Prerequisite: NURS323 and NURS327.

**NURS 417 - Nursing Care of the Pediatric Client (2 credits)**

This clinical course provides the opportunity for students to care for children and young adults with acute and chronic health problems in pediatric clinical settings. Evidence based, safe application of the nursing process will be emphasized for infants, children and young adults in a variety of settings from intensive care through management of care in the community. Students will be exposed to screenings and application of age specific nursing interventions for well children and their families.

Distribution: Advanced. Prerequisite: NURS323 and NURS327.

**NURS 411 - Health Transitions III: The Adult Experience of Complex Illness (2 credits)**

This course focuses on the nursing care of adult patients with complex and critical illness. The course will enhance student’s knowledge and application of evidence based nursing interventions that are required for provision of care that promotes optimum patient outcomes.


**NURS 412 - Nursing Care of Adults with Complex Illness (2 credits)**

This clinical course focuses on complex health needs of adults in a variety of acute care settings. The relationship among the pathophysiology, pharmacology, evidence based nursing interventions and diagnostic reasoning is emphasized as the student engages in the professional nurses' role.


**NURS 414 - Nursing Care of the Older Adult**

This course is now listed as NURS 217: Foundations of Nursing Practice II - effective Fall 2020
Corequisite: NURS411.

**NURS 415 - Nursing Care Simulation III (1 credit)**

This course provides selected nursing care simulation experiences in the care of the older adult and in the care of the client with complex health problems. Simulations will address cognitive, psychomotor, affective, communication, developmental, safety, pharmacology and leadership/management/delegation learning outcomes.


**NURS 420 - Synthesis of Nursing Knowledge (3 credits)**

This capstone senior course is designed to advance students’ conceptual integration of cumulative and continuing nursing knowledge as it is applied to diverse, complex client care across the lifespan in primary, secondary and tertiary health care settings.

Distribution: Advanced. Level II Writing (W2). Prerequisite: NURS 411, NURS 413 and NURS 310.

**NURS 424 - Community Health Nursing in Practice (5 credits)**

The Community Health Nursing in Practice course provides opportunities for senior nursing students to holistically care for families, aggregates, and communities as clients. Concepts inherent to community health nursing practice build on prior and concomitant theory and clinical course content.

Distribution: Advanced.

**NURS 425 - Nursing Care Simulation IV (1 credit)**

This course provides selected nursing care simulation experiences in the care of the client in the community setting and in the role of the nurse in leadership and management. Simulations will address cognitive, psychomotor, affective, communication, developmental, safety, pharmacology and leadership/management/delegation learning outcomes.


**NURS 426 - Nursing Leadership and Management (2 credits)**

This course focuses on the theories that guide the professional nurse as a leader and manager in a changing healthcare delivery system. The course facilitates personal growth and professional practice for efficient patient care to meet clinical outcomes.

Distribution: Advanced. Prerequisite: NURS411 AND NURS413. Corequisite: NURS422.
Academic Programs and Courses

NURS 427 - Nursing Leadership and Management Applications (2 credits)
This clinical course focuses on the application of theories that guide the professional nurse as a leader and manager in the clinical practice setting. The course facilitates personal growth and professional practice for efficient care to meet clinical outcomes.
Distribution: Advanced. Prerequisite: NURS411 AND NURS413. Corequisite: NURS421.

NURS 428 - Health Transitions of Diverse Populations in the Community (2 credits)
This course focuses on community based nursing care with diverse client systems including families, aggregates, communities and populations. Theoretical frameworks applicable to community health and the nurse’s role especially related to primary, secondary and tertiary levels of prevention are emphasized.
Distribution: Advanced. Prerequisite: NURS411 AND NURS413. Corequisite: NURS424.

NURS 429 - Nursing Care of Diverse Populations in the Community (2 credits)
This course focuses on community and public health nursing experiences in providing primary, secondary and tertiary care to diverse client systems including families, aggregates and populations at risk within the local community.
Distribution: Advanced. Prerequisite: NURS411 AND NURS413. Corequisite: NURS423.

NURS 485 - Independent Study: (3 credits)
This course will provide the opportunity to identify and explore in depth a nursing area of special interest to the student. This study will be under the guidance of a faculty member. Prerequisites: approval by the chair and faculty of the Department of Nursing.
Distribution: Advanced.

Pharmacy Transfer Program
The Faculty of Sciences
See Department of Chemistry and Biochemistry
www.esu.edu/chem

Philosophy
College of Arts and Sciences
The Faculty of Arts and Letters
Stroud 208 and 408
570-422-3407
www.esu.edu/phil

About the Program
The ESU Philosophy major provides students with critical thinking skills, exposes them to historical and contemporary world views, and helps them develop personal answers to questions about ethics, knowledge, reality, and religion. The department has special strengths in European Continental Philosophy, British and American Analytical Philosophy (especially Philosophy of Science), Philosophy of Race and Asian and Cross-Cultural Philosophy.

Why Study Philosophy at ESU
The Philosophy major provides students with critical thinking skills, oral and written communication skills, and ethical leadership skills. Many graduates of the ESU Philosophy major have gone on to law school or graduate school, while others have pursued careers in business.

Are you interested in ...
- Analytical thinking and logic
- Community Leadership
- Race and Society
- Religion and the Meaning of Life

Choose Philosophy at ESU
- Historically-based courses
- Issue-based courses
- Solid grounding in principles of sound thinking

Is Philosophy a career path for me?

Career Potential
- Law
- Business
- Politics and Leadership

Career Settings
- Non-profit groups
- Government
- Education
- Corporations

More detailed career information is available from the department.

Student Organization
Philosophy Club
The ESU Philosophy Club meets regularly to discuss issues of philosophical interest. Meetings sometimes feature a speaker, and sometimes are just an opportunity to discuss philosophy outside the classroom environment.

Philosophy B.A.

PROGRAM FEATURES
The Philosophy B.A. offers three concentrations aligned with the teaching and research strengths of our departments, as well as reflect the interests of students who major in Philosophy.
Choose one of the three concentrations:
- (1) Knowledge and Critical Reasoning
- (2) Leadership in Diverse Communities
- (3) Religion and Global Thought

(1) KNOWLEDGE AND CRITICAL REASONING CONCENTRATION

30 credits

Choose four courses from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 121</td>
<td>GN: Bioethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 251</td>
<td>GN: Ancient Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 281</td>
<td>GN: Philosophy Of Mind</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 321</td>
<td>Logic II</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 337</td>
<td>Contemporary Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 417</td>
<td>20th Century Analytic Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 418</td>
<td>Phenomenology and Existentialism</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 457</td>
<td>Kant &amp; German Idealism</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 12

Six additional Philosophy credits:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL XXX</td>
<td>(6) Philosophy credits</td>
<td>6</td>
</tr>
</tbody>
</table>

Subtotal: 6

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 110</td>
<td>GN: Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 221</td>
<td>GN: Logic I</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 231</td>
<td>GN: Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 355</td>
<td>Rationalism &amp; Empiricism</td>
<td>3</td>
</tr>
</tbody>
</table>

OR
PHIL 356  Rationalists of the 17th and 18th Centuries 3
OR
PHIL 357  Empiricists of the 17th and 18th Centuries 3

Subtotal: 12

(2) LEADERSHIP IN DIVERSE COMMUNITIES
CONCENTRATION

30 credits

Required Courses:
PHIL 110  GN: Introduction to Philosophy 3
PHIL 140  GN: Introduction to Africana Philosophy 3
PHIL 151  GN: Philosophy of Leadership 3
PHIL 340  Race, Gender and Culture 3

Subtotal: 12

Choose four courses from the following list:
PHIL 213  GN: Black Humanism 3
PHIL 231  GN: Ethics 3
PHIL 238  GE: Philosophy Of Law 3
PHIL 312  Cross-Cultural Philosophy 3
PHIL 337  Contemporary Ethics 3
PHIL 411  Philosophy and Hip-Hop 3

Subtotal: 12

Six additional Philosophy credits:
PHIL XXX  (6) Philosophy credits 6

Subtotal: 6

(3) RELIGION AND GLOBAL THOUGHT CONCENTRATION

30 credits

Choose four courses from the following list:
PHIL 140  GN: Introduction to Africana Philosophy 3
PHIL 213  GN: Black Humanism 3
PHIL 251  GN: Ancient Philosophy 3
PHIL 265  GN: Philosophy Religion 3
PHIL 270  GN: Religions of Asia 3
PHIL 271  GN: Islam 3
PHIL 419  20th Century French Philosophy 3

Subtotal: 12

Six additional Philosophy credits:
PHIL XXX  (6) Philosophy credits 6

Subtotal: 6

Required Courses:
PHIL 110  GN: Introduction to Philosophy 3
PHIL 172  GN: Religion and the Meaning of Life 3
PHIL 212  GN: Asian Thought and Culture 3
PHIL 312  Cross-Cultural Philosophy 3

Subtotal: 12

ADDITIONAL REQUIREMENTS FOR ALL THREE
CONCENTRATIONS

- No more than one 100-level course in Philosophy (or transferred course equivalent to a 100-level course) may count toward the major.
- No more than 15 transferred credits may count toward the major.
- Completion of the Foreign Language Competency.

PHIL 110, PHIL 221, PHIL 231, and PHIL 251 are taught every year. All other courses are offered on a two-year rotation.

Therefore, the order of years 3 and 4 in the Program Curriculum may be switched, depending on the year of entry. The students may start taking 200-level elective courses with prerequisites once PHIL 110 has been completed. 300- and 400-level courses should not be taken at least until the second year.

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

Freshman Year Fall
PHIL _____ PHIL "Required Course" for Concentration 3
MLXX _____ Foreign Language I 3
ENGL 103  English Composition 3
GN:_____ General Education Elective - Natural Sciences 3
GN:_____ General Education Elective - Social Science 3

Subtotal: 15

Spring
PHIL _____ PHIL "Required Course" for Concentration 3
MLXX _____ Foreign Language II 3
GN:_____ General Education Elective - Arts & Letters 3
GN:_____ General Education Elective - Natural Sciences 3
GN:_____ General Education Elective - Social Science 3

Subtotal: 15

Sophomore Year Fall
PHIL _____ PHIL "Required Course" for Concentration 3
XXXX _____ Elective 3
GN:_____ General Education Elective - Arts & Letters 3
GN:_____ General Education Elective - Natural Sciences 3
GN:_____ General Education Elective - Social Science 3

Subtotal: 15

Junior Year Fall
PHIL _____ PHIL "Choose four" Course for Concentration 3
PHIL _____ PHIL "Choose four" Course for Concentration 3
GN:_____ General Education Elective - Natural Sciences 3
GN:_____ General Education Elective - Social Science 3
HPLW 105 Health Promotion and Lifetime Wellness 3

Subtotal: 15

Spring
PHIL _____ PHIL "Choose four" Course for Concentration 3
XXXX _____ Elective 3
XXXX _____ Elective 3
XXXX _____ Elective 3
XXXX _____ Elective 3

Subtotal: 15

Senior Year Fall
PHIL _____ PHIL "Choose four" Course for Concentration 3
PHIL _____ PHIL Elective 3
XXXX _____ Elective 3
XXXX _____ Elective 3
XXXX _____ Elective 3

Subtotal: 15

Spring
PHIL _____ PHIL Elective 3
XXXX _____ Elective 3
| XXXX ___ | Elective | 3 |
| XXXX ___ | Elective | 3 |
| XXXX ___ | Elective | 3 |
| **Subtotal: 15** |

For more information, contact the department at 570-422-3601. esu.edu/phil

**Philosophy Minor**

The Philosophy minor at ESU is an excellent complement to students interested in careers involving diverse communities, law, leadership, religion, or writing. Our philosophy minors in recent years have also gone on to successful careers in fields related to the natural sciences. With a course of study that emphasizes critical thinking and writing, dialogue and debate skills, and leadership in diverse communities, our philosophy minor is a fit for any student interested in furthering these abilities.

**PROGRAM FEATURES**

18 credits

**Required courses:**
- PHIL 110 | GN: Introduction to Philosophy | 3

**two of:**
- PHIL 221 | GN: Logic I | 3
- PHIL 231 | GN: Ethics | 3
- PHIL 251 | GN: Ancient Philosophy | 3

and three courses at the 300-level or above.

**Additional requirements:**
- A minimum of nine of the credit hours used to complete the Minor in Philosophy must be completed at East Stroudsburg University.

**Philosophy Faculty**

Professors:
- Timothy Connolly, Chair (tconnolly@esu.edu)
- Storm Heter (sheter@esu.edu)

Associate Professor:
- Heon Kim (heonkim@esu.edu)

**PHIL - Philosophy Courses**

**PHIL 100 - GN: Introduction to Religion (3 credits)**
In this course, students will be introduced to the major religious and philosophical traditions of the world. Among other traditions the course will examine Hinduism, Buddhism, Daoism, Confucianism, Judaism, Christianity and Islam. (Formerly listed as PHIL 172 - GN: Religion and the Meaning of Life).
Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Global Diversity & Citizenship (G).

**PHIL 110 - GN: Introduction to Philosophy (3 credits)**
This course is an introduction to the basic issues and critical techniques of philosophy. Philosophical issues such as ethics, the theory of knowledge, metaphysics and logic will be explored, as well as the social, political and religious aspects of human existence.
Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Communication (C).

**PHIL 121 - GN: Bioethics (3 credits)**
This course introduces students to the central issues in the ethics of biology and medicine, including abortion and euthanasia, patient care and autonomy, allocation of healthcare resources and other issues of public health, and genetic screening and modification along with other issues raised by the emergence of new technologies in the late 20th and early 21st centuries. The course will use terms, distinctions, and theories from contemporary ethics to analyze particular case studies involving such issues.
Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Communication (C).

**PHIL 140 - GN: Introduction to Africana Philosophy (3 credits)**
This course introduces students to main authors and themes in Africana Philosophy. Africana Philosophy analyzes the experiences of African-descended peoples in the Americas, especially in the United States, the Caribbean and Latin America. We study a range of topics including: black art, music, and culture; slavery and its legacy; African American versus black identity; black masculinity; black feminism; whiteness; racism; and multiculturalism.
Distribution: GN: Group A - Philosophy (APH) | Communication (C) | Global Diversity & Citizenship (G).

**PHIL 151 - GN: Philosophy of Leadership (3 credits)**
This course covers philosophical thinking on leadership from ancient Greece to the present. It examines different perspectives on the nature of leadership, as well as the ethical challenges of leadership in a wide variety of contexts, including government, social movements, business, and the military.
Distribution: GN: Group A - Philosophy (APH) | Communication (C).

**PHIL 171 - GN: RELS: Introduction to Religious Studies (3 credits)**
This course provides an introduction to topics of general interest in religion, including the nature of man in the religious perspective, the many varieties of religious experience, the religious perspective on death, and the religious dimension of current social and moral issues; current trends in American religion will also be considered.
Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Global Diversity & Citizenship (G).

**PHIL 172 - GN: Religion and the Meaning of Life**
Now offered as PHIL 100 - GN: Introduction to Religion (effective Fall 2020)

**PHIL 175 - Hon Intro Liberal Arts (3 credits)**
In this course the basic components - beliefs and rituals - of Amerind, African tribal, Middle Eastern, and Asian religions are presented and their distinctive characters are examined in the light of dominant features such as animism, magic, shamanism, priesthood, credal affirmation, liturgy, and sacraments.

**PHIL 212 - GN: Asian Thought and Culture (3 credits)**
This course will present the ideas of thinkers from cultures as diverse as those of India, China, Japan and the Middle East. The main areas of concern will be metaphysics, logic and epistemology. Excerpts from texts by numerous authors will be read and discussed.
Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Global Diversity & Citizenship (G) | Communication (C).

**PHIL 213 - GN: Black Humanism (3 credits)**
This course is a study of philosophical, literary, and artistic contributions of African-American and African writers. Though major emphasis will be given to contemporary black authors, some emphasis will be put on the historic DuBois controversy and Marcus Garvey and his Back to Africa movement.
Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Global Diversity & Citizenship (G).

**PHIL 221 - GN: Logic I (3 credits)**
Logic is the study of proper reasoning. This course explores the concepts of soundness, validity, implication, equivalence and consistency. Techniques are developed for evaluating arguments as they are encountered in ordinary language. Included are examinations of
deductive inference, inductive inference, the use of observation to support theory, and a survey of commonly committed fallacies.

PHIL 231 - GN: Ethics (3 credits)
This course is a survey of major ethical theories in Western philosophy. The moral theories of Plato, Aristotle, Aquinas, Kant, J.S. Mill, and Nietzsche will be examined.

PHIL 235 - GN: Human Rights and Freedom (3 credits)
This course examines the theory and application of human rights in political society. We study both liberty (a central ethical and political value) and rights (those instruments used to codify and enforce our liberties). Readings are drawn from classical and contemporary sources.

PHIL 238 - GE: Philosophy Of Law (3 credits)
This course surveys the major theoretical and conceptual questions underlying law. The course is designed for both students hoping to pursue law as a career, and students interested broadly in the conceptual issues behind law.

PHIL 241 - GN: Aesthetics (3 credits)
This course will examine major philosophical attempts to treat issues such as the nature of art and the standards of beauty. Texts by Plato, Aristotle, Plotinus, Kant, Hegel, Nietzsche and Heidegger will be examined.

PHIL 245 - GN: Ancient Philosophy (3 credits)
This course investigates the foundation of Western philosophy from the pre-Socratics to Neo-Platonism; particular attention is given to Socrates, Plato, Aristotle, the Stoics, and Plotinus.

PHIL 265 - GN: Philosophy Religion (3 credits)
This course comprises an examination of views on various aspects of religion postulated by thinkers both within and without the confines of orthodoxy. Among the topics to be discussed are: God’s nature and existence; the problem of evil; faith and unbelief; mysticism; faith and miracles; eschatology.

PHIL 270 - GN: Religions of Asia (3 credits)
In this course, students will explore the major religious traditions of Asia. The course will focus upon the traditions’ beliefs, thoughts, historical developments and contemporary forms. Among other traditions, the course will examine Hinduism, Jainism, Buddhism, Taoism, and Confucianism.

PHIL 271 - GN: Islam (3 credits)
This course is designed for students with an interest in Islam and the Muslim world. It will survey the basic belief system, key historical developments and contemporary manifestations of Islam, addressing specific topics such as Islamic theology, philosophy, mysticism, politics and diverse socio-cultural manifestations in the contemporary Muslim world.

PHIL 275 - Jewish Philosophy and Religion (3 credits)
This course provides an overview of Jewish philosophy, religion, and culture. Students will be introduced to basic ideas in Jewish philosophy, beginning with the Torah and continuing to modern Jewish thought. Students will learn about the differences between Orthodox, Conservative and Reform practices of Judaism, as well as the cultural differences between the Ashkenazi, Sephardic, Mizrahi, and Beta Israel Jewish traditions.

PHIL 281 - GN: Philosophy Of Mind (3 credits)
Am I a material brain, an immaterial consciousness, or both? This course begins with modern criticisms of Descartes’ classic dualism and examines contemporary efforts to understand how purely physical objects such as human brains (and perhaps computers) may nevertheless be said to have mental traits, e.g., thoughts and beliefs. Explored are behaviorist, functionalist, and information-representation approaches. Despite the progress made by these, we will articulate what aspects of consciousness still elude our efforts to understand the mind in naturalistic, scientific terms.

PHIL 285 - GN: War & Justice (3 credits)
This course begins with a discussion of the three main theories of justice in time of war - realism, pacifism, and just war theory - and then examines historical and contemporary views concerning justice in entering a war, waging a war, and dealing with a war’s aftermath.

PHIL 290 - Special Topics: (Semester hours arranged)
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

PHIL 312 - Cross-Cultural Philosophy (3 credits)
Cross-cultural philosophers approach an issue by looking at how it is treated in diverse philosophical traditions such as those found in Africa, China, India, or the Middle East. This course will begin with discussion of the methodological problems involved in doing cross-cultural philosophy, and then proceed to the examination of a general issue treated in Western and non-Western philosophies.

PHIL 318 - Schopenhauer Kierkegaard Nietzsche (3 credits)
This course will study the three major 19th century continental philosophers who rebelled against the exaltation of reason. Their thinking led to existentialism and to radical reappraisals of ethics, religion, aesthetics, epistemology, and metaphysics.

PHIL 321 - Logic II (3 credits)
This is a course on quantificational predicate logic. This twentieth century advancement unifies the methods presented in Logic I into a single system of greater power. The course focuses on techniques of symbolization and derivation and includes proving some meta-theoretical facts about logical systems in general.
PHIL 337 - Contemporary Ethics (3 credits)
This course is an in-depth study of contemporary theories of ethics - emotivism, prescriptivism, existentialism, pragmatism, etc. - as expressed by philosophers such as Ayer, Stevenson, Hare, DeBeauvoir, and Dewey. Distribution: Advanced. Prerequisite: PHIL 110 AND PHIL 231.

PHIL 340 - Race, Gender and Culture (3 credits)
This course will concentrate, from various philosophical perspectives, on current social issues such as society and the relation of the individual to it, social justice, social equality and affirmative action, health care, moral standards and the law, children and society, drugs, and problems in engineering a good society. Distribution: GE: Humanities - Philosophy. Advanced. Prerequisite: PHIL 110 or WMST 150.

PHIL 341 - GE: Political Philosophy (3 credits)
This course offers a discussion, from various philosophical points of view, of such historical concepts as city-state, universal community, and of contemporary issues pertaining to national, state, and Third World political developments. Perspectives will be presented on these issues from the writings of both classical and contemporary philosophers. Distribution: GE: Humanities - Philosophy. Advanced. Prerequisite: PHIL 110.

PHIL 355 - Rationalism & Empiricism (3 credits)
This course will undertake a close reading of some of the major Rationalist Empiricist philosophers of the early modern era - including Descartes, Leibniz, Spinoza, Locke, Berkeley, and Hume. The course will focus on their epistemology as the foundation for modern philosophy. Distribution: Advanced. Prerequisite: PHIL 110 and one other course in Philosophy.

PHIL 356 - Rationalists of the 17th and 18th Centuries (3 credits)
This course undertakes a close examination of four major Rationalist philosophers, Descartes, Malebranche, Spinoza, and Leibniz. Each of these thinkers made extravagant claims for reason and produced systems of metaphysics that claimed certainty on issues such as the existence of God, the concept of substance, the immortality of the soul, and the nature of the world. Distribution: Advanced. Prerequisite: PHIL 110.

PHIL 357 - Empiricists of the 17th and 18th Centuries (3 credits)
This course studies the epistemological and metaphysical theories of the major British Empiricists and other related thinkers. Included will be Hobbes, Locke, Berkeley, and Hume. Distribution: Advanced. Prerequisite: PHIL 110.

PHIL 371 - Religion, Conflict and Peace (3 credits)
This course will explore the diverse and complex roles that religions play in both fostering conflict and promoting peace. It will discuss various theoretical perspectives from religious studies and from the world religions themselves to understand the dual role of religion as both source of conflict and a resource for peace and peace building among peoples, nations, and civilizations. Distribution: Advanced (ADV). Prerequisite: PHIL 172 and (PHIL 270 or PHIL 271).

PHIL 411 - Philosophy and Hip-Hop (3 credits)
This course explores philosophical perspectives on the hip-hop musical genre, with special attention to issues of race, gender, culture, and sexuality; ethics and politics, community, representation, and identity; aesthetic dimensions; and existential and phenomenological meaning. Distribution: Advanced. Prerequisite: PHIL 110 GN: Introduction to Philosophy or PHIL 140: Africana Philosophy and PHIL 213: Black Humanism.

PHIL 417 - 20th Century Analytic Philosophy (3 credits)
This course is a study of Anglo-American philosophy in the 20th Century, a tradition that has come to be known as Analytic Philosophy. The course begins with an examination of three central figures, Frege, Russell, and Wittgenstein. Together they promoted the study of logical forms, language and linguistic meaning as primary tools to effectively re-examine traditional philosophical problems. The course examines how these founding figures contributed to the development of Logical Positivism. Distribution: Advanced. Prerequisite: PHIL 110 AND PHIL 221 OR PHIL 357.

PHIL 418 - Phenomenology and Existentialism (3 credits)
This course is a study of German phenomenology and existentialism and will include philosophers such as Husserl, Heidegger, and Buber. Distribution: Advanced. Prerequisite: PHIL 110.

PHIL 419 - 20th Century French Philosophy (3 credits)
This course studies major developments in twentieth century French philosophy. The course has two main units: Existentialism and Structuralism, and Postmodernism. Sartre, Foucault and Derrida will be covered. Distribution: Advanced. Prerequisite: PHIL 110.

PHIL 457 - Kant & German Idealism (3 credits)
This course is a study of Kant’s major work on metaphysics and epistemology: the Critique of Pure Reason. The basis for Kant’s justification of science and his rejection of speculative metaphysics will be examined. The course will also examine how the German Idealists attempted to surmount the limitations that Kant put on knowledge through their attempts to achieve absolute knowledge. This attempt to re-establish speculative metaphysics will be studied through a close reading of one of Hegel’s works. Distribution: Advanced. Prerequisite: PHIL 110 AND PHIL 356 OR PHIL 357.

PHIL 485 - IS: (1 - 3 credits)
This course consists of directed research and study on an individual basis. Distribution: Advanced.

Physical Education Teacher Education
College of Health Sciences
The Faculty of Human Performance
Zimbar-Liljenstein Hall
570-422-3293
www.esu.edu/pete

About the Program
The PETE department offers a B.S. program with a major in Physical Education, with two tracks for students, 1) those who want to be a health and physical education teacher in a P-12 public school setting; and 2) those who desire to work with people in a health and physical activity setting. The first track is the teacher certification track. Students who satisfactorily complete all requirements in both the physical education major (teacher certification track) and the health education major (offered by the Health Department) will be considered for certification to teach Health and Physical Education in Pennsylvania. To complete all requirements for certification students must enroll in two programs (Physical Education AND Health Education) and complete 136 credits. Upon completion of these programs students will leave with a Bachelor’s of Science degree with two majors and be considered for a job teaching: 1) Physical and Health Education; 2) only Physical Education; or 3) only Health Education.

This is a very unique opportunity that only East Stroudsburg University provides in the Commonwealth. This program has been approved by the
Department of Health Studies for further information. Furthermore, this program has attained National Accreditation approval at the exemplary level from their professional governing body, Shape America-Physical Education and the Council for the Accreditor of Educator Preparation (CAEP) as part of the Teacher Education Unit at East Stroudsburg University.

The second program is the Health and Physical Activity (non-certification) track. An increase in independent and entrepreneurial job opportunities has revealed a new but growing field for health and physical activity instructors outside the public school setting. Students who choose to work in many physical activity settings do not need a teaching certification. To this population, we have a concentration of "Health and Physical Activity" (non-certification track) that consists of 120 credits. Upon leaving this program students will have earned a Bachelor's of Science degree with a major of Physical Education. This track will enable students to plan, implement, and evaluate health and physical activity programs with children, youth and adults in a global and diverse society. Employment opportunities for graduates of this program include a variety of children, youth and adult activity programs, such as: adventure education programs, adapted physical activity programs, disability sports programs, charter schools, parochial schools, YMCA/YWCA, aquatics facilities, recreation programs, residential facilities, coaching programs, youth sport programs, American Heart Association, American Lung Association, and state and local agencies. This concentration will provide our students with the knowledge, skills, and experience needed to adapt to a greater variety of related opportunities within the field of health and physical activity.

After completing 60 credits, students will be able to decide which track to pursue: 1) health and physical education certification or 2) health and physical activity. If you are interested in only Health Education please visit the Department of Health Studies for further information.

Employment / Career Opportunities
ESU physical education teacher education graduates are recognized as quality physical educators. They are highly competitive in the employment market. ESU graduates can be found teaching health and physical education in school districts across Pennsylvania and throughout the country. Graduates are also successfully pursuing advanced degrees in positions in educational administration, research or college teaching. This program is designed to provide the student with academic and professional experiences, preparing them to teach Physical Education and Health Education in schools.

Why Choose Physical Education Teacher Education at ESU
- Small class size
- Qualified, experienced faculty
- Practical experiences with P-12 learners
- Nationally Accredited Program through CAEP/SHAPE America-Physical Education
- Graduate with a dual major and certification in Health Education and Physical Education
- A Professional Development School experience

Is a physical education teacher education a career path for me?

Career Potential
- Physical Education Teacher
- Health Teacher
- Physical Education and Health Teacher

Career Settings
- Public schools
- Private schools
- Charter schools
- Cyber schools
- Colleges and universities — education administration, research

More detailed career information is available from the department.

**Physical Education Teacher Education, B.S Teacher Certification**

**PROGRAM FEATURES**

134 credits

**Corequisite courses:**

- EXSC 203  Kinesiology - Mechanical Analysis  3
- EXSC 310  Exercise Physiology I  3
- PSED 150  Introduction to Teaching All Students  6
- PSED 250  The Psychology of Learners in Diverse Communities  3
- BIOL 116  GE: Human Anatomy and Physiology I for the Health Sciences  3
- BIOL 117  Human Anatomy and Physiology I Laboratory for the Health Sciences  1
- CMST 111  GN: Introduction to Communication  3
- DAN1 111  GN: World Dance  3
- PSY 100  GN: General Psychology  3
- SOC 111  GN: Introduction to Sociology  3
- ENGL 274  Diversity in Literature  3
- REED 350  Teaching Reading to Communities of Diverse Learners  3
- MATH 121  6 credits of MATH  6

**Additional Requirement:**
A GPA of 2.8 is required for completion.

**Required courses:**

- PETE 100  Fundamental Content Knowledge in Physical Education  2
- PETE 124  Fundamental Movement Activities  1
- PETE 125  Introduction to Sport Games  1
- PETE 220  Physical Conditioning  1
- PETE 253  Aquatics  1
- PETE 308  Impacting the Whole Person through Experiential Education  3
- PETE 309  Teaching Games for Understanding  1
- PETE 310  Pedagogical Content Knowledge for Elementary Physical Education  3
- PETE 343  Analysis of Teaching Physical Education  2
- PETE 344  Motor Learning and Development  3
- PETE 345  Adapted Physical Education  3
- PETE 400  Physical Education Teaching and Assessing Strategies  3
- PETE 440  Physical Education Student Teaching  3 - 12
- PETE 442  Movement Experiences for Secondary Education  1
- PETE 445  Organization and Administration of Physical Education  2
- PETE 499  Student Teaching Internship  1

**4 YEAR CURRICULUM PROGRAM PLAN**

(Subject to change by the university without notice)

**Freshman Year Fall**

- ENGL 103  English Composition  3
- PSED 161  Foundations of Education  3
- SPED 102  Diversity of the Learner  3

**Freshman Year Spring**

- DANC 111  Dance I  3
- BIOL 117  Human Anatomy and Physiology I Laboratory for the Health Sciences  1
- SPED 102  Diversity of the Learner  3

**Sophomore Year Fall**

- ENGL 105  English Composition II  3
- SPED 102  Diversity of the Learner  3

**Sophomore Year Spring**

- ENGL 274  Literature in American Culture  3
- PETE 121  Classroom and Curriculum Management  3
- PETE 220  Physical Conditioning  1
- PSED 150  Introduction to Teaching All Students  6

**Junior Year Fall**

- BIOL 116  GE: Human Anatomy and Physiology I for the Health Sciences  3
- CMST 111  GN: Introduction to Communication  3
- ENGL 274  Literature in American Culture  3
- PETE 308  Impacting the Whole Person through Experiential Education  3
- PETE 309  Teaching Games for Understanding  1
- SED 150  Introduction to Teaching All Students  6
- SPED 102  Diversity of the Learner  3

**Junior Year Spring**

- BIOL 117  Human Anatomy and Physiology I Laboratory for the Health Sciences  1
- CMST 111  GN: Introduction to Communication  3
- ENGL 274  Literature in American Culture  3
- PETE 308  Impacting the Whole Person through Experiential Education  3
- PETE 309  Teaching Games for Understanding  1
- SED 150  Introduction to Teaching All Students  6
- SPED 102  Diversity of the Learner  3

**Senior Year Fall**

- ENGL 105  English Composition II  3
- SPED 102  Diversity of the Learner  3

**Senior Year Spring**

- ENGL 274  Literature in American Culture  3
- PETE 121  Classroom and Curriculum Management  3
- PETE 220  Physical Conditioning  1
- PSED 150  Introduction to Teaching All Students  6

**Total Credits:** 134
### PROGRAM FEATURES

60 credits

#### Corequisite courses:
- HLTH 210  Foundations of Health Science 3
- HLTH 220  Personal and Consumer Health 3
- HLTH 230  Community Health 3
- HLTH 240  Health Emergencies 3
- EXSC 203  Kinesiology - Mechanical Analysis 3
- EXSC 310  Exercise Physiology I 3
- EXSC 330  Health-Related Fitness Assessment and Exercise Programming 3
- HLTH 310  Family Health Education 3
- HLTH 340  Nutrition: Concepts and Controversies 3
- HLTH 341  Nutrition Education 3
- HLTH 356  Drug and Alcohol Teacher Preparation 3

#### Choose 12 credits from the following:
- OR HLTH 442  Human Sexuality and Reproductive Health 3
- OR HLTH 345  Drug Abuse & Prevention Education 3
- OR HLTH 415  Determinants of Disease 3
- OR HLTH 432  Death and Dying 3

### Required major courses:
- PETE 100  Fundamental Content Knowledge in Physical Education 2
- PETE 101  Human Sexuality and Reproductive Health 3
- PETE 102  Nutrition: Concepts and Controversies 3
- PETE 103  Nutrition Education 3
- PETE 104  Drug Abuse & Prevention Education 3
- PETE 105  Determinants of Disease 3
- PETE 106  Death and Dying 3

**Subtotal: 18**

### Junior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 310</td>
<td>3</td>
</tr>
<tr>
<td>PETE 308</td>
<td>3</td>
</tr>
<tr>
<td>GenEd __</td>
<td>3</td>
</tr>
<tr>
<td>GenEd __</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 310</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 341</td>
<td>1.5</td>
</tr>
<tr>
<td>HLTH 356</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Subtotal: 18**

### Retention Standards

Praxis II: Fundamental Subjects: Content Knowledge (#5511) pre-requisite to PETE 400/HLTH 461

Praxis II: Renew Act 34, Act 114-FBI fingerprinting, Act 151, Apply to student teach.

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenEd __</td>
<td>3</td>
</tr>
<tr>
<td>PETE 309</td>
<td>1</td>
</tr>
<tr>
<td>PETE 310</td>
<td>3</td>
</tr>
<tr>
<td>PETE 343</td>
<td>2</td>
</tr>
<tr>
<td>PETE 344</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 17**

### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 116</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>1</td>
</tr>
<tr>
<td>MATH XXX</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 210</td>
<td>3</td>
</tr>
<tr>
<td>REED 350</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 215</td>
<td>3</td>
</tr>
<tr>
<td>PETE 2XX</td>
<td>1</td>
</tr>
</tbody>
</table>

**Subtotal: 16**

### Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PETE 2XX</td>
<td>1</td>
</tr>
<tr>
<td>EXSC 203</td>
<td>3</td>
</tr>
<tr>
<td>DANC 111</td>
<td>3</td>
</tr>
<tr>
<td>SOC 111</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 240</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 274</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 18**

### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 111</td>
<td>3</td>
</tr>
<tr>
<td>MATH XXX</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>3</td>
</tr>
<tr>
<td>PETE 1XX</td>
<td>1</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>3</td>
</tr>
<tr>
<td>PSED 250</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 18**

### Senior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PETE 400</td>
<td>3</td>
</tr>
<tr>
<td>PETE 442</td>
<td>1</td>
</tr>
<tr>
<td>PETE 445</td>
<td>2</td>
</tr>
<tr>
<td>HLTH 365</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 461</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 462</td>
<td>3</td>
</tr>
<tr>
<td>PETE 345</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 18**

For more information, contact the department at 570-422-3293 or visit Zimbar-Liljenstein Hall www.esu.edu/pete.
PETE 124 - Fundamental Movement Activities (1 credit)
PETE 125 - Introduction to Sport Games (1 credit)
PETE 220 - Physical Conditioning (1 credit)
PETE 253 - Aquatics (1 credit)
PETE 308 - Impacting the Whole Person through Experiential Education (3 credits)
PETE 309 - Teaching Games for Understanding (1 credit)
PETE 343 - Analysis of Teaching Physical Education (2 credits)
PETE 344 - Motor Learning and Development (3 credits)
PETE 345 - Adapted Physical Education (3 credits)
PETE 445 - Organization and Administration of Physical Education (2 credits)
PETE 486 - Field Experiences and Internships (3 credits)

Note:
Please contact the PETE department for a suggested 4 year curriculum program plan for the Health and Physical Education Non-Certification degree.

Additional requirement:
To graduate with this degree you must earn an overall GPA of 2.5 or higher.

Physical Education Teacher Education Faculty
Professors:
Christine Brett, Chair (cbrett@esu.edu)
Kevin Casebolt (kcasebolt@esu.edu)
Mihye Jeong (mjeong@esu.edu)
Gene White (gwhite@esu.edu)
Peng Zhang (pzhang@esu.edu)

PETE - Physical Education Teacher Edu Courses

PETE 100 - Fundamental Content Knowledge in Physical Education (2 credits)
This course is designed to enable the student to understand Physical Education as an academic field of study with applications to the profession of teaching. Areas of the field of study examined include experiencing physical activity, and historical and philosophical perspectives. Students will study and demonstrate the intrapersonal and interpersonal dispositions important for becoming a professional physical educator.

PETE 105 - Health Promotion & Lifetime Wellness (3 credits)
This course explores the behaviors in which college students should engage to reduce their risk of acute and chronic diseases and premature death. An emphasis on positively enhancing the dimensions of health and wellness as a resource for college students to meet their short- and long-term goals is emphasized. By focusing on determinants of health as associated to the college student, individual, social, and physical behaviors and conditions will be explored through lecture, self-evaluative experiences, personal fitness and physical activity assessments, experiences, and behavior change principles. Distribution: Wellness (H).

PETE 111 - Social Forms Of Dance (1 credit)
This course is a study of the social forms of dance and their ethnic sources. Social mixers, couple, groups, contra, and quadrille dancers, widely different in types and geographic origin, are included as well as standard ballroom dance rhythms, step patterns, and variations.

PETE 114 - GE: Modern Dance Theory (3 credits)
This course is designed to introduce the student to the study of dance as the most fundamental of the arts, involving a direct expression of oneself through the body. The student will explore fundamental movement concepts including time, weight, space, and flow. Contextualization of historical, theoretical, and aesthetic principles will be emphasized. Through practical application and investigation into the relationship between movement elements and the motional principles of efforts, stress and release, and rest and relaxation, the student will learn to relate the inner self to the outer world. Distribution: GE: Humanities-Performing Arts.

PETE 115 - Introduction To Dance (3 credits)
This course examines the universal human need to celebrate life through dance. It is a survey of dance style forms designed to introduce the student to the energies and mysteries of dance throughout the ages and cultures of the world. Emphasis is on the role of dance as an expression of cultural mores, social order, religious worship, cultural identity, and individuality.

PETE 124 - Fundamental Movement Activities (1 credit)
This course is based on the study of basic fundamental activities focusing on track and field, gymnastics, and dance. An emphasis will be placed on the basic skills and techniques involved in running, jumping and throwing events for track and field, the movement concepts for body awareness, body control, skill progressions, spotting techniques, and biomechanical principles involved in a variety of gymnastic skills, and the movement experiences in the different dance genres.

PETE 125 - Introduction to Sport Games (1 credit)
This course is designed to introduce students to team activities associated with the four game classifications: invasion, net/wall, striking and fielding, and target. Emphasis will be placed on applying developmentally appropriate activities for all learners to promote transfer of learning among the four game classifications. More specifically, students will understand and apply skills and tactics in the following team activities: team handball and basketball (invasion); tennis and pickle ball (net/wall); softball (striking and fielding); bowling and golf (target).

PETE 141 - Movement Experiences for the Pre-School Child (1 credit)
This course is an introduction to movement experiences appropriate for the pre-school child and his/her total integrated development; attention is focused upon the elements of movement, non-locomotor, and manipulative activities that promote development of perceptual-motor abilities, physical and motor fitness, and motor abilities. The proper selection and organization of activities that promote instructional objectives based upon student needs is stressed.

PETE 143 - Educational Gymnastics (1 credit)
This course provides for the integrated study of the bodily, dynamic, spatial, and action aspects of gymnastics. Students will be expected to increase and expand their skills and spotting abilities in the gymnastic environment by solving movement problems and performing tasks on the mats and single pieces, and combinations of equipment.

PETE 210 - GE: Elementary Ballet (1 credit)
This course will include technique in elementary ballet including alignment, barre, center work, basic enchainements, and room and body directions, with emphasis on developing the physical and expressive potential of the human body. The class will enable students to understand and synthesize the kinesiological and anatomical, historical and theoretical, and aesthetic aspects of dance. Distribution: GE: Humanities-Performing Arts; Advanced. Prerequisite: FIT140.

PETE 215 - GE: Elementary Lyrical Modern Dance (2 credits)
This is an elementary level modern dance technique course. It explores a variety of axial and locomotor techniques and simple combinations characteristic of contemporary dance. The ability to apply skills in the art form is implied in any study of technique; this ability will be realized through improvisational and compositional experiences.
PETE 216 - Creative Dance - Child (2 credits)
This course is designed to introduce students to the fundamentals of teaching creative dance for children including a conceptual approach to dance and fostering children’s growth through a creative, child-centered dance curriculum. It will include information on the nature of dance for children, choosing age-appropriate topics, strategies for facilitation of dance experience, and group discussions as well as guided practical experiences.

PETE 220 - Physical Conditioning (1 credit)
This course provides information necessary for the development of healthy exercise and physical activity programs, and teaches individuals to assess their personal status and activity needs. It also focuses on concepts of effective goal setting, enabling each individual to determine realistic goals for self-improvement and the use of physical activity for health-promotion throughout a lifetime.
Distribution: Advanced. Prerequisite: PETE 100 AND PETE 111 AND PETE 143 or permissions by department chair/instructor.

PETE 245 - Adapted Physical Education (3 credits)
Course content covers growth characteristics, motor development, physical and perceptual motor abilities, self-concept, and play behaviors of the early childhood population. The student will be expected to apply these concepts by using various assessment tools to determine children’s developmental levels and by designing and teaching developmentally appropriate lessons to children.

PETE 253 - Aquatics (1 credit)
This course includes the development of skill proficiency and increased understanding of basic aquatic adjustment skills, survival techniques, stroke mechanics, and elementary diving skills. Emphasis is placed on rhythmic breathing, drown-proofing, treading water, and the ability to perform the elementary backstroke, sidestroke, front crawl, back crawl, and breaststroke in technically correct form. Principles of hydrodynamics are emphasized and applied.
Distribution: Advanced. Prerequisite: PETE 100 AND PETE 111 AND PETE 143.

PETE 286 - Early Internship (3 credits)
This experience enables a student to explore the role of a professional in a sport fitness or rehabilitation setting under the close supervision of a work-site supervisor.

PETE 300 - New Games & Adventure Activities (1 credit)
This course involves nontraditional games and exercises, group initiative problems, low and high ropes course elements. Spotting, belaying, and new games leadership skills will be developed. The student will have the opportunity to meet new challenges, take risks, and overcome obstacles through individual and group effort. Extensive use will be made of the Stony Acres ropes course. All students must show evidence of health/accident insurance coverage.
Prerequisite: PETE 100 OR PETE 111 OR PETE 120 OR PETE 143 OR PETE 153 OR PETE 453.

PETE 302 - Psychosocial Aspects of Activity (2 credits)
This course analyzes movement activities as psycho-social phenomena, including consideration of the symbolic and cultural nature of movement forms within a framework of student personality, motivation, social values and organization.
Distribution: Advanced.

PETE 305 - A Tactical Approach to Teaching Games I (1 credit)
This course emphasizes the conceptual similarities among target and net/wall sports. Performances of basic strategies, as well as knowledge of teaching concepts that cross the sport categories will be emphasized. Students will analyze strategies and draw inferences to expand student learning through the use of debate of ideas and questioning.
Distribution: Advanced. Prerequisite: A grade of “C” or better in PETE 100, PETE 111, PETE 120, PETE 143, PETE 153 or PETE 453; completion of a minimum of 60 credits toward degree completion.

PETE 306 - A Tactical Approach to Teaching Games II (1 credit)
This course emphasizes the conceptual similarities among hit/run and invasion sports. Performance of basic strategies, as well as knowledge of teaching concepts that cross the sport categories will be emphasized. Students will analyze strategies and draw inferences to expand student learning through the use of debate of ideas and questioning.
Distribution: Advanced. Prerequisite: A grade of “C” or better in PETE 100, PETE 111, PETE 143, PETE 453; completion of a minimum of 60 credits toward degree completion. A grade of “C” or better in PETE 305.

PETE 307 - Movement Experiences for Primary Grades (1 credit)
This course emphasizes the conceptual similarities among hit/run and invasion sports. Performance of basic strategies, as well as knowledge of teaching concepts that cross the sport categories will be emphasized. Students will analyze strategies and draw inferences to expand student learning through the use of debate of ideas and questioning.
Distribution: Advanced. Prerequisite: PETE 100 and admission into the Teacher Certification program.

PETE 308 - Impacting the Whole Person through Experiential Education (3 credits)
This course is designed to enhance students’ knowledge and application of the psycho-social and cultural aspects of physical education. Students will experience and develop an ability to analyze the effects of group interactions and dynamics related to participation in physical education and physical activity.
Distribution: Advanced. Prerequisite: PETE 100; Admission into the major.

PETE 309 - Teaching Games for Understanding (1 credit)
This course is a study of offensive and defensive strategies implemented in a variety of sport games, focusing on the give and go, one on one, peer communication, faking and dodging, move to be open, set up to attack, decision making on where to place the ball and rolling the ball in the intended direction. Students will demonstrate the ability to design, implement, and assess the basic game tactics across different sport games as evidenced by their performance on planning developmentally appropriate learning experiences on the subject and using GPAI and other content specific instruments.
Distribution: Advanced. Prerequisite: PETE 100, PETE 124, PETE 125, PETE 220 & PETE 253.

PETE 310 - Pedagogical Content Knowledge for Elementary Physical Education (3 credits)
This course is a study of the application of standards-based practice, instruction and assessment related to elementary physical education. This is accomplished by studying movement experiences appropriate for PK-6 children. Attention is focused on developmentally appropriate and inclusive activities designed to integrate movement skill themes, movement concepts, fitness and lead-up games to sport. Appropriate teaching practices are emphasized. Practical opportunities to implement a variety of teaching strategies with PK-6 children are provided.
Distribution: Advanced. Prerequisite: 60 or more credits and a successful admission interview to Teacher Education program.
PETE 314 - GE: Creative Experiences in Dance (1 credit)
This course provides the student with intermediate to advanced dance experience (minimum 3 years of study) guidance in individual and group experiences in dance. Using a related arts approach, it examines the expressive quality of movement in the use of time, space, and energy factors. Improvisation and choreography are included. Fulfills GE requirement for Performing Arts.
Distribution: GE: Humanities-Performing Arts; Advanced. Prerequisite: FIT140 AND PETE114 OR DANC114 AND PETE210 OR DANC210 OR FIT210 AND PETE215 OR DANC215 OR FIT215.

PETE 315 - GE: Dance Performance and Production (1 credit)
This course consists of performance, choreography, and production work involved with dance as a performing art. Work in performance and technical areas is included, and participation in production is required. This course may be elected more than once for credit (maximum of 3 times).
Distribution: GE: Humanities-Performing Arts; Advanced. Prerequisite: FIT140.

PETE 316 - Dance Teaching Practice (1 credit)
This course is designed to develop insight and develop further competency during laboratory experiences by providing students with guided practical experiences in teaching dance for children and adults. Distribution: Advanced. Prerequisite: PETE111 OR FIT141 AND FIT142 AND PETE216 OR DANC216.

PETE 341 - Movement Experiences for the Intermediate Grade Child (1 credit)
This course is a study of movement experiences appropriate for intermediate grade children. Attention is focused upon selecting and designing appropriate teaching practices. Emphasis will be placed on the use of a variety of instructional strategies and on children's response to learning environments. Included is a practice teaching experience with emphasis on small-sided games, conditioning, and leisure time activities.
Distribution: Advanced. Prerequisite: PETE307.

PETE 343 - Analysis of Teaching Physical Education (2 credits)
This course emphasizes the study of teaching and learning in physical education settings. The candidates will learn and apply specific observational systems and will analyze data to determine its relationship to existing concepts in teaching and learning. Additionally students will identify effective instructional strategies to address the needs and maximize instructional access to all students. Evaluation of teacher feedback data will provide an awareness of the impact of specific feedback related to each student during actual physical education class in the public school. Attention will be focused on the productive involvement of ALL students in physical education settings including cognition, physical, social, behavioral, and language.
Distribution: Level II Writing (W2) | Advanced. Prerequisite: Admission into teacher certification program. "C" or better in all prerequisites.

PETE 344 - Motor Learning and Development (3 credits)
This course investigates the sequence of development of fundamental motor patterns and perceptual motor skills, factors influencing this development, assessment and evaluation, and methods and activities for developing these skills. Practicum experiences include independent and lab experiences.
Distribution: Advanced. Prerequisite: EXSC310.

PETE 345 - Adapted Physical Education (3 credits)
This course provides the students with the competencies necessary to screen and evaluate the needs of individuals with various physical and/or mental disabilities. Developing goals and learning objectives in the area of motor fitness as well as adapting activities based on the needs of the individual are emphasized. Students will participate in an intense field experience.
Distribution: Advanced.

PETE 353 - Lifeguarding (1 credit)
Successful completion of this course leads to acquisition of the American Red Cross Lifeguard Training Certificate. This course replaces the Advanced Lifesaving course. The Lifeguard Training course will provide participants with the skills and knowledge required to be a lifeguard at a swimming pool or a protected (non-surf) open-water beach. Prerequisites: 500 yards continuous swim consisting of front crawl, breaststroke and sidestroke; retrieval of 10 pounds from 8 feet of water and treading water for 2 minutes using the legs only.
Distribution: Advanced.

PETE 400 - Physical Education Teaching and Assessing Strategies (3 credits)
This course is a study of the application of standards-based practice best instruction and assessment related to physical education and physical activity. Differentiated instruction, efficient planning and assessment, coordinated delivery and use of multiple instructional strategies will be emphasized. Students are required to participate in a concurrent intense field experience.
Distribution: Advanced | Level III Writing (W3). Prerequisite: PETE343 AND PETE307 AND PETE341 AND PETE344.

PETE 410 - Meeting Children's Needs Through Movement Activities (3 credits)
This course is an opportunity for elementary classroom teachers, physical educators, occupational, recreational, physical and play therapist, school counselors, parents and others who work with children to gather new ideas and activities to use in meeting children's social, emotional, cognitive, as well as physical needs. Emphasis will be placed on activities that can be done within the classroom or other limited space as well as those which can be done in the gymnasium or on the playground or field. These activities are inclusive of all participant.
Distribution: Advanced. Prerequisite: PETE306 AND PETE341.

PETE 440 - Physical Education Student Teaching (3 - 12 credits)
This course included two placements for student teaching, one at the elementary level (PK-6) and the other at the secondary level (7-12). This course is guided by the collaborative efforts of a university supervisor, a department content specialist, and two different cooperating teachers.
Distribution: Advanced. Prerequisite: PSED161 AND PSED242.

PETE 441 - Movement Activities for Special Populations (1 credit)
This course is a study and presentation of movement experiences appropriate for individuals with various physical and/or mental disabilities. Understanding the nature of sensory, cognitive, behavioral, and physical disabilities will facilitate strategies for instructing and modifying activities for individuals with disabilities is emphasized. Additionally, information regarding recent federal public law will be disseminated as well as the development of an individualized education program (IEP) for an individual with a disability. Lastly, students will gain hands-on experience teaching individuals with disabilities in a physical education environment. Distribution: Advanced. Prerequisite: PETE306 AND PETE341.

PETE 442 - Movement Experiences for Secondary Education (1 credit)
This course is a study of movement experiences appropriate to all students enrolled in secondary physical education courses. Attention is focused on the developmentally appropriate movement experiences designed to advocate the promotion of healthy life styles and concepts, principals and strategies of movement. Practical teaching experiences with junior and senior high school students are included.
PETE 445 - Organization and Administration of Physical Education (2 credits)
This course is designed to enable the student to demonstrate ability to utilize accepted practices of administering physical education programs as well as intramurals, clubs, and interscholastic sport. It includes in-depth analysis of administrative concepts as they relate to practice.
Distribution: Advanced. Prerequisite: PETE100 AND PETE400.

PETE 446 - Curriculum and Evaluation (2 credits)
This course provides an opportunity for the student to demonstrate knowledge of the principles and procedures of standards-based education curriculum construction, of the procedures whereby observable learned behavior can be evaluated, and of the techniques for organizing and treating data.
Distribution: Advanced. Prerequisite: PETE341 AND PETE400.

PETE 453 - Water Safety Instructor (1 credit)
Satisfactory completion of this course leads to certification as a Red Cross Water Safety Instructor. The course focuses on the development of skill proficiency and teaching proficiency of swimming and lifesaving skills. The Red Cross Introduction to Health Services Education course (IHSE) is incorporated into the Water Safety course. Prerequisites: Current lifeguard training card and successful completion of Red Cross swimming prerequisite.
Distribution: Advanced.

PETE 454 - Lifeguard Instructor (1 credit)
Satisfactory completion of this course leads to certification as an American Red Cross Lifeguard Instructor. This course prepares instructor candidates to teach Lifeguard Training, Basic Water Safety, Emergency Water Safety, and the Lifeguard Review course.
Distribution: Advanced. Prerequisite: PETE 353.

PETE 485 - IS: (3 credits)
This course deals with independent research and study under the direction of a faculty member and is designed to deepen the student's interest in a particular area of an academic field. The directing faculty member will be available exclusively to the student for a minimum of five hours per credit. Approval for enrollment must be obtained from the faculty member and from the department chair. Approval and granting of credit must be in accordance with procedures and standards established by departmental faculty. The student must present a study prospectus prior to approval.
Distribution: Advanced. Prerequisite: PETE100.

PETE 486 - Field Experiences and Internships (3 credits)
This course deals with independent research and study under the direction of a faculty member and is designed to deepen the student’s interest in a particular area of an academic field. The directing faculty member will be available exclusively to the student for a minimum of five hours per credit. Approval for enrollment must be obtained from the faculty member and from the department chair. Approval and granting of credit must be in accordance with procedures and standards established by departmental faculty. The student must present a study prospectus prior to approval.
Distribution: Advanced. Prerequisite: PETE440 AND HLTH431.

PETE 499 - Student Teaching Internship (1 credit)
This course is designed to provide the candidate with an opportunity to work with a Physical Education Content Specialist during the clinical semester. The course will enhance the candidate’s ability to understand and maximize the relationship between the subject matter and pedagogy.
Distribution: Advanced. Prerequisite: PETE440 AND HLTH431.
Physics B.A.

**Concentration: General**
The General concentration provides a broad background in physics along with a few courses that examine areas of interest to the student. Typically, this concentration is chosen in coordination with a major in a related field. Contact person: John Elwood

**PROGRAM FEATURES**

56 credits

<table>
<thead>
<tr>
<th>Required major core courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 161 GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 162 GE: Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 261 Physics III</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 333 Advanced Physics Lab I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 361 Physics IV</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 495 Senior Capstone</td>
<td>3</td>
</tr>
<tr>
<td>PHYS ____ Nine additional credits in Physics 300-level or above</td>
<td>9</td>
</tr>
</tbody>
</table>

Subtotal: 29

<table>
<thead>
<tr>
<th>Co-requisite courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121 GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123 GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 140 GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141 GN: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 240 Multivariate Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 16

<table>
<thead>
<tr>
<th>Additional co-requisite courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 114 GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 124 GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126 GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>One CPSC course or its equivalent chosen with adviser consent</td>
<td></td>
</tr>
</tbody>
</table>

Recommended: PHYS 405: The Development of Modern Physical Science

Subtotal: 61

Please refer to the section The College of Education in this catalog for specific requirements for admission into teacher education programs.

**Recommended:**

- CMST 111 GN: Introduction to Communication | 3 |
- GEOG 120 GN: Physical Geography | 3 |
- OR
- GEOG 121 GN: Physical Geology | 3 |

**Additional requirements:**

- A minimum of a "C-" must be attained in each of the required courses and cognate courses.
- A minimum of 9 credits 300-level or above must be taken at East Stroudsburg University.

**Physics B.A. - Concentration: Secondary Education**
The Secondary Education concentration mirrors the general concentration but also includes seven additional courses in education. A graduate of this program will be eligible for Pennsylvania teacher certification in physics for grades 7-12 (dependent on grade point average and qualifying score on teacher examination). Contact person: Robert Cohen

**PROGRAM FEATURES**

93 credits

<table>
<thead>
<tr>
<th>Required major core courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 161 GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 162 GE: Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 261 Physics III</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 333 Advanced Physics Lab I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 361 Physics IV</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 495 Senior Capstone</td>
<td>3</td>
</tr>
<tr>
<td>PHYS ____ Nine additional credits in Physics 300-level or above</td>
<td>9</td>
</tr>
</tbody>
</table>

Subtotal: 30

Recommended: PHYS 405: The Development of Modern Physical Science

**Co-requisite courses:**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121 GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123 GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 140 GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141 GN: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 240 Multivariate Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 16

<table>
<thead>
<tr>
<th>Additional co-requisite courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 114 GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 124 GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126 GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>one CPSC course or its equivalent chosen adviser consent</td>
<td></td>
</tr>
<tr>
<td>PSED 150 Introduction to Teaching All Students</td>
<td>6</td>
</tr>
<tr>
<td>PSED 250 The Psychology of Learners In Diverse Communities</td>
<td>3</td>
</tr>
<tr>
<td>PSED 420 Seminar in Secondary Education I: Instructional Structures and Strategies</td>
<td>3</td>
</tr>
<tr>
<td>PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom</td>
<td>3</td>
</tr>
<tr>
<td>PSED 430 Student Teaching in Secondary Education/ Middle School/Junior High School</td>
<td>6</td>
</tr>
<tr>
<td>PSED 431 Student Teaching in Secondary Education/ Senior High School</td>
<td>6</td>
</tr>
<tr>
<td>PSED 446 Teaching of Science in the Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>REED 350 Teaching Reading to Communities of Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>SPED 350 Assessment of Student Learning and Behavior in Diverse Communities</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 499 Student Teaching Internship</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 61

Please refer to the section The College of Education in this catalog for specific requirements for admission into teacher education programs.

**Recommended:**

- CMST 111 GN: Introduction to Communication | 3 |
- GEOG 120 GN: Physical Geography | 3 |
- OR
- GEOG 121 GN: Physical Geology | 3 |

**Additional requirements:**

- A minimum of a "C-" must be attained in each of the required courses and cognate courses.
- A minimum of 9 credits 300-level or above must be taken at East Stroudsburg University.

**Physics B.A. - Concentration: Engineering Transfer**
The Engineering Transfer concentration includes coursework specifically geared to students wishing to pursue an engineering degree. Students in this program typically transfer after three years to a school with an engineering program. Upon completion of an ABET-certified engineering degree (engineering technology degrees are excluded), the student may also be eligible for the ESU degree (contingent upon certain requirements). In addition, under our agreement with Penn State University, students in certain programs who meet additional requirements are guaranteed acceptance. Contact person: Jerry Ross

**PROGRAM FEATURES**

49 credits

<table>
<thead>
<tr>
<th>Required major core courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 161 GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 162 GE: Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 30

Recommended: PHYS 405: The Development of Modern Physical Science

**Co-requisite courses:**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121 GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123 GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 140 GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141 GN: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 240 Multivariate Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 16

<table>
<thead>
<tr>
<th>Additional co-requisite courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 114 GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 124 GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126 GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>one CPSC course or its equivalent chosen with adviser consent</td>
<td></td>
</tr>
<tr>
<td>PSED 150 Introduction to Teaching All Students</td>
<td>6</td>
</tr>
<tr>
<td>PSED 250 The Psychology of Learners In Diverse Communities</td>
<td>3</td>
</tr>
<tr>
<td>PSED 420 Seminar in Secondary Education I: Instructional Structures and Strategies</td>
<td>3</td>
</tr>
<tr>
<td>PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom</td>
<td>3</td>
</tr>
<tr>
<td>PSED 430 Student Teaching in Secondary Education/ Middle School/Junior High School</td>
<td>6</td>
</tr>
<tr>
<td>PSED 431 Student Teaching in Secondary Education/ Senior High School</td>
<td>6</td>
</tr>
<tr>
<td>PSED 446 Teaching of Science in the Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>REED 350 Teaching Reading to Communities of Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>SPED 350 Assessment of Student Learning and Behavior in Diverse Communities</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 499 Student Teaching Internship</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 61

Please refer to the section The College of Education in this catalog for specific requirements for admission into teacher education programs.

**Recommended:**

- CMST 111 GN: Introduction to Communication | 3 |
- GEOG 120 GN: Physical Geography | 3 |
- OR
- GEOG 121 GN: Physical Geology | 3 |

**Additional requirements:**

- A minimum of a "C-" must be attained in each of the required courses and cognate courses.
- A minimum of 9 credits 300-level or above must be taken at East Stroudsburg University.
PHYS 201  Statics  
PHYS 261  Physics III  
PHYS 333  Advanced Physics Lab I  
PHYS 361  Physics IV  
PHYS 495  Senior Capstone  
PHYS  . Nine additional credits in Physics 300-level or above

Subtotal: 32

Recommended:
PHYS 111  Engineering Graphics  
PHYS 202  Dynamics  
PHYS 328  Mathematical Physics

Co-requisite courses:
CHEM 121  GN: General Chemistry I  
CHEM 123  GN: General Chemistry I Lab  
MATH 140  GN: Calculus I  
MATH 141  GN: Calculus II  
MATH 240  Multivariate Calculus  
MATH 341  Differential Equations

Subtotal: 19

Additional requirements:
- A minimum of a "C-" must be attained in each of the required major and cognate courses.
- A minimum of 9 credits 200-level or above must be taken at East Stroudsburg University.
- PHYS 495 must be taken at East Stroudsburg University.
- Upon completion of an ABET-certified engineering degree (engineering technology degrees are excluded), a maximum of 15 credits of 300-level or above engineering courses may be transferred back to East Stroudsburg University and substitute for courses on this list. Requirements for the active ESU-Penn State Main agreement supersede these requirements.

4 YEAR CURRICULUM PROGRAM PLAN (ENGINEERING TRANSFER)

(Subject to change by the university without notice)

Freshman Year Fall
FYE 100  University Studies  
MATH 135  GN: Pre-Calculus  
PHYS 101  GN: Physical Science - Force, Matter and Energy  
ENGL 103  English Composition  
ECON 111  GN: Principles of Macroeconomics  
OR  
ECON 112  GN: Principles of Microeconomics

Subtotal: 15

Spring
PHYS 111  Engineering Graphics  
MATH 140  GN: Calculus I  
ENGL 204  Technical Writing  
GenEd  General Education Elective (Group C)  
GenEd  General Education Elective (Group A)

Subtotal: 16

Sophomore Year Fall
PHYS 161  GN: Physics I  
MATH 141  GN: Calculus II  
HPLW 105  Health Promotion and Lifetime Wellness  
CHEM 121  GN: General Chemistry I  
CHEM 123  GN: General Chemistry I Lab

Subtotal: 15

Spring
PHYS 162  GE: Physics II  
MATH 240  Multivariate Calculus  
MATH 220  Discrete Mathematical Structures  
CMST 111  GN: Introduction to Communication  
CHEM 124  GE: General Chemistry II  
CHEM 126  GE: General Chemistry II Lab

Subtotal: 18

Junior Year Fall
PHYS 201  Statics  
PHYS 261  Physics III  
PHYS 333  Advanced Physics Lab I  
MATH 341  Differential Equations  
GenEd  General Education Elective (Group A)  
GenEd  General Education Elective (Group C)

Subtotal: 18

Spring
PHYS 202  Dynamics  
MATH 320  Linear Algebra  
PHYS 361  Physics IV  
GenEd  General Education Elective (Group A)  
GenEd  General Education Elective (Group C)  
PHYS 495  Senior Capstone

Subtotal: 18

General education electives should be selected based on the requirements of the transfer school.

- Total Credit Hours: 102
- For more information, contact Program Coordinator Jerry Ross at 570-422-2214 or email jross@esu.edu.

Physics B.S.

The Bachelor of Science in Physics is designed for students who seek a strong background in physics. Students can choose among three concentrations.

Physics B.S.

Concentration: Professional

The Professional concentration provides the foundation for graduate work. As such, it requires a more complete distribution of advanced coursework than that required for the Bachelor of Arts in Physics. Contact person: John Elwood

PROGRAM FEATURES

62 credits

Required major core courses:
PHYS 161  GN: Physics I  
PHYS 162  GE: Physics II  
PHYS 240  Basic Electronics  
PHYS 261  Physics III  
PHYS 328  Mathematical Physics  
PHYS 333  Advanced Physics Lab I

PHYS 111: PHYS 111, 201, 202 are offered every other year. PHYS 111 should be taken in the first or second year. PHYS 201 and PHYS 202 should be taken in the second or third year.
PHYS 334 | Advanced Physics Lab II | 3
PHYS 361 | Physics IV | 3
PHYS 401 | Quantum Physics | 3
PHYS 431 | Electromagnetic Theory | 3
PHYS 441 | Theoretical Mechanics | 3
PHYS 411 | Thermal Physics | 3
OR
PHYS 421 | Statistical Physics | 3
PHYS 495 | Senior Capstone | 3
Subtotal: 39

two or more of:
PHYS 404 | Introductory Astrophysics | 3
PHYS 415 | Computational Physics | 3
PHYS 428 | Theoretical Physics | 3
PHYS 432 | Applied Electromagnetic Theory: Radio Waves and High Frequency Circuits | 4
PHYS 433 | Atomic and Nuclear Physics | 3
PHYS 471 | Special Problems in Physics | 3
Subtotal: 6-7

three credits in a 300-level or above in PHYS, as approved by adviser.

Co-requisite courses:
CHEM 121 | GN: General Chemistry I | 3
CHEM 123 | GN: General Chemistry I Lab | 1
MATH 140 | GN: Calculus I | 4
MATH 141 | GN: Calculus II | 4
MATH 240 | Multivariate Calculus | 4
Subtotal: 16

Recommended courses:
CHEM 124 | GE: General Chemistry II | 3
CHEM 126 | GE: General Chemistry II Lab | 1
MATH 110 | GN: General Statistics | 3
OR
MATH 311 | Statistics I | 3
MATH 320 | Linear Algebra | 3
MATH 341 | Differential Equations | 3
Subtotal: 16

Additional requirements:
At least nine credits of required courses (not co-requisites), must be completed at East Stroudsburg University. A minimum of a "C-" must be obtained in each of the required and cognate courses.

4 YEAR CURRICULUM PROGRAM PLAN (PROFESSIONAL)
(Subject to change by the university without notice)

Freshman Year Fall
ENGL 103 | English Composition | 3
MATH 135 | GN: Pre-Calculus | 3
PHYS 101 | GN: Physical Science - Force, Matter and Energy | 3
FYE 100 | University Studies | 3
GenEd | General Education (Group C) | 3
Subtotal: 15

Spring
HPLW 105 | Health Promotion and Lifetime Wellness | 3
MATH 140 | GN: Calculus I | 4
GenEd | General Education (Group A) | 3
Subtotal: 15

Sophomore Year Fall
PHYS 161 | GN: Physics I | 4
MATH 141 | GN: Calculus II | 4
CHEM 121 | GN: General Chemistry I | 3
CHEM 123 | GN: General Chemistry I Lab | 1
GenEd | General Education (Group A) | 3
Subtotal: 16

Spring
GenEd | General Education (Group A) | 3
GenEd | General Education (Group C) | 3
PHYS 161 | GN: Physics I | 3
MATH 240 | Multivariate Calculus | 4
Subtotal: 14

Junior Year Fall
PHYS 261 | Physics III | 3
PHYS 328 | Mathematical Physics | 3
PHYS 240 | Basic Electronics | 4
GenEd | General Education (Group B) | 3
GenEd | General Education (Group A) | 3
Subtotal: 16

Spring
PHYS 361 | Physics IV | 3
PHYS | Physics Elective | 3
GenEd | General Education (Group C) | 3
XXXX | Elective | 3
Subtotal: 15

Senior Year Fall
PHYS 401 | Quantum Physics | 3
PHYS 333 | Advanced Physics Lab I | 3
PHYS 431 | Electromagnetic Theory | 3
PHYS | Physics Elective | 3
XXXX | Elective | 3
Subtotal: 15

Spring
PHYS 421 | Statistical Physics | 3
OR
PHYS 411 | Thermal Physics | 3
PHYS 441 | Theoretical Mechanics | 3
PHYS 495 | Senior Capstone | 3
PHYS | Physics Elective | 3
XXXX | Elective | 2
Subtotal: 14

• For more information, contact Program Coordinator John Elwood at 570-422-3408 or email jelwood@esu.edu.

Physics B.S.
Concentration: Earth and Space Science
The Earth and Space Science concentration provides a strong base for future study in one or more of the Earth and Space Sciences (i.e., Astronomy, Geology, Meteorology and Oceanography).
Contact person: David Buckley
## PROGRAM FEATURES

**Required major core courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 121</td>
<td>GN: Astronomy: The Sky and Solar System</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>GN: Astronomy: Stars and Galaxies</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 124</td>
<td>Observational Astronomy Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 161</td>
<td>GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 162</td>
<td>GE: Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 240</td>
<td>Basic Electronics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 261</td>
<td>Physics III</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 304</td>
<td>Modern Physical Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 305</td>
<td>Physics of the Atmosphere</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 328</td>
<td>Mathematical Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 333</td>
<td>Advanced Physics Lab I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 334</td>
<td>Advanced Physics Lab II</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 361</td>
<td>Physics IV</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 315</td>
<td>Computational Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 431</td>
<td>Electromagnetic Theory</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 441</td>
<td>Theoretical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 495</td>
<td>Senior Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

**300-level or above in Earth and Space Science approved by advisor**

**Subtotal:** 49

---

**Co-requisite courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>GN: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 240</td>
<td>Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 121</td>
<td>GN: Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 220</td>
<td>GE: Meteorology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 22

---

**Recommended courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 311</td>
<td>Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 320</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 341</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional requirements:**

- At least 9 credits of required courses (not co-requisites) must be completed at East Stroudsburg University. A minimum of a “C-” must be obtained in each of the required and cognate courses.

---

### 4 YEAR CURRICULUM PROGRAM PLAN (EARTH AND SPACE)

(Subject to change by the university without notice)

#### Freshman Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>MATH 135</td>
<td>GN: Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>GN: Physical Science - Force, Matter and Energy</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 121</td>
<td>GN: Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>GN: Astronomy: Stars and Galaxies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 16

#### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 161</td>
<td>GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 220</td>
<td>GE: Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 141</td>
<td>GN: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Freshman Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 162</td>
<td>GE: Physics II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 240</td>
<td>Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>CPSC 120</td>
<td>GN: Intro to Computer Programming for Science and Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CPSC 130</td>
<td>GN: Introduction to Computer Programming I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 14

#### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 315</td>
<td>Computational Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 305</td>
<td>Physics of the Atmosphere</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective (Group C)</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 361</td>
<td>Physics IV</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Senior Year Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 431</td>
<td>Electromagnetic Theory</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 441</td>
<td>Theoretical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective (Group C)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

#### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 495</td>
<td>Senior Capstone</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Earth Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 304</td>
<td>Modern Physical Astronomy</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal:** 13

---
• For more information, contact Program Coordinator David Buckley at 570-422-3351 or email dbuckley@esu.edu.

Physics B.S.
Concentration: Industrial Physics
The Industrial Physics concentration prepares students for careers in industry that require a strong background in physics. The first three years of the industrial physics concentration mirrors the first three years of the Engineering Transfer program within the Bachelor of Arts in Physics.
Contact person: Jerry Ross

PROGRAM FEATURES
74 credits

Required major core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 111</td>
<td>Engineering Graphics</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 161</td>
<td>GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 162</td>
<td>GE: Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>Statics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 240</td>
<td>Basic Electronics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 261</td>
<td>Physics III</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 282</td>
<td>Mathematical Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 333</td>
<td>Advanced Physics Lab I</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 334</td>
<td>Advanced Physics Lab II</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 361</td>
<td>Physics IV</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 315</td>
<td>Computational Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 431</td>
<td>Electromagnetic Theory</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 495</td>
<td>Senior Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 41

Six Additional Credits from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 301</td>
<td>Strength Of Materials</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 403</td>
<td>Optics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 411</td>
<td>Thermal Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 421</td>
<td>Statistical Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 423</td>
<td>Advanced Electronics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 428</td>
<td>Theoretical Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 432</td>
<td>Applied Electromagnetic Theory</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Radio Waves</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and High Frequency Circuits</td>
<td></td>
</tr>
<tr>
<td>PHYS 433</td>
<td>Atomic and Nuclear Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 441</td>
<td>Theoretical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 471</td>
<td>Special Problems in Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 486</td>
<td>Field Experience and Internships</td>
<td>1-18</td>
</tr>
<tr>
<td>PHYS 493</td>
<td>Research in Physics</td>
<td>1-18</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Analytical Chemistry I</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 6

of which PHYS 486 is preferred.

Co-requisite courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>GN: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 240</td>
<td>Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 114</td>
<td>GN: Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>ECON 111</td>
<td>GN: Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 112</td>
<td>GN: Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 204</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 29

Recommended courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 124</td>
<td>GE: General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 126</td>
<td>GE: General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 311</td>
<td>Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 320</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 341</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional requirements:
At least nine credits of required courses (not co-requisites) must be completed at East Stroudsburg University. A minimum of a “C-” must be obtained in each of the required and cognate courses.

4 YEAR CURRICULUM PROGRAM PLAN (INDUSTRIAL PHYSICS)
(Subject to change by the university without notice)

Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>MATH 135</td>
<td>GN: Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>GN: Physical Science - Force, Matter and Energy</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 111</td>
<td>Engineering Graphics</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 204</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 161</td>
<td>GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 121</td>
<td>GN: General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>GN: General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 141</td>
<td>GN: Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 14

Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 162</td>
<td>GE: Physics II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 240</td>
<td>Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective (Group C)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective (Group A)</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 16
Science as a process - its attributes, strengths, and limitations - is also atomic structure, waves, heat and thermodynamics, and nuclear science. Understanding of physical phenomena. Topics included are motion, this course examines selected fundamental concepts necessary to the understanding of the universe works. The physics minor provides options for students who want a physics background in addition to their principal major. While it is typically paired with science majors like chemistry, mathematics and computer science, it can also be used with any major to strengthen one’s problem-solving skills, a trait sought by employers, or to simply address one’s curiosity about how the universe works.

**DEGREE REQUIREMENTS**

29 credits (12 of which are cognate)

*Required courses*

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 161</td>
<td>GN: Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 162</td>
<td>GE: Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 261</td>
<td>Physics III</td>
<td>3</td>
</tr>
</tbody>
</table>

And 6 additional credits in PHYS- 300 level or above

*Co-requisites*

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 140</td>
<td>GN: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>GN: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 240</td>
<td>Multivariate Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

**Physics Minor**

The physics minor provides options for students who want a physics background in addition to their principal major. While it is typically paired with science majors like chemistry, mathematics and computer science, it can also be used with any major to strengthen one’s problem-solving skills, a trait sought by employers, or to simply address one’s curiosity about how the universe works.

**Physics Faculty**

Professors:

David Buckley (dbuckley@esu.edu)

Robert Cohen, Chair (rcohen@esu.edu)

John Elwood (jelwood@esu.edu)

Associate Professor:

Jerry Ross (jross@esu.edu)

**PHYS - Physics Courses**

**PHYS 101 - GN: Physical Science - Force, Matter and Energy (3 credits)**

This course examines selected fundamental concepts necessary to the understanding of physical phenomena. Topics included are motion, atomic structure, waves, heat and thermodynamics, and nuclear science. Science as a process - its attributes, strengths, and limitations - is also examined. Demonstrations dealing with physical principles characterize much of the course.

Distribution: GE: Natural Sciences - Physics | GN: Group B - Physics (BPH).

**PHYS 102 - GE: Physics as a Liberal Art (3 credits)**

This course acquaints students with what physics is and how it is important. It provides an introduction to physics and its development, examines the physical world in which we live, and explores issues and technologies with which physicists and engineers are involved. This course does not involve problem solving and is available to non-science majors with a non-mathematical background.

Distribution: GE: Natural Sciences - Physics.

**PHYS 105 - GN: Physics for the Inquiring Mind (3 credits)**

This is a descriptive course designed to raise the level of scientific literacy, particularly in the basic tenets of physics. Topics include Newtonian mechanics, satellite trajectories, and several areas of current interest.

Distribution: GE: Natural Sciences - Physics | GN: Group B - Physics (BPH).

**PHYS 106 - GE: Modern Physics (3 credits)**

This course examines recent developments that have led to our current understanding of nature and have influenced human thought and values. The universal symmetries, relativity, and quantum mechanics will be examined in depth by exploring the processes of reasoning and investigation that led to their discoveries and a connection sought between modern physical thinking and events of the current scene.

Distribution: GE: Natural Sciences - Physics.

**PHYS 107 - GE: Physics and Forensic Science (3 credits)**

This course considers forensic evidence and the reliability of the data analyzed in the laboratory. It looks at basic physics principles found in optics, statics and kinematics and shows how forensic scientists apply them to court room evidence.

Distribution: GE: Natural Sciences - Physics.

**PHYS 110 - GN: Sound Waves & Light (3 credits)**

This course is designed to inform the students of the wave nature of the physical world. It is a qualitative presentation of the phenomena of sound, light, electricity, and magnetism.

Distribution: GE: Natural Sciences - Physics | GN: Group B - Physics (BPH). Prerequisite: Satisfaction of ESU basic mathematical skills competency.

**PHYS 111 - Engineering Graphics (2 credits)**

This course includes multiview projections, pictorial drawings, dimensioning, engineering standards and working drawings. It involves an introduction to creative design, space analysis, graphs, graphical mathematics, vector analysis, and design implementation (CAD and manual).

Prerequisite: MATH135 or Concurrent.

**PHYS 117 - GN: Energy (3 credits)**

This course introduces the concept of energy in all its forms and discusses its role in modern society. Discussions include sources of energy, along with their social and environmental impact.

Distribution: GE: Natural Sciences - Physics | GN: Group B - Physics (BPH). Prerequisite: Satisfaction of ESU basic mathematical skills competency.

**PHYS 121 - GN: Astronomy: The Sky and Solar System (3 credits)**

This course in descriptive astronomy deals with the scientific principles essential to the understanding of astronomy. Topics covered include basic observational astronomy, the historical development of astronomy, spectroscopy and telescopes, planetary science, the origin and evolution of the solar system, and the sun as a star.

Distribution: GE: Natural Sciences - Physics | GN: Group B - Physics (BPH). Prerequisite: Satisfaction of ESU basic mathematical skills competency.
PHYS 122 - GN: Astronomy: Stars and Galaxies (3 credits)
This course in descriptive astronomy covers observational properties of stars, stellar life cycles, pulsars and black holes, the Milky Way Galaxy, extragalactic astronomy, quasars, and cosmology. Distribution: GE: Natural Sciences - Physics | GN: Group B - Physics (BPH) | M: Science course with math competency prerequisite. Prerequisite: Satisfaction of ESU basic mathematical skills competency.

PHYS 123 - GE: Introduction to Physical Cosmology (3 credits)
This is a descriptive course which introduces current theories on the origin and evolution of the universe. Particular emphasis is placed on how ideas from such diverse areas of study as extragalactic astronomy, relativity, and particle physics have combined to provide a reasonably coherent theory of the beginning of time and the cosmos. Distribution: GE: Natural Sciences - Physics. Prerequisite: Honors Program students only.

PHYS 124 - Observational Astronomy Lab (1 credit)
This course is intended to give the student experience in the observational techniques of modern astronomy. The course is designed to complement Physics 122 - Astronomy I, but may be taken with Physics 121 - Astronomy I. Corequisite: PHYS 121 OR PHYS 122.

PHYS 126 - GN: Introduction to Weather Forecasting (3 credits)
Fundamental principles of meteorological observations and data analysis are explored within the context of mid-latitude weather forecasting. Distribution: GN: Group B - Physics (BPH) | Science course with math competency prerequisite (M). Prerequisite: Satisfaction of ESU basic mathematical skills competency.

PHYS 131 - GN: Fundamental Physics I (4 credits)
This is the first part of the algebra-based (non-calculus) course sequence for a science majors. Newtonian mechanics is examined and applied to situations including gravitation, rotation and oscillations, with a focus on being able to apply a few general laws and definitions to a wide variety of novel situations. Experimental skills will be developed with an emphasis on the interpretation of data, such as the identification of patterns and uncertainties in the data and calculations and testing possible mechanisms consistent with those patterns. Distribution: GE: Natural Sciences - Physics | GN: Group B - Physics (BPH). Prerequisite: MATH 135 (B-), MATH 140 (C-) or a 500 or better on the math SAT.

PHYS 132 - GE: Fundamental Physics II (4 credits)
This course is the second part of the algebra-based (non-calculus) course sequence for science majors. The focus is on abstract models used to describe and predict phenomenon in electricity, magnetism, waves, light and optics. Some material in atomic and nuclear physics is also examined. Competency in using optical and electrical equipment will be developed with an emphasis on the consistency between the abstract models and the properties of the equipment and physical phenomena that are examined. Distribution: GE: Natural Sciences - Physics | Advanced. Prerequisite: PHYS 131 or PHYS 161.

PHYS 161 - GN: Physics I (4 credits)
Together with Physics II, this course covers basic principles and methods of all branches of classical physics at an introductory level. Topics include Newtonian mechanics, gravitation, waves, optics, heat electricity and magnetism. Distribution: GE: Natural Sciences - Physics | GN: Group B - Physics (BPH). Prerequisite: MATH 140.

PHYS 162 - GE: Physics II (4 credits)
Continuation of Physics I. Distribution: Advanced (ADVD) | GE: Natural Sciences - Physics. Prerequisite: MATH 140, PHYS 161. Corequisite: MATH 141.

PHYS 201 - Statics (3 credits)
This course examines the composition and resolution of forces, equilibrium of particles and rigid bodies, centroids, moments and products of inertia, distributed forces, analysis of structures, analysis of beams, friction, and virtual work. Distribution: Advanced. Prerequisite: PHYS 161, MATH 140. Corequisite: MATH 141.

PHYS 240 - Basic Electronics (4 credits)
This course provides students with an introduction to the theory and design of basic electronics circuits. Both analog and digital circuits will be explored, and students will gain experience interfacing their circuits with external devices and sensors. Prerequisite: PHYS 161; MATH 141 recommended.

PHYS 241 - Linear and Digital Electronics (3 credits)
This course is designed for students in the sciences or computer sciences who wish to review basic electricity and how electronic components are combined to form linear (e.g. amplifier) and digital functions. Prerequisite: Algebra and Trigonometry.

PHYS 261 - Physics III (3 credits)
This course extends the concepts of PHYS 161 and PHYS 162 to an exploration of wave phenomena, thermodynamics, and special relativity. Distribution: Advanced. Prerequisite: PHYS 161, PHYS 162, MATH 140, MATH 141. Corequisite: MATH 240.

PHYS 290 - Special Topics: (Semester hours arranged, 1 - 4 credits)
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

PHYS 301 - Strength Of Materials (3 credits)
This course explores strength and elasticity of materials, theory of stresses and strains, deflection of beams and shafts, torsion, and buckling of structures. Distribution: Advanced. Prerequisite: PHYS 201 AND MATH 140.

PHYS 302 - Dynamics (3 credits)
This course considers dynamics of particles and rigid bodies, relative motion, dynamic equilibrium, D’Alembert’s principle, work, energy, impulse, and momentum. Distribution: Advanced. Prerequisite: PHYS201 AND MATH141.

PHYS 304 - Modern Physical Astronomy (3 credits)
This course is a quantitative treatment of modern astronomy stressing the application of basic physics for investigating the properties of celestial bodies and systems. Topics will include basic celestial mechanics, radiation and matter, stellar structure and evolution, the structure and motions of galaxies, and cosmology. Cannot be counted toward credit for the major if PHYS 404 is taken as well. Distribution: Advanced. Prerequisite: PHYS 131 OR PHYS 161, PHYS 121, PHYS 122, MATH140. Corequisite: PHYS 132 or 162.

PHYS 305 - Physics of the Atmosphere (3 credits)
This course provides an introduction to the physical process of the atmosphere. Mechanisms affecting heat, moisture and air motion are investigated and related to atmospheric phenomena. Distribution: Advanced. Prerequisite: MATH 140, PHYS 131 (or PHYS 161), PHYS 126 (or GEOG 220), and CHEM 121.

PHYS 315 - Computational Physics (3 credits)
The course will introduce students to the field of Computational Physics. Students will learn how to use the computer to solve problems in physics.
that cannot easily be solved analytically (“by hand”). Besides reading and learning about the techniques, students will be expected to write software to implement the techniques learned in class in order to gain insight into the physical phenomena and the computational techniques (formerly PHYS 415).

PHYS 328 - Mathematical Physics (3 credits)
This course introduces the student to common problem-solving techniques used in solving advanced physics problems. Many typical mathematical tools that are essential to solving physics problems are introduced and practiced in this course.
Distribution: Advanced. Prerequisite: PHYS162 AND MATH240.

PHYS 333 - Advanced Physics Lab I (3 credits)
This course is an open-ended but directed laboratory activity in both classical and modern physics.

PHYS 334 - Advanced Physics Lab II (3 credits)
This course has the same description as PHYS 333, but different experiments are performed. These two courses can be taken in either order.
Distribution: Advanced. Prerequisite: PHYS 161, PHYS 162; Prerequisite or corequisite PHYS 261.

PHYS 361 - Physics IV (3 credits)
This course introduces the student to the physics of atoms, molecules, nuclei and elementary particles. The course includes early quantum theory, relativistic mechanics, and the wave and quantum properties of photons and electrons; Schrodinger’s equation, and its application to the structure of atoms, molecules, and solids; nuclear physics, elementary particles.
Distribution: Advanced. Prerequisite: PHYS 261 AND MATH 240 AND PHYS 328 or Concurrent Enrollment.

PHYS 370 - The Rise of Modern Science and Technology (3 credits)
The Rise of Modern Science and Technology is an in-depth study of the development of modern physical science and its connection to technology. The models that are considered training points for scientific theory are examined in detail. The mutual interaction of science and technology is presented within the context of scientific development.
Prerequisites: Introductory science course at the college level and junior standing; Honors Program.
Distribution: Advanced. Prerequisite: Introductory Science Course at the College Level and Junior Standing.

PHYS 401 - Quantum Physics (3 credits)
This course introduces ideas of wave mechanics and matrix mechanics. Schrodinger’s equation is applied to simple problems. Approximation techniques for the more difficult problems of nuclear and atomic physics are studied.
Distribution: Advanced. Prerequisite: PHYS 328 & PHYS 361.

PHYS 402 - Contemporary Topics in Science (3 credits)
This course deals with the nature and theoretical basis of recent noteworthy advances in science. Interdisciplinary in design, the course draws its content from the various disciplines of the natural sciences. Emphasis is placed upon topics being reported upon in professional journals. This course also listed as BIOL 402, and CHEM 402.
Distribution: Advanced. Prerequisite: PHYS 105 OR PHYS 117 OR PHYS 121 OR PHYS 131 OR PHYS 161.

PHYS 403 - Optics (3 credits)
This course will cover geometrical, wave optics and applications of optical phenomena used in industry with an emphasis on how mathematical models of these phenomena are used. Possible topics include diffraction, fourier optics, basics of coherence theory, laser technology, holography and non-linear optics.
Distribution: Advanced. Prerequisite: PHYS 261 AND PHYS 328.

PHYS 404 - Introductory Astrophysics (3 credits)
This course is in modern astrophysics stressing the application of physical concepts to the study of the heavens. Topics will include radiative transfer, astrophysical radiative processes, stellar structure and evolution, compact stars and black holes, galactic and extragalactic astrophysics, and cosmology.
Distribution: Advanced. Prerequisite: PHYS 121, PHYS 361 & MATH 141.

PHYS 405 - The Development of Modern Physical Science (3 credits)
This course examines past works and philosophical thought of noted physical scientists. Emphasis is placed on the nature of scientific discovery and the processes of science. This course is also listed as CHEM 405.
Distribution: Advanced. Prerequisite: PHYS 105 OR PHYS 117 OR PHYS 121 OR PHYS 131 OR PHYS 161.

PHYS 411 - Thermal Physics (3 credits)
This course deals with heat and thermodynamics and applications to special systems, kinetic theory of gases, and statistical mechanics.
Distribution: Advanced. Prerequisite: PHYS 261, PHYS 328 & MATH 240.

PHYS 415 - Computational Physics
This course is now offered as PHYS 315 - effective Fall 2020

PHYS 421 - Statistical Physics (3 credits)
Students study large-scale systems consisting of many atoms or molecules. Subjects of statistical mechanics, kinetic theory, thermodynamics, and heat are introduced.
Distribution: Advanced. Prerequisite: PHYS 261, PHYS 328 & MATH 240.

PHYS 423 - Advanced Electronics (4 credits)
This course will develop the theory of precision operational amplifier circuits, analog to digital converters, digital to analog converters and analog switches. The course will introduce the student to digital design using discrete circuits, PAL's and Field Programmable Gate arrays. The student will learn about the control and interfacing of these circuits to microcontrollers as well as understanding the implications of hardware vs. software control and processing of signals.
Distribution: Advanced. Prerequisite: PHYS 261, PHYS 328 & MATH 240.

PHYS 428 - Theoretical Physics (3 credits)
The main thrust of this course will be the application of various standard mathematical techniques to the solution of upper level problems in Mechanics, Electromagnetism, Wave Theory, Fluid Dynamics, Statistical Mechanics, Quantum Physics, and Relativity. Students considering advanced study or employment in the field of Physics or Engineering are highly encouraged to enroll.
Distribution: Advanced. Prerequisite: PHYS 240 AND MATH 140 AND MATH 141 AND PHYS 162 OR PHYS 132.

PHYS 431 - Electromagnetic Theory (3 credits)
This course starts with an introduction to electrostatic problems. The student is then introduced to special relativity and the Lorentz transformation. Special relativity is then used to transform the electrostatic problem to understand magnetic fields, Maxwell's equations, and electrodynamics. Finally, an introduction to electromagnetic waves and their propagation is developed.
Distribution: Advanced. Prerequisite: PHYS 162 & PHYS 328.
PHYS 432 - Applied Electromagnetic Theory: Radio Waves and High Frequency Circuits (4 credits)
This course will apply Maxwell’s equations to the propagation of electromagnetic waves in free space, wave guides and coaxial cables. The transmission line equation will be developed and analyzed for the case of real practicable transmission line. Maxwell’s equations will be used to analyze antennas.
Distribution: Advanced. Prerequisite: PHYS 161 AND PHYS 162 AND PHYS 432 AND MATH 341.

PHYS 433 - Atomic and Nuclear Physics (3 credits)
This course examines the quantum-mechanical basis of atomic and nuclear structure and studies the phenomena of atomic and nuclear transitions.
Distribution: Advanced. Prerequisite: PHYS 361.

PHYS 441 - Theoretical Mechanics (3 credits)
This course discusses the application of Newtonian mechanics to more complicated systems than those studied in Physics I.
Distribution: Advanced. Prerequisite: PHYS 261, PHYS 328 & MATH 240.

PHYS 471 - Special Problems in Physics (3 credits)
This course introduces the student to detailed and complete treatments of problems which require expertise from several areas.
Distribution: Advanced. Prerequisite: PHYS 161, PHYS 162.

PHYS 485 - IS: (1 - 18 credits)
This experience is taken upon the initiative of a student who seeks to study with a knowledgeable faculty member in order to deepen a specific interest in a particular academic discipline. Independent study is a process through which a student either sharply increases his/her already advanced knowledge of a subject matter or increases his/her appreciation about an academic discipline that is related to a student’s advanced knowledge of a subject. The proposed independent study must be submitted to the department for approval. The faculty member supervising the independent study must provide a minimum of five (5) hours of time per credit hour upon request of the student.
Distribution: Advanced. Prerequisite: PHYS 105 OR PHYS 131 OR PHYS 161.

PHYS 486 - Field Experience and Internships (1 - 18 credits)
Field Experience and Internships
Distribution: Advanced. Prerequisite: PHYS 105 OR PHYS 110 OR PHYS 117 OR PHYS 121 OR PHYS 131 OR PHYS 161.

PHYS 493 - Research in Physics (1 - 18 credits)
This course is an experimental investigation selected by the student in consultation with a member of the faculty and carried out under the faculty’s supervision. Approximately twelve hours of research per week is required for three credits. Prerequisites: Junior or senior standing as a physics major or by permission of the department.
Distribution: Advanced. Prerequisite: Junior or Senior standing as a Physics major required or permission of department.

PHYS 495 - Senior Capstone (3 credits)
Participants perform self-guided, in-depth examinations of relatively common phenomena, contemporary issues and/or recent research in physical and related fields. Supporting evidence and theory is documented in formal written and/or oral reports by participants. Attendance in departmental colloquia is required.
Distribution: Advanced | Information Literacy/Technology (I) | Level III Writing (W3). Prerequisite: (PHYS 131 or PHYS 161) and (PHYS 132 or PHYS 162) and a Writing Level II class.

PHYS 499 - Student Teaching Internship (1 credit)
This course is designed to provide the student with an opportunity to work with a faculty member in the student’s primary Arts and Sciences discipline during the student teaching experience. The course will enhance the student’s ability to understand and maximize the relationship between disciplinary subject matter and pedagogy.
Distribution: Advanced. Prerequisite: Qualification to Student Teach. . Corequisite: Concurrent registration in PSED 430 or PSED 431.

Political Science

College of Arts and Sciences
The Faculty of Social Sciences
Stroud Hall, Room 409
570-422-3286
www.esu.edu/pols

The Political Science program is housed in the Department of Political Science and Economics.

About the Program
East Stroudsburg University’s Political Science curriculum comprises the systematic study of the theory and practice of politics at various levels – domestic, international, public and private sectors. Depending on their interests, undergraduates can focus on questions of a theoretical nature, the role and performance of political institutions and political systems, or the behavior of individuals and groups. Our Political Science degree prepares students to work in both the public and private sectors. Many majors also use this preparation as a basis for further study in graduate school or law school.

An ESU student who majors in Political Science earns a Bachelor of Arts degree. Several options are available to Political Science majors. Students may choose among four concentrations:
• American Government and Politics
• Pre-Law
• International Relations and Comparative Government
• Public Administration

Are you interested in...
• Solving complex problems
• Developing and marketing ideas
• International travel

Choose Political Science at ESU
• Individualize focus and opportunities for mentoring
• Faculty with professional experience
• Internships and job placement
• Study Abroad programs

Is Political Science a career path for me?

Career Potential
• Elected Official
• Campaign Manager
• Legislative Aide
• Country/Area Specialist
• Policy analyst
• Local government manager
• Lobbyist

Career Settings
• Local, state and federal government
• Political campaigns
• Nonprofit organizations
• International organizations
• Multinational corporations

More detailed career information is available from the department.
Political Science B.A.
Students may choose between four major concentrations. The American Government and Politics; Pre-Law; Public Administration, and International Relations and Comparative Government.

Note: The department does not accept transfer credit in upper division coursework (i.e., 300 or 400 level courses) for political science courses completed at community colleges, junior colleges, trade schools, etc.

PROGRAM FEATURES
36 - 39 credits

Required Courses:
Core Requirements
POLS 111   GN: Principles of Political Science  3
POLS 117   GN: Introduction to Global Politics  3
POLS 120   GN: American Government  3
POLS 160   GN: Introduction to Public Administration 3
POLS 317   Exploring Politics: Methods and Techniques 3
POLS 495   Seminar 3

Directed General Education Courses
ENGL 162   GN: Intro to Literary Analysis and Interpretation 3
MLXX ____ Any Modern Language 116 or 117 course 3

Choose one
HIST 111   GN: World History to 1500 3
HIST 112   GE: Modern World Civilization, 1300-1914 3
HIST 113   GN: World History since 1500 3
HIST 141   GN: United States History to 1877 3
HIST 142   The United States as a Developing Nation in the 19th Century 3
HIST 143   GN: United States History since 1877 3

Choose one
MATH 100   GN: Numbers Sets & Structures 3
MATH 101   GN: Excursions in Mathematics 3
MATH 110   GN: General Statistics 3
MATH 130   GN: Applied Algebraic Methods 3
MATH 131   GE: Applied Calculus 3
MATH 135   GN: Pre-Calculus 3
MATH 140   GN: Calculus I 4
MATH 141   GN: Calculus II 4

Additional Requirements
• All concentrations will take the same core courses (18 credits).
• Student must have a “C” or higher in each of the core courses and a 2.5 within all courses in the major.

Political Science B.A.

Concentration: American Government and Politics
Required Core Courses:
POLS 111   GN: Principles of Political Science 3
POLS 117   GN: Introduction to Global Politics 3
POLS 120   GN: American Government 3
POLS 160   GN: Introduction to Public Administration 3
POLS 317   Exploring Politics: Methods and Techniques 3
POLS 495   Seminar 3

Subtotal: 18

Required courses:
POLS 255   GE: Issues in American Public Policy 3
POLS 352   GE: History of Political Theory 3
POLS 468   Strategies for Policy Analysis 3

Subtotal: 9

Choose three of the following: 9 credits
POLS 222   GE: Contemporary Political Ideologies 3
POLS 225   GE: Politics through Literature 3
POLS 243   GE: Women And Politics 3
POLS 293   GE: Public Policy and Administration 3
POLS 312   GE: Political Parties and Politics 3
POLS 313   GE: Courts and the Judicial Process 3
POLS 314   GE: State and Local Government 3
POLS 325   Racial & Ethnic Politics 3
POLS 330   Political Communication 3
POLS 413   American Constitutional Law 3
POLS 414   Constitutional Civil Liberties 3
POLS 416   Administrative Law 3
POLS 438   United States Foreign Policy 3
POLS 450   Campaigns and Elections 3
POLS 452   American Political Ideas 3
POLS 454   Legislative Process 3
POLS 462   Political Behavior 3
POLS 466   Public Budgeting & Finance 3
POLS 467   Public Personnel Administration 3
POLS 485   IS: 1 - 12
POLS 486   Field Experiences and Internships 1 - 12

4 YEAR CURRICULUM PROGRAM PLAN

Freshman Year Fall
POLS 111   GN: Principles of Political Science 3
POLS 117   GN: Introduction to Global Politics 3
MATH ____ MATH 100 Level 3
HIST ____ HIST 100 Level 3
FYE 100   University Studies 3

Subtotal: 15

Spring
POLS 120   GN: American Government 3
POLS 160   GN: Introduction to Public Administration 3
ENGL 162   GN: Intro to Literary Analysis and Interpretation 3
ENGL 103   English Composition 3
MLXX ____ Modern Language 116 or 117 3

Subtotal: 15

Sophomore Year Fall
POLS 225   GE: Politics through Literature 3
GenEd ____ General Education Elective 3
GenEd ____ General Education Elective 3
GenEd ____ General Education Elective 3
GenEd ____ General Education Elective 3

Subtotal: 15

Spring
GenEd ____ General Education Elective 3
GenEd ____ General Education Elective 3
GenEd ____ General Education Elective 3
GenEd ____ General Education Elective 3

Subtotal: 15

Junior Year Fall
POLS 317   Exploring Politics: Methods and Techniques 3
POLS ____ Political Science Elective 3
POLS ____ Political Science Elective 3
HPLW 105   Health Promotion and Lifetime Wellness 3
XXX ____ Elective 3

Subtotal: 15
### Political Science B.A.

**Concentration: International Relations and Comparative Government**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Core Courses:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLS 111</td>
<td>GN: Principles of Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 117</td>
<td>GN: Introduction to Global Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 120</td>
<td>GN: American Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 160</td>
<td>GN: Introduction to Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>POLS 317</td>
<td>Exploring Politics: Methods and Techniques</td>
<td>3</td>
</tr>
<tr>
<td>POLS 495</td>
<td>Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 18**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Choose four of the following: 12 credits</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLS 230</td>
<td>GE: Asia</td>
<td>3</td>
</tr>
<tr>
<td>POLS 332</td>
<td>GE: Comparative European Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 333</td>
<td>GE: Africa</td>
<td>3</td>
</tr>
<tr>
<td>POLS 343</td>
<td>The Middle East</td>
<td>3</td>
</tr>
<tr>
<td>POLS 399</td>
<td>European Union Studies</td>
<td>3</td>
</tr>
<tr>
<td>POLS 420</td>
<td>East Asia and Transpacific Relations</td>
<td>3</td>
</tr>
<tr>
<td>POLS 438</td>
<td>United States Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>POLS 441</td>
<td>Introduction to International Security</td>
<td>3</td>
</tr>
<tr>
<td>POLS 445</td>
<td>International Law and Organization</td>
<td>3</td>
</tr>
<tr>
<td>POLS 453</td>
<td>Modern Western Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>POLS 485</td>
<td>IS:</td>
<td>1-3</td>
</tr>
<tr>
<td>POLS 486</td>
<td>Field Experiences and Internships</td>
<td>1-12</td>
</tr>
</tbody>
</table>

**Subtotal: 9**

### 4 YEAR CURRICULUM PROGRAM PLAN

#### Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 111</td>
<td>GN: Principles of Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 117</td>
<td>GN: Introduction to Global Politics</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 352</td>
<td>GE: History of Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>POLS ___</td>
<td>Political Science Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Senior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 468</td>
<td>Strategies for Policy Analysis</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

### Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 223</td>
<td>GN: Developing Countries</td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 322</td>
<td>GE: International Relations</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

### Junior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 317</td>
<td>Exploring Politics: Methods and Techniques</td>
<td>3</td>
</tr>
<tr>
<td>POLS ___</td>
<td>Political Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>POLS ___</td>
<td>Political Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 429</td>
<td>Introduction to International Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

### Senior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 495</td>
<td>Seminar</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 352</td>
<td>GE: History of Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

### Political Science B.A.

**Concentration: Pre-Law**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 111</td>
<td>GN: Principles of Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 117</td>
<td>GN: Introduction to Global Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Core Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 111</td>
<td>GN: Principles of Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 117</td>
<td>GN: Introduction to Global Politics</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Instructor</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>------------</td>
</tr>
<tr>
<td>POLS 120</td>
<td>GN: American Government</td>
<td></td>
</tr>
<tr>
<td>POLS 160</td>
<td>GN: Introduction to Public Administration</td>
<td></td>
</tr>
<tr>
<td>POLS 317</td>
<td>Exploring Politics: Methods and Techniques</td>
<td></td>
</tr>
<tr>
<td>POLS 495</td>
<td>Seminar</td>
<td></td>
</tr>
<tr>
<td>POLS 160</td>
<td>GN: Introduction to Public Administration</td>
<td></td>
</tr>
<tr>
<td>POLS 317</td>
<td>Exploring Politics: Methods and Techniques</td>
<td></td>
</tr>
<tr>
<td>POLS 495</td>
<td>Seminar</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal: 18**

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 313</td>
<td>GE: Courts and the Judicial Process</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 352</td>
<td>GE: History of Political Theory</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 413</td>
<td>American Constitutional Law</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 9**

**Choose three of the following: 9 credits**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 222</td>
<td>GE: Contemporary Political Ideologies</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 223</td>
<td>GN: Developing Countries</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 225</td>
<td>GE: Politics through Literature</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 243</td>
<td>GE: Women And Politics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 255</td>
<td>GE: Issues in American Public Policy</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 293</td>
<td>GE: Public Policy and Administration</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 312</td>
<td>GE: Political Parties and Politics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 314</td>
<td>GE: State and Local Government</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 325</td>
<td>Racial &amp; Ethnic Politics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 414</td>
<td>Constitutional Civil Liberties</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 416</td>
<td>Administrative Law</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 435</td>
<td>The Presidency</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 445</td>
<td>International Law and Organization</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 450</td>
<td>Campaigns and Elections</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 452</td>
<td>American Political Ideas</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 454</td>
<td>Legislative Process</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 462</td>
<td>Political Behavior</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 466</td>
<td>Public Budgeting &amp; Finance</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 467</td>
<td>Public Personnel Administration</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 485</td>
<td>IS:</td>
<td></td>
<td>1-3</td>
</tr>
<tr>
<td>POLS 486</td>
<td>Field Experiences and Internships</td>
<td></td>
<td>1-12</td>
</tr>
</tbody>
</table>

**Directed General Education Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 110</td>
<td>GN: Introduction to Philosophy</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose one**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 221</td>
<td>GN: Logic I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 238</td>
<td>GE: Philosophy Of Law</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose one**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 253</td>
<td>GN: Public Speaking</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THTR 102</td>
<td>GN: Acting</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**4 YEAR CURRICULUM PROGRAM PLAN**

**Freshman Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 111</td>
<td>GN: Principles of Political Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 117</td>
<td>GN: Introduction to Global Politics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST ____</td>
<td>HIST 100 Level</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Sophomore Year Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 221</td>
<td>GN: Logic I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 238</td>
<td>GE: Philosophy Of Law</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CMST 253</td>
<td>GN: Public Speaking</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THTR 102</td>
<td>GN: Acting</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH ____</td>
<td>MATH 100 Level</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenEd ____</td>
<td>General Education Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GenEd ____</td>
<td>General Education Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Junior Year Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 313</td>
<td>GE: Courts and the Judicial Process</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 317</td>
<td>Exploring Politics: Methods and Techniques</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS ____</td>
<td>Political Science Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 352</td>
<td>GE: History of Political Theory</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS ____</td>
<td>Political Science Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS ____</td>
<td>Political Science Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Senior Year Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 413</td>
<td>American Constitutional Law</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 495</td>
<td>Seminar</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 15**

**Political Science B.A.**

**Concentration: Public Administration**

**Required Core Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 111</td>
<td>GN: Principles of Political Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 117</td>
<td>GN: Introduction to Global Politics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 120</td>
<td>GN: American Government</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 160</td>
<td>GN: Introduction to Public Administration</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 317</td>
<td>Exploring Politics: Methods and Techniques</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POLS 495</td>
<td>Seminar</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>
# 4 YEAR CURRICULUM PROGRAM PLAN

## Freshman Year Fall
- POLS 111  | GN: Principles of Political Science  | 3
- POLS 117  | GN: Introduction to Global Politics | 3
- ENGL 103  | English Composition                  | 3
- FYE 100   | University Studies                   | 3
- MATH ____  | MATH 100 Level                       | 3

**Subtotal:** 15

## Spring
- POLS 120  | GN: American Government              | 3
- POLS 160  | GN: Introduction to Public Administration | 3
- ENGL 162  | GN: Intro to Literary Analysis and Interpretation | 3
- MLXX ____  | Modern Language 116 or 117          | 3
- HIST ____  | HIST 100 Level                       | 3

**Subtotal:** 15

## Sophomore Year Fall
- POLS 293  | GE: Public Policy and Administration | 3
- HPLW 105  | Health Promotion and Lifetime Wellness | 3
- GenEd ____ | General Education Elective           | 3
- GenEd ____ | General Education Elective           | 3
- GenEd ____ | General Education Elective           | 3

**Subtotal:** 15

## Spring
- GenEd ____ | General Education Elective           | 3
- GenEd ____ | General Education Elective           | 3
- GenEd ____ | General Education Elective           | 3
- GenEd ____ | General Education Elective           | 3
- GenEd ____ | General Education Elective           | 3

**Subtotal:** 15

## Junior Year Fall
- POLS 317  | Exploring Politics: Methods and Techniques | 3
- POLS ____  | Political Science Elective            | 3
- POLS ____  | Political Science Elective            | 3
- XXXX ____  | Elective                              | 3
- XXXX ____  | Elective                              | 3

**Subtotal:** 15

## Spring
- POLS ____  | Political Science Elective            | 3
- XXXX ____  | Elective                              | 3
- XXXX ____  | Elective                              | 3
- XXXX ____  | Elective                              | 3

**Subtotal:** 15

## Senior Year Fall
- POLS 416  | Administrative Law                   | 3
- POLS 466  | Public Budgeting & Finance            | 3
- XXXX ____  | Elective                              | 3
- XXXX ____  | Elective                              | 3
- XXXX ____  | Elective                              | 3

**Subtotal:** 15

## Spring
- POLS 467  | Public Personnel Administration      | 3
- POLS 495  | Seminar                               | 3
- XXXX ____  | Elective                              | 3
- XXXX ____  | Elective                              | 3
- XXXX ____  | Elective                              | 3

**Subtotal:** 15

---

### Accelerated Pathway from B.A. in Political Science to M.A. in Political Science or M.S. in Management and Leadership-Public Administration

**Accelerated Pathway:** Political Science students may complete an accelerated pathway through the Bachelor of Arts (BA) in Political Science to Master of Arts (MA) in Political Science, or the Master of Science (MS) in Management and Leadership-Public Administration. This accelerated pathway allows qualified undergraduate students to take up to twelve (12) graduate credits of coursework that will apply to both the undergraduate and graduate degrees.

To qualify for the Political Science accelerated pathway a student must have earned at least sixty (60) undergraduate credits and have an overall GPA of 3.30. Students will need to obtain the approval of the Political Science Department Chair and the political science or MML-PA graduate program coordinator to participate in the accelerated pathway. Students in the accelerated pathway can take no more than three (3) graduate credits per semester. While all political science graduate courses are open to students in the accelerated program, completion of the undergraduate research methods course (POLS 317 Exploring Politics: Methods and Techniques) or a similar undergraduate research methods course, is required to enroll in POLS 570 Introduction to Research: Scope and Methods.

Students in the accelerated pathway must meet with both their undergraduate advisor and the graduate coordinator prior to enrolling in the graduate course.

**Additional Requirement:** A student must have obtained a grade of “B” or higher in the graduate course in order for it to count towards the graduate
degree program, while a grade of “C” or higher is necessary in order for it to count towards the undergraduate degree program.

**Political Science Minors**

1. Politics and Government Concentration
2. Pre-Law Concentration
3. European Studies Concentration

**POLITICS AND GOVERNMENT**

**Required courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 111</td>
<td>GN: Principles of Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 120</td>
<td>GN: American Government</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose two:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 313</td>
<td>GE: Courts and the Judicial Process</td>
<td>3</td>
</tr>
<tr>
<td>POLS 413</td>
<td>American Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>POLS 416</td>
<td>Administrative Law</td>
<td>3</td>
</tr>
<tr>
<td>POLS 445</td>
<td>International Law and Organization</td>
<td>3</td>
</tr>
</tbody>
</table>

**Six additional credits of POLS 200 level and above classes**

**Subtotal:** 18

At least six of these credits must be 300 and/or 400 level courses.

**PRE-LAW MINOR (18 SEMESTER HOURS)**

**Required courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 111</td>
<td>GN: Principles of Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 120</td>
<td>GN: American Government</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose two:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 313</td>
<td>GE: Courts and the Judicial Process</td>
<td>3</td>
</tr>
<tr>
<td>POLS 413</td>
<td>American Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>POLS 416</td>
<td>Administrative Law</td>
<td>3</td>
</tr>
<tr>
<td>POLS 445</td>
<td>International Law and Organization</td>
<td>3</td>
</tr>
</tbody>
</table>

**Six additional credits of POLS 200 level or above.**

**Subtotal:** 18

**Co-requisites:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 162</td>
<td>GN: Intro to Literary Analysis and Interpretation</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose one (3 credits):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 221</td>
<td>GN: Logic I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 100</td>
<td>GN: Numbers Sets &amp; Structures</td>
<td>3</td>
</tr>
<tr>
<td>MATH 101</td>
<td>GN: Excursions in Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 130</td>
<td>GN: Applied Algebraic Methods</td>
<td>3</td>
</tr>
<tr>
<td>MGT 211</td>
<td>Financial Accounting Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose one (3 credits):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 253</td>
<td>GN: Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>THTR 102</td>
<td>GN: Acting</td>
<td>3</td>
</tr>
</tbody>
</table>

**EUROPEAN STUDIES**

**Required courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 272</td>
<td>GN: Modern European History</td>
<td>3</td>
</tr>
</tbody>
</table>

**three of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 332</td>
<td>GE: Comparative European Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 399</td>
<td>European Union Studies</td>
<td>3</td>
</tr>
<tr>
<td>POLS 445</td>
<td>International Law and Organization</td>
<td>3</td>
</tr>
<tr>
<td>POLS 453</td>
<td>Modern Western Political Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

**two of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 371</td>
<td>Medieval and Renaissance Europe, 500-1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 382</td>
<td>GE: Modern Britain</td>
<td>3</td>
</tr>
<tr>
<td>HIST 473</td>
<td>Modern Germany</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 318</td>
<td>Schopenhauer Kierkegaard Nietzsche</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 353</td>
<td>Medieval Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 356</td>
<td>Rationalists of the 17th and 18th Centuries</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 357</td>
<td>Empiricists of the 17th and 18th Centuries</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 418</td>
<td>Phenomenology and Existentialism</td>
<td>3</td>
</tr>
<tr>
<td>MLSP 444</td>
<td>Cultural History of Spain</td>
<td>3</td>
</tr>
<tr>
<td>MLFR 343</td>
<td>French Civilization I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Political Science Faculty**

**Professors:**

- Kimberly S. Adams (ksadams@esu.edu)
- Johan Eliasson (jeliasson@esu.edu)
- Kenneth Mash (kmash@esu.edu)
- Adam McGlynn (amclynn@esu.edu)
- Ko Mishima (kmishima@esu.edu)
- Samuel Quainoo, Chair (squainoo@esu.edu)

**POLS - Political Science Courses**

- **POLS 101 - GE: Basic Issues Politics (3 credits)**
  This course explores the major social and political questions that confront the American people. It discusses the conflict that every voter in the nation faces as American democracy strives to bridge the gap between promise and performance, between the ideal and the real in the American political experience.
  Distribution: GE: Social Sciences - Poli Sci

- **POLS 111 - GN: Principles of Political Science (3 credits)**
  This course is an inquiry into such fundamental concepts as state, sovereignty, law, rights, citizenship, liberty, and constitution; included are a study of the functions of government and an identification of the standard institutions for implementing those functions.
  Distribution: GE: Social Sciences - Poli Sci | GN: Group C - Political Science (CPS) | Global Diversity & Citizenship (G).

- **POLS 117 - GN: Introduction to Global Politics (3 credits)**
  This course is an introduction to issues in global politics. It examines major political issues of the global society, such as war, terrorism, nuclear arms control, international organizations, global political economy, and global environmental preservation. It also considers the United States responsibilities in global politics.
  Distribution: GE: Social Sciences - Poli Sci | GN: Group C - Political Science (CPS) | Global Diversity & Citizenship (G).

- **POLS 120 - GN: American Government (3 credits)**
  This course analyzes the basic principles of our federal, state, and local governments with emphasis on the Constitution of the United States and its interpretation as well as the machinery through which it is implemented. Students examine the structure, organization, power, procedures, methods, and functions of executive, legislative, and judicial branches.
  Distribution: GE: Social Sciences - Poli Sci | GN: Group C - Political Science (CPS) | Global Diversity & Citizenship (G).

- **POLS 160 - GN: Introduction to Public Administration (3 credits)**
  This course is an introductory course concerned with American government planning, organizing, and operation necessary for governance on the national, state, and local levels. This course provides the student with an overview of principle concepts and frameworks for understanding: bureaucracy; promulgation of regulations; public management; public budgeting and financial management; public personnel management; public policy analysis; and planning.
  Distribution: GE: Social Sciences - Poli Sci | GN: Group C - Political Science (CPS) | Global Diversity & Citizenship (G).

- **POLS 175 - An Honors Introduction to the Liberal Arts (3 credits)**
  This course is an introduction to issues in global politics. It examines major political issues of the global society, such as war, terrorism, nuclear arms...
control, international organizations, global political economy, and global environmental preservation. It also considers the United States responsibilities in global politics.

POLS 222 - GE: Contemporary Political Ideologies (3 credits)
This course will give the student an understanding and appreciation of important contemporary ideologies such as Conservatism, Liberalism, Marxism, Fascism, Nationalism, and such movements as Feminism, Environmentalism, and Fundamentalism. Distribution: GE: Social Sciences - Poli Sci.

POLS 223 - GN: Developing Countries (3 credits)
This course examines the features common to all developing countries of Africa, Asia, and the Middle East, assesses the efforts to raise the levels of social, economic, and political development of these areas, and includes a detailed study of the goals and capabilities of the political systems of a few selected countries. Distribution: GE: Social Sciences - Poli Sci | GN: Group C - Political Science (CP5) | Global Diversity & Citizenship (G).

POLS 225 - GE: Politics through Literature (3 credits)
This course is an examination of selected fictional works which deal with basic political themes and concepts, e.g., social justice, the political process, ideology, power, various issue areas, etc. It is an analysis of literature and the writer as instruments of political action and change. Distribution: GE: Social Sciences - Poli Sci.

POLS 230 - GE: Asia (3 credits)
The course examines the history, culture and political developments of selected countries in Asia. Students will focus on their economic strategies and concepts of government. They will also examine the differences and commonalities within Asia and outside the sub-region. Distribution: GE: Social Sciences - Poli Sci | Advanced. Prerequisite: POLS111 OR POLS120 OR POLS223 OR POLS231.

POLS 231 - Introduction to Comparative Government (3 credits)
This course introduces students to a cross section of governments outside the American political environment. It analyzes the structure and history of selected governments from Asia, Africa, South and Central America, Australia and Europe. The course provides a theoretical and analytical platform to compare governments and societies of different geographic and cultural background.

POLS 232 - Issues Facing Racial Minorities (3 credits)
This course examines major public policy issues and their disparate impact on racial minorities in the 21st century. Students will identify racial biases in policies that have led to systemic inequality within institutions and society and evaluate their implementation and outcomes. Students will offer recommendations in the form of an evidenced based policy paper to address one of the major topics focusing on its impact on Black Americans, Latinx Americans, Asian Americans or American Indians. Policy topics to be covered in the course include: poverty, voting rights, criminal justice, race relations, housing, education, gender, health care, and the environment. Prerequisite: POLS111 or POLS117 or POLS120 or POLS160.

POLS 243 - GE: Women And Politics (3 credits)
The course will analyze the role and status of women in past and contemporary societies. Students examine the meaning and significance of current feminist movements and their impact on politics and society. The lives of outstanding women are also examined. Distribution: GE: Social Sciences - Poli Sci | Advanced. Prerequisite: POLS111 OR POLS120 OR POLS222.

POLS 255 - GE: Issues in American Public Policy (3 credits)
This course will introduce students to the major domestic public policy issues facing the United States today. This will include identifying the causes of policy problems and evaluating potential solutions. Policy topics to be covered in the course could include: education, the environment, immigration, entitlement programs and health care reform. The topics covered will change based on the significant policy issues being addressed by policymakers at the time the course is offered. Prerequisite: Completed 30 credits. Distribution: GE: Social Sciences - Poli Sci | Level II Writing (W2).

POLS 286 - GE: Sports & Politics (3 credits)
This course addresses the intersection of sports and politics. It will examine how public policy decision impact the operation of professional sports and their franchises. It will further assess the role of sports in advocating for social justice reforms and influencing political behavior. Topics to be discussed include anti-trust policy, the public funding of sports stadiums and the impact of Title IX on scholastic, college and professional sports among others. Prerequisite: POLS111 or POLS117 or POLS120 or POLS160.

POLS 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

POLS 293 - GE: Public Policy and Administration (3 credits)
This course examines the role and scope of public administrators and the challenges that confront them. It also analyzes the stages of the public policy process as well as the internal and external factors that impact public policy. Administration and public policy-making both within and outside America will be surveyed. Distribution: GE: Social Sciences - Poli Sci. Prerequisite: POLS120.

POLS 312 - GE: Political Parties and Politics (3 credits)
This course traces the development of political parties, their functions, organization and effectiveness, with a view toward establishing greater party responsibility in the body politic. Distribution: GE: Social Sciences - Poli Sci | Advanced. Prerequisite: POLS101 OR POLS111 OR POLS120.

POLS 313 - GE: Courts and the Judicial Process (3 credits)
This course examines the various connections between politics and courts. Attention is focused on the role of law in American society and how courts and the people affiliated with courts both implement and make public policy. Distribution: GE: Social Sciences - Poli Sci | Level II Writing (W2) | Advanced. Prerequisite: POLS 111 OR POLS 120, and ENGL 103.

POLS 314 - GE: State and Local Government (3 credits)
This course is an introduction to state and local governmental institutions and processes, and the way they are interrelated with the federal system, with special emphasis on the contemporary needs of the local community. Distribution: GE: Social Sciences - Poli Sci | Advanced. Prerequisite: POLS111 OR POLS120 OR POLS222.

POLS 315 - Legal Research (3 credits)
This course introduces the primary skills necessary for legal research and writing. Emphasis will be placed on the essential steps necessary for proper legal research and on the use of various legal resources. Distribution: Advanced. Prerequisite: POLS101 OR POLS111 OR POLS120.

POLS 317 - Exploring Politics: Methods and Techniques (3 credits)
The course deals with the principles and assumptions of political inquiry, and specific techniques for analyzing political data. Emphasis is placed on empirical techniques. It teaches students how to utilize the research products of political inquiry. Research projects are based on each student’s specific area of interest. Political Science majors only.
POLS 322 - GE: International Relations (3 credits)
This course examines the major theories, processes, and units that comprise the study of politics and the international system. Areas of particular emphasis include sovereignty, nationalism, and warfare.
Distribution: GE: Social Sciences - Poli Sci | Level II Writing (W2) | Advanced. Prerequisite: POLS111 OR POLS120.

POLS 325 - Racial & Ethnic Politics (3 credits)
This course on racial and ethnic minorities in American politics will examine the effects of discriminatory practices and efforts to achieve civic equality for ethnic and racial minorities in the United States since its founding. The course will explore the experiences of African Americans, Asian Americans, Hispanic Americans, and Native Americans as citizens, activists, leaders and policymakers in the context of the discriminatory practices in law and customs.
Distribution: Advanced. Prerequisite: POLS111 OR POLS120.

POLS 330 - Political Communication (3 credits)
This course is designed to introduce students to the theories, issues and methodological approaches to the study of political communication. Students examine political communication as a discursive process, primarily aimed at winning elections.
Distribution: Advanced. Prerequisite: POLS120.

POLS 332 - GE: Comparative European Government (3 credits)
This course is a study of major types of government with emphasis on European democracies; comparison is used as a detector of problems and as a method for developing better solutions; differences in character, traditions, and conditions are examined to develop an understanding of problems facing people of the respective countries.
Distribution: GE: Social Sciences - Poli Sci | Level III Writing (W3) | Advanced. Prerequisite: POLS111 OR POLS120 OR POLS223 OR POLS231.

POLS 333 - GE: Africa (3 credits)
This course aims at a general understanding of the main historical and political developments that led to independence. Emphasis will be on the growth of nationalism, the end of colonialism, and the search for African identity, unity, and development. This course is also listed as HIST 333.
Distribution: GE: Social Sciences - Poli Sci; Advanced. Prerequisite: POLS111 OR POLS120 OR POLS223 OR POLS231.

POLS 343 - The Middle East (3 credits)
This course surveys the history and politics of the Middle East, background studies in the revolutionary nationalism of the modern period, analyses of contemporary problems and events, and proxoges within the framework of international diplomacy.
This course is also listed as HIST 343.
Distribution: Advanced. Prerequisite: POLS111 OR POLS120 OR POLS222 OR POLS223 OR POLS231.

POLS 352 - GE: History of Political Theory (3 credits)
This course traces the evolution of major political concepts in Western Civilization from the ancient Greeks to the 17th century. The focus is on the origins of democracy and authoritarianism.
Distribution: GE: Social Sciences - Poli Sci; Advanced. Prerequisite: POLS111 OR POLS120 OR POLS222.

353 - GE: Issues in Comparative Politics and Public Administration (3 credits)
This course examines major issues in the contemporary research of comparative politics and public administration. It focuses on theory formulations and adopts the electoral system, voting behavior, party system and organization, executive leadership, bureaucracy, political management of national markets, and democratization.

POLS 355 - China: History & Politics (3 credits)
This course examines the evolution of major political concepts in Western Civilization from the ancient Greeks to the 17th century. The focus is on the origins of democracy and authoritarianism.
Distribution: Advanced.

POLS 363 - GE: Latin America (3 credits)
This course is a study of the development of the Latin American republics since independence and an examination of their present-day social, economic, and political problems as well as their role with the United States. This course is also listed as HIST 363
Distribution: GE: Social Sciences - Poli Sci; Advanced. Prerequisite: POLS111 OR POLS120 OR POLS223 OR POLS231.

POLS 399 - European Union Studies (3 credits)
This course teaches students about the world’s largest free trade area, and the most successful regional integration project in history, utilizing a participatory learning approach. Students study research policy, institutions, negotiation strategy and diplomacy, before applying acquired knowledge in simulations.
Distribution: Advanced. Prerequisite: POLS 111 OR POLS 120 AND POLS 231 OR POLS 332.

POLS 413 - American Constitutional Law (3 credits)
This course is a study of the context within which our Constitution emerged, the major themes implicit in its development, and its significance in the contemporary political setting. Attention is focused upon the interplay of political forces that have shaped the development of constitutional law with special emphasis upon the Supreme Court as a political and judicial institution.
Distribution: Advanced. Prerequisite: POLS111 OR POLS120 OR POLS222.

POLS 414 - Constitutional Civil Liberties (3 credits)
This course is a study of the protection of civil liberties in the United States. The focus is on how the United States Supreme Court has decided cases involving, among other things, freedom of speech, freedom of religion, freedom of the press and individual privacy. The course is also an examination of how politics, history, personalities, governmental structures, and political theories affect the protection of individual rights.
Distribution: Advanced. Prerequisite: POLS111 OR POLS120 OR POLS313 OR POLS315 OR POLS413.

POLS 416 - Administrative Law (3 credits)
This course is a study of the law of public administration including administrative powers and limitations, adjudication and rule-making, discretion, checks on administrators, notice and hearing, administrative penalties, judicial control and administrative liability.
Distribution: Advanced. Prerequisite: POLS111 OR POLS120 OR POLS222 OR ECON111 OR ECON112.

POLS 420 - East Asia and Transpacific Relations (3 credits)
This course examines history, culture, political developments and institutions of East Asian countries with a focus on China and Japan. Students assess the public policies practiced by East Asian governments. They also study the international politics of East Asia with a major attention to the role of the United States in East Asia.
Distribution: Advanced. Prerequisite: POLS 111 or POLS 101, and POLS 120, and 90 credits.

POLS 429 - Introduction to International Political Economy (3 credits)
International political economy (IPE) is concerned with the mutual interactions of political decisions and economic transactions, the so-called market place, in the modern world. This course provides an overview of how political, social, and economic actors and events, domestic and
international, public as well as private, shape policies and economic developments.
Distribution: Advanced. Prerequisite: POLS111 OR POLS120 AND POLS322 OR POLS332 OR POLS333.

POLS 435 - The Presidency (3 credits)
This course is an analysis of the presidency, its nature and growth of the office, and the politics and problems of seeking the office of the presidency. It includes a functional analysis of the President’s roles as chief executive, party leader, and legislative leader in the international political system.
Distribution: Advanced. Prerequisite: POLS111 OR POLS120 OR POLS222.

POLS 436 - Introduction to the Politics of Globalization and Trade (3 credits)
The focus in the course is on the controversy surrounding, political implication of, and policies affecting, globalization and international trade. Political theories and methods are used to explain civic engagement, global integration, protest movements, job creation from trade, international trade policies, and trade agreements. Topics covered include identity and cross-national interactions, the pace and manifestation of globalization, civil society organizations, sustainability, perceptions of trade, trade negotiations, and trade agreements.
Distribution: Advanced (ADV/D). Prerequisite: Either POLS 111 or POLS 117. One of ECON 111, 112 or 313. One of POLS 223, 322, 333, 343, 355, 363 or 399.

POLS 438 - United States Foreign Policy (3 credits)
This course examines the constitutional basis of U.S. foreign affairs: foreign policy, separation of powers, the mechanics of foreign relations, significant principles, tenets and trends as revealed in United States diplomatic history, treaties and executive agreement, traditional and new diplomatic practice, foreign policy and international organization, and the extent of democratic control of foreign affairs.
Distribution: Advanced.

POLS 441 - Introduction to International Security (3 credits)
This course introduces students to traditional and new security challenges facing countries and peoples in the twenty-first century.
Distribution: Advanced. Prerequisite: POLS111 OR POLS101 AND POLS120.

POLS 445 - International Law and Organization (3 credits)
This course introduces students to the historic development and current state of the law of nations, key cases are studied to illustrate rules. Certain international institutions are also surveyed, focusing on their independent powers and how they affect state interactions.
Distribution: Advanced. Prerequisite: POLS101 AND POLS111 AND POLS120.

POLS 450 - Campaigns and Elections (3 credits)
This course is designed to introduce students to the rules, resources, strategies, and structures of American campaigns and elections. The course will examine how political campaigns target specific groups to get their desired outcome.
Distribution: Advanced. Prerequisite: POLS 111.

POLS 452 - American Political Ideas (3 credits)
The course will examine and analyze the theoretical foundations and evolution of the American political tradition from the colonial, revolutionary and constitutional periods to the end of the 20th century. Students will read and discuss the writings and thinking of political leaders and important commentators on American politics.
Distribution: Advanced.

POLS 453 - Modern Western Political Theory (3 credits)
This course examines the origins and development of the major intellectual traditions of the Western world and their role in shaping the course of history. Emphasis is placed on the scientific and intellectual revolutions of the 17th and 18th centuries and the rise of ideologies in the 19th and 20th centuries.
Distribution: Advanced. Prerequisite: POLS111 OR POLS120 OR POLS222.

POLS 454 - Legislative Process (3 credits)
This course concentrates on the United States Congress: its role in the evolution of the American political process, the internal workings of the Congress, and environment in which Congress functions, and an assessment of Congressional effectiveness.
Distribution: Advanced. Prerequisite: POLS 111, POLS 120 or POLS 222.

POLS 462 - Political Behavior (3 credits)
This course examines citizen behavior in the American polity. Voting behavior, political activism, and partisanship are examined within the framework of socialization theory, stratification theory, and the psychology of politics.
Distribution: Advanced. Prerequisite: POLS111 OR POLS120 OR POLS222.

POLS 466 - Public Budgeting & Finance (3 credits)
This course treats the budget as a policy instrument that sets priorities for government. Students study the politics of the budget process as well as its procedures. Attention is also given to fiscal and monetary policies and to using computer simulations in budgeting.
Distribution: Advanced.

POLS 467 - Political Behavior (3 credits)
Public Policy Analysis is designed to acquaint students with the background, content, purposes, and impacts of public policy decisions. It introduces the qualitative and quantitative techniques that are used to analyze these governmental outputs. Students in the class will be taught to use computerized statistical packages to analyze data relating to one specific policy area.
Distribution: Advanced. Prerequisite: POLS111 OR POLS120 OR POLS293.

POLS 470 - Contemporary Europe I (3 credits)
Public Policy Analysis is designed to acquaint students with the background, content, purposes, and impacts of public policy decisions. It introduces the qualitative and quantitative techniques that are used to analyze these governmental outputs. Students in the class will be taught to use computerized statistical packages to analyze data relating to one specific policy area.
Distribution: Advanced.

POLS 471 - Contemporary Europe II (3 credits)
Public Policy Analysis is designed to acquaint students with the background, content, purposes, and impacts of public policy decisions. It introduces the qualitative and quantitative techniques that are used to analyze these governmental outputs. Students in the class will be taught to use computerized statistical packages to analyze data relating to one specific policy area.
Distribution: Advanced.

POLS 485 - IS: (1 - 3 credits)
A student wishing to take independent study should discuss the plan with a member of the department. If the faculty member agrees to sponsor the project, the proposal should be submitted to the chair of the department.
The chair, after approving the independent study project, shall bring it to a departmental meeting for confirmation. The dean of the college gives final approval after receiving the minutes of the departmental meetings which identify the students who were approved by the department to do independent study. Distribution: Advanced.

**POLS 486 - Field Experiences and Internships (1 - 12 credits)**
The course is designed to provide the student with practical experience in a governmental agency or other organization with local, state, or national/international governmental or political concerns. Distribution: Advanced. Prerequisite: POLS111 AND POLS120.

**POLS 487 - Problems and Projects in Political Science (3 credits)**
Investigation of a specific problem or project in Political Science that requires individualized study and treatment. The process includes compilation of data relevant to the topic. The student will report his/her findings to the instructor who supervises the project. The student is expected to write a formal report that deals with the subject comprehensively and offers conclusions. Periodic conferences are arranged. Distribution: Advanced.

**POLS 495 - Seminar (3 credits)**
This course examines major theories and problems in the study of politics. A paper will also be written on the basis of independent political research. Distribution: Advanced | Level III Writing (W3). Prerequisite: POLS111 or POLS 120, ENGL 103; POLS 317 is highly recommended.

---

**Professional and Secondary Education**

**College of Education**
Stroud Hall Room 209
570-422-3363; 570-422-3356
www.esu.edu/psed

Professional and Secondary Education offers candidates the opportunity to pursue a bachelor of science or bachelor of arts degree (varies by major) in a specific discipline leading to eligibility to apply for teacher certification in the areas of: English, French, Spanish, German (certificate only), Mathematics, Biology, Chemistry, Earth and Space Science, General Science, Physics, or Social Studies.

The curriculum is designed to develop a community of learners who are competent and reflective professionals able to teach any child in any setting. The courses and extensive field-based component develops beginning educators’ knowledge, skills, and dispositions relevant to content, the learner and the learning environment, the teaching and learning process, and professionalism.

A personalized program will be developed for all students as they work with two advisers, one in education and one in the academic discipline they plan to teach. Students who complete the required courses in one of the certification areas, the professional education courses, the university requirements, and the state requirements will be eligible to apply for certification to teach in their major discipline in grades 7-12 within the Commonwealth of Pennsylvania.

ALL teacher education students should be in frequent consultation with their academic advisers to make sure they are meeting the appropriate program and certification requirements which will vary depending on a variety of circumstances.

The programs for certification in secondary education are planned and supervised by the Department of Professional and Secondary Education and by the department responsible for the academic major. Students must achieve and maintain the minimum requirements for admission to and retention in the certification programs as specified by the departments and the Teacher Education Council. Specific degree requirements are listed in the academic subject areas.

**Certification areas:**
- Biology
- Chemistry
- Earth and Space Science
- English
- French
- General Science
- German (certificate only)
- Mathematics
- Physics
- Social Studies
- Spanish

**Dual Certification**
Consult with your advisers if you are interested in obtaining dual certification (certification in any two of the above areas).

**PSED and SPED Certification**
Students who are getting certified in any 7-12 academic content area listed above, can also be certified in SPED 7-12 by taking the additional courses: SPED 105, 201, 214, 215, 313, 314, and 351. Students should work with their PSED, SPED and content area adviser to move through the program efficiently.

**Teacher Education Program Requirements**
The Commonwealth of Pennsylvania has established requirements for all candidates in teacher preparation programs. Students are required to have a minimum 3.0 QPA, pass the basic academic skills assessments as defined by PDE, and complete 6 credits of Mathematics and 6 credits of English (English composition and literature) for admission into the initial teacher certification program. A 3.0 QPA is required for Pennsylvania teacher certification. Please refer to the section The College of Education (p. 57) in this catalog for specific requirements for admission into teacher education.

---

**Secondary Education Certification Preparation**

**4 YEAR CURRICULUM PROGRAM PLAN**

<table>
<thead>
<tr>
<th>Suggested sequence of required courses:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First year:</strong></td>
</tr>
<tr>
<td>PSED 161</td>
</tr>
<tr>
<td>SPED 102</td>
</tr>
<tr>
<td><strong>Sophomore year:</strong></td>
</tr>
<tr>
<td>PSED 250</td>
</tr>
<tr>
<td><strong>Junior year:</strong></td>
</tr>
<tr>
<td>SPED 350</td>
</tr>
<tr>
<td>REED 350</td>
</tr>
<tr>
<td>PSED 420</td>
</tr>
<tr>
<td>PSED 420</td>
</tr>
</tbody>
</table>

---

*Note: Course titles and credits are subject to change.*
and one content methods course from the list below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSED 406</td>
<td>Teaching of English in the Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>PSED 416</td>
<td>Teaching of Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>PSED 436</td>
<td>Teaching of Mathematics in the Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>PSED 446</td>
<td>Teaching of Science in the Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>PSED 458</td>
<td>Teaching of Social Studies in the Secondary Schools</td>
<td>3</td>
</tr>
</tbody>
</table>

**Senior year**

**First semester:**
- PSED 421 Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom (3 credits)
- PSED 421: (2.8 QPA and department screening required)

**Second semester:**
- PSED 430 Student Teaching in Secondary Education/ Middle School/Junior High School (6 credits)
- PSED 431 Student Teaching in Secondary Education/ Senior High School (6 credits)
- XXX 499 Student Teaching Internship

Student Teaching Internship: (This course must be taken while student teaching). It is taken with the appropriate rubric related to the content area of the certification program: BIOL, CHEM, MATH, PHYS, FLNG, ENGL, HIST.

**Professional and Secondary Education Faculty**

**Professor:**
Beth R. Sockman, Chair (bsockman@esu.edu)

**Assistant Professor:**
Mary (Liz) Azukas, Graduate Coordinator (mazukas@esu.edu)

**Assistant Professor:**
Donna-Marie T. Cole-Malott (dcolemalot@esu.edu)
Diane Holben, Doctoral Coordinator(dholben1@esu.edu)

**PSED - Prof and Secondary Education Courses**

**PSED 150 - Introduction to Teaching All Students (6 credits)**
This course provides opportunities for candidates to explore the various teaching positions at all levels, birth to 21, and examine carefully the role of the twenty-first-century teacher. In light of the history of the profession, all candidates will reflect on their attitudes, knowledge base, and skills to determine whether the challenges of teaching are compatible with their goals and strengths. A 20-hour field experience is required.

**PSED 161 - Foundations of Education (3 credits)**
This course presents education as a unique field of academic study and also as a professional vocation with varied career opportunities. Consideration is given to the American educational enterprise in terms of the social, historical, and philosophical context, with the persistent issues being treated as they relate to the contemporary scene.

**PSED 242 - Educational Psychology (3 credits)**
This course is a study of the nature of the learning process, particularly in the areas of growth and development, attitudes and values, personality perception, motivation and cognition, diagnoses of pupil progress through the use of measurement and evaluation, and development of the abilities to obtain, use, and evaluate research in the areas of psychology and education. A 10-hour tutoring experience is required. Prerequisite: PSED161.

**PSED 244 - Adolescent Psychology (3 credits)**
This course examines cognitive, social, and personality development in adolescence, the biological, environmental, and cultural factors which contribute to adolescent behavior, and problems in adolescence: identity, vocation, education, the family, the peer group, and delinquent behavior.

**PSED 245 - Development and Education (3 credits)**
This course is a study of the nature of the learning process, particularly in the areas of growth and development, attitudes and values, personality perception, motivation and cognition, diagnoses of pupil progress through the use of measurement and evaluation, and development of the abilities to obtain, use, and evaluate research in the areas of psychology and education. A 10-hour tutoring experience is required. Prerequisite: PSED161.

**PSED 250 - The Psychology of Learners In Diverse Communities (3 credits)**
This course examines the way all candidates develop and learn and how social, cultural, and environmental elements affect learning and how teachers can motivate and engage all learners. A significant portion of the course will be devoted to ways that teachers can establish inclusive, equitable learning environments. A 15-hour field experience is required. Prerequisite: 24 credits and PSED150.

**PSED 290 - Special Topics: ((Semester hours arranged))**
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

**PSED 332 - Measurement and Evaluation of Education (3 credits)**
This course deals with problems in the construction, use, and interpretation of test items, the development of objective standardized tests of achievement, aptitude, and personality, the development of norms, and the problems of validity and reliability. Distribution: Advanced. Prerequisite: PSED242.

**PSED 346 - Middle School Organization (3 credits)**
This course is an introduction to the educational ideas, concepts, and possibilities inherent in both the junior high and the middle school. A thorough study of the organization and operation of each type of school is the major concept of the course.

**PSED 360 - Student Teaching (5-6 credits)**
This course includes two placements for student teaching, one at the elementary level (PK-6), and the other at the secondary level (7-12). This course is guided by the collaborative efforts of a university supervisor, a department content specialist, and two different cooperating teachers. Prerequisite: Admission into HP-CTPE; C or better in all PETE, EXSC, PSED, and HLTH courses required for dual major.

**PSED 405 - Classroom Management and Discipline (3 credits)**
The course will emphasize classroom management from the viewpoint of effective teaching. Specific discipline models will be analyzed and evaluated. Students will assess their philosophies in regard to classroom management practices and discipline models. Distribution: Advanced. Prerequisite: PSED161 AND PSED242.

**PSED 440 - Teaching of English in the Secondary Schools (3 credits)**
This course deals with teaching methods and techniques and the organization and presentation of material through the various media of communication by planning units, evaluating instruction, collecting materials and observing teaching. Distribution: Advanced. Prerequisite: PSED161 AND PSED242.

**PSED 446 - Teaching of Science in the Secondary Schools (3 credits)**
This course will briefly survey the history of the teaching of writing in American secondary and middle schools, intensively review writing theory and practice, consider the implications of writing process theory and research for classroom practice. Also listed as ENGL 412. Distribution: Advanced.

**PSED 412 - Teaching Writing in the Secondary and Middle Schools (3 credits)**
This course will briefly survey the history of the teaching of writing in American secondary and middle schools, intensively review writing theory and research of the past two decades, and critically consider the implications of writing process theory and research for classroom practice. Also listed as ENGL 412. Distribution: Advanced.

**PSED 416 - Teaching of Foreign Language (3 credits)**
This course is designed for persons who wish to teach foreign languages in the schools, grades K-12. Students are provided a theoretical foundation for teaching techniques and opportunities are provided for
lesson presentation, preparation of teaching materials, planning units, evaluating instruction, and observing teaching. Distribution: Advanced. Prerequisite: PSED161 AND PSED242 AND FLSP315 OR FLFR315.

PSED 420 - Seminar in Secondary Education I: Instructional Structures and Strategies (3 credits)
The seminar includes the study and application of lesson planning, teaching strategies and styles, assessment, and questioning skills. Seminar I includes a required field experience of 30 hours. Students must sign up one semester in advance. Distribution: Required | Information Literacy/Technology (I).

PSED 441 - Introduction to Schools without Failure (3 credits)
This course is part of a guided teaching experience in the secondary schools which typically consists of PSED 430 and 431 for a full semester. This field experience is designed to provide the opportunity to demonstrate the competencies and understandings of the teaching/learning process in the senior high school. Prerequisites: 1) students must meet all requirements described under the Student Teaching section, 2) students must have approval of the adviser and department chair in the major field, 3) students must have the approval of the Department of Professional and Secondary Education, and, 4) students must have completed at least 24 semester hours of credit in the major field. Distribution: Advanced. Prerequisite: PSED161 AND PSED424.

PSED 444 - Theory and Practice of Schools without Failure II (3 credits)
Educators will gain experience in conducting diagnostic class meetings and in providing the educational climate necessary for self-discipline. Curriculum planning related to self-directed learning will be explored. Recent advancements in brain research, psychology, and learning theory will be presented. Since this course is also offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: PSED161 AND PSED424.

PSED 445 - Planning For Change (3 credits)
The goals of quality education will be analyzed as a basis for curriculum change. The relationship between affective education and cognition will be reviewed, and assessment statements will be produced through a group process. Systems for change will be developed. Since this course is also offered for graduate credit, a differentiation of requirements will be made. Distribution: Advanced. Prerequisite: PSED161 AND PSED242.
PSED 446 - Teaching of Science in the Secondary Schools (3 credits)
This course examines those aspects of teaching that are peculiar to the secondary science classroom, including science safety, avenues for obtaining science education resources, science-specific standards and guidelines, the nature, context and concepts of science and pedagogical methods of supporting science instruction. This course will require a field experience of 10 hours in a secondary setting. Distribution: Advanced. Prerequisite: PSED420 and at least 3 credits of 300-level work in the content area or permission of the instructor.

PSED 447 - Success-Oriented Reading: Whole Language Development (3 credits)
This course focuses on whole language development, integrating the teaching and learning of reading and writing, and increasing the use of literature in early reading programs. The course emphasis is on comprehension strategies, high quality reading materials, independent reading and opportunities for combining reading and writing activities. Distribution: Advanced. Prerequisite: PSED161 AND PSED242.

PSED 448 - Reality Therapy in the Classroom (3 credits)
This workshop is designed as an advanced course for educators who desire to become increasingly proficient in the use of Reality Therapy in the classroom. It assumes an understanding of the philosophy and basic steps of Reality Therapy and some experience in trying to use it in the schools. Emphasis will be placed on acquiring additional skill in the implementation of the Reality Therapy approach in the educational environment. Since this course is also offered for graduate credit, a differentiation in requirements will be made. Distribution: Advanced. Prerequisite: PSED242 AND PSED441 AND PSED442.

PSED 449 - Reducing Classroom Conflict (3 credits)
This workshop is designed to provide participants with skills in developing pathways to build strength and success in themselves and their students. It focuses on specific classroom activities that will help develop a climate for effective self-discipline and positive classroom interaction. Since this course is also offered for graduate credit, a differentiation in requirements will be made. Distribution: Advanced. Prerequisite: PSED242 AND PSED442.

PSED 452 - Mainstreaming (3 credits)
This workshop is designed as an advanced course for educators who desire to become increasingly proficient in the use of Reality Therapy in the classroom. It assumes an understanding of the philosophy and basic steps of Reality Therapy and some experience in trying to use it in the schools. Emphasis will be placed on acquiring additional skill in the implementation of the Reality Therapy approach in the educational environment. Since this course is also offered for graduate credit, a differentiation in requirements will be made. Distribution: Advanced. Prerequisite: PSED242 AND PSED442.

PSED 453 - Teaching & Motivating (3 credits)
The course provides educators with the theory and skills to motivate students to learn and to accelerate their academic achievement. Brain function and dominance will be reviewed in light of how these processes result in different student learning styles. Participants will build teaching strategies to deal with varied learning styles. Distribution: Advanced. Prerequisite: PSED242 AND ELED232.

PSED 456 - Cooperative Learning (3 credits)
The course is designed to provide skills to implement learning teams in the classroom. The course content develops a basic understanding of control theory as it applies to co-operative learning. Class experiences produce new teaching plans based on control theory and demonstrate that learning teams can provide top achievement and methodology for critical thinking and problem solving. Distribution: Advanced.

PSED 457 - Reducing Stress in the Classroom (3 credits)
This course explores ways to manage stress, establish realistic goals, and develop relaxation techniques so that stress is minimized in creative thinking and effective classroom management. The course will identify symptoms of job stress and worker burnout in the educational setting and present ways to effectively manage stress, establish realistic goals, and understand effective teaching styles. Distribution: Advanced.

PSED 458 - Teaching of Social Studies in the Secondary Schools (3 credits)
This course deals with the analysis and evaluation of current trends in curriculum, teaching methods, techniques, resources, and materials in teaching social studies in secondary schools. Stress is placed on new developments in the field and on experience in applying concepts and methods learned. Distribution: Advanced. Prerequisite: PSED161 AND PSED242.

PSED 459 - Enhancing Self-Esteem (3 credits)
This course will introduce educators to elements of self-esteem and how these elements can be used to establish an atmosphere where high self-esteem and motivation can flourish. This course takes a theory of self-esteem and translates it into practice. It also emphasizes basic human relations and interpersonal skills necessary to create a classroom environment conducive to the teaching/learning process. Distribution: Advanced.

PSED 472 - Seminar in Secondary Education III (1 credits)
This course is designed to provide teacher education certification candidates with the opportunity to design and conduct an action research project or an appropriate alternative research activity to enhance the required field experience in PSED 421. This experience will provide students with the opportunity to select an appropriate research model and design a research project that will enhance pedagogical practice. Distribution: Advanced. Prerequisite: PSED421.

PSED 476 - Teaching of Communications in the Secondary Schools (3 credits)
Teaching of Communications deals with presentation of methods and materials for the planning, teaching, and evaluating of learning activities in the cognitive, affective, and psychomotor realms of communication behavior, and observation of teaching in the secondary schools. Distribution: Advanced. Prerequisite: PSED161, PSED 242.

PSED 485 - IS: (3 credits)
This course is designed to provide teacher education certification candidates with the opportunity to design and conduct an action research project or an appropriate alternative research activity to enhance the required field experience in PSED 421. This experience will provide students with the opportunity to select an appropriate research model and design a research project that will enhance pedagogical practice. Distribution: Advanced.

PSED 495 - Seminar Secondary Educ (3 credits)
This course is designed to provide teacher education certification candidates with the opportunity to design and conduct an action research project or an appropriate alternative research activity to enhance the required field experience in PSED 421. This experience will provide students with the opportunity to select an appropriate research model and design a research project that will enhance pedagogical practice. Distribution: Advanced.
Psychology

College of Arts and Sciences
The Faculty of Science
Stroud Hall, Room 114A
570-422-3355
www.esu.edu/psy

About the Programs
ESU offers a Bachelor of Science in Psychology degree.

The Bachelor of Science program offers three concentrations:
- The Counseling concentration prepares students for occupations in the human services field and for graduate study in counseling psychology and related fields.
- The Research concentration allows students to focus on the methods of the discipline, preparing for careers in behavioral research conducted by universities, businesses and government.
- The Applied concentration is flexible, to enable students to either focus on a specific area within applied psychology or explore a broader base. Diverse topics include forensic, industrial/organizational and sports psychology.

Are you interested in...
- Problem-solving
- The mind and behavior
- Helping people

Choose Psychology at ESU
- Small advanced class sizes
- Practical field experiences
- Qualified, experienced faculty

Is Psychology a career path for me?

Career Potential
- Counseling
- Behavioral research
- Graduate school preparation

Career Settings
- Government
- Health care
- Business/Industry
- Education

More detailed career information is available from the department.

Psychology Department Objectives
The objectives of the Department of Psychology are to enrich your understanding of the behavior of humans and other animals; to have you adopt a rational, objective, experiential understanding of behavioral and psychological processes; and to develop the critical thinking abilities that will permit you to distinguish between scientific and nonscientific explanations of behavior. The department adopts a biopsychosocial view, one that explains behavior as a function of both organismic and environmental conditions. You will be introduced to the current body of knowledge in psychology: its data, methods, and theoretical formulations in the principle fields.

Student Organizations

Psychology Association
An organization for students who have a special interest in the fields of psychology, the association gives students the opportunity to broaden their educational experience in psychology through individual and group research and field trips. All students enrolled in a psychology curriculum or concentration, as well as other interested students, are invited to join.

Psi Chi National Honor Society
This national organization encourages, stimulates and maintains excellence in scholarship and advances the science of psychology. Membership is open to students making the study of psychology one of their major interests and who meet minimum qualifications. Membership is by invitation and based on a preliminary review of academic records. Applicants are encouraged to attend ESU chapter meetings and participate in outside activities. Near the end of each semester, applications and participation are reviewed and current members vote on the applicants.

Psychology B.S.

Concentration: Applied Psychology
A Bachelor of Science in Psychology with an Applied Concentration is intentionally designed to be flexible to enable students working with their advisers to either focus on a specific area within applied psychology or explore a broad base in psychology.

In addition to providing a strong foundation, the Applied Concentration permits students to explore or specialize in diverse topics including forensic, industrial/organizational, and sports psychology. This concentration is well suited for students who have a dual major.

PROGRAM FEATURES

40-43 credits

Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 201</td>
<td>Quantitative Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 202</td>
<td>Experimental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 341</td>
<td>Measurement and Evaluation in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 321</td>
<td>Theories Of Personality</td>
<td>3</td>
</tr>
</tbody>
</table>

and any three additional non-general education psychology courses except:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 105</td>
<td>GN: Infant and Early Childhood Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 220</td>
<td>GN: Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 222</td>
<td>GN: Psychology of Adjustment</td>
<td>3</td>
</tr>
<tr>
<td>PSY 225</td>
<td>GN: Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from each of the two groups:

Biological based:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 301</td>
<td>Sensation Perception</td>
<td>3</td>
</tr>
<tr>
<td>PSY 311</td>
<td>Physiological Psych</td>
<td>4</td>
</tr>
<tr>
<td>PSY 312</td>
<td>Clinical Psychopharmacology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 326</td>
<td>Health Psychology and Behavioral Medicine</td>
<td>3</td>
</tr>
</tbody>
</table>

Socio-cultural:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 292</td>
<td>Psychology Of Women</td>
<td>3</td>
</tr>
<tr>
<td>PSY 294</td>
<td>Psychology of Minority Groups</td>
<td>3</td>
</tr>
<tr>
<td>PSY 305</td>
<td>Cross-Cultural Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 306</td>
<td>Cross-Cultural Counseling</td>
<td>3</td>
</tr>
<tr>
<td>PSY 320</td>
<td>Social Psychology: Theories, Research and Application</td>
<td>3</td>
</tr>
</tbody>
</table>

Required integrative course:

Select nine credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 401</td>
<td>History Of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 409</td>
<td>Research In Psychology</td>
<td>1-3</td>
</tr>
<tr>
<td>PSY 410</td>
<td>Perspectives in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 461</td>
<td>Tests And Measures</td>
<td>3</td>
</tr>
<tr>
<td>PSY 452</td>
<td>Group Processes in Counseling</td>
<td>3</td>
</tr>
</tbody>
</table>
### 4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

#### Freshman Year Fall
- **PSY 100**  General Psychology  3
- **ENGL 103**  English Composition  3
- **FYE 100**  University Studies  3
- **HPLW 105**  Health Promotion and Lifetime Wellness  3
- **GenEd**  General Education Elective  3

**Subtotal: 15**

#### Spring
- **PSY 201**  Quantitative Psychology  3
- **PSY 321**  Theories Of Personality  3
- **GenEd**  General Education Elective  3
- **GenEd**  General Education Elective  3
- **GenEd**  General Education Elective  3

**Subtotal: 15**

#### Sophomore Year Fall
- **PSY 341**  Measurement and Evaluation in Psychology  3
- **PSY**  Psychology Elective  3
- **GenEd**  General Education Elective  3
- **GenEd**  General Education Elective  3
- **GenEd**  General Education Elective  3

**Subtotal: 15**

#### Spring
- **PSY 202**  Experimental Psychology  3
- **PSY**  Psychology Elective  3
- **GenEd**  General Education Elective  3
- **GenEd**  General Education Elective  3
- **GenEd**  General Education Elective  3

**Subtotal: 15**

#### Junior Year Fall
- **PSY**  Psychology - Biological Based  3-4
- **PSY**  Psychology Elective  3
- **GenEd**  General Education Elective  3
- **GenEd**  General Education Elective  3
- **GenEd**  General Education Elective  3

**Subtotal: 15-16**

#### Senior Year Fall
- **PSY 410**  Perspectives in Psychology  3
- **PSY**  Psychology Elective  3
- **PSY**  Psychology Elective  3
- **PSY**  Psychology Elective  3
- **PSY**  Psychology Elective  3

**Subtotal: 15**

### Psychology B.S. - Concentration: Counseling

A Bachelor of Science in Psychology with a Counseling Concentration prepares students for occupations in the human services field and for graduate study in counseling psychology and related fields. The unique skill set developed is an excellent preparation for graduate school and for entry level careers in government agencies, private and public healthcare settings, business and industry, and educational settings.

A wide variety of career opportunities are available under the direct supervision of licensed professionals such as psychologists, psychiatrists, professional counselors, and marriage and family therapists.

#### PROGRAM FEATURES

40-42 credits

**Required courses:**
- **PSY 100**  GN: General Psychology  3
- **PSY 201**  Quantitative Psychology  3
- **PSY 202**  Experimental Psychology  3
- **PSY 341**  Measurement and Evaluation in Psychology  3
- **PSY 321**  Theories Of Personality  3
- **PSY 351**  Abnormal Psychology  3
- **PSY 451**  Introduction to Counseling  3

and any one additional non-general education psychology course

Non-general education Psychology course: any three except PSY 105, PSY 220, PSY 222, PSY 225.

**Select one course from each of the two groups:**

#### Biological based:
- **PSY 301**  Sensation Perception  3
- **PSY 311**  Physiological Psych  4
- **PSY 312**  Clinical Psychopharmacology  3
- **PSY 326**  Health Psychology and Behavioral Medicine  3

#### Socio-cultural:
- **PSY 292**  Psychology Of Women  3
- **PSY 294**  Psychology of Minority Groups  3
- **PSY 305**  Cross-Cultural Psychology  3
- **PSY 306**  Cross-Cultural Counseling  3
- **PSY 320**  Social Psychology: Theories, Research and Application  3

**Required integrative course:**
- **PSY 461**  Tests And Measures  3
- **PSY 452**  Group Processes in Counseling  3
- **PSY 484**  Mental Health Practice  3

Each course within the major can only be counted for one requirement.

### Additional Requirements:
- All of the 300 and 400 level Psychology courses required for this program must be taken at East Stroudsburg University. No more than 15 credits in the major will be accepted for transfer.
- All required courses must be passed with a “C” or higher.
- Please read university requirements found in this catalog.

### Additional requirements:
- All of the 300 and 400 level Psychology courses required for this program must be taken at East Stroudsburg University. No more than 15 credits in the major will be accepted for transfer.
- All required courses must be passed with a “C” or higher.
- Please read university requirements found in this catalog.
### 4 YEAR CURRICULUM PROGRAM PLAN: COUNSELING CONCENTRATION

(Subject to change by the university without notice)

#### Freshman Year Fall
- **PSY 100** GN: General Psychology 3
- **ENGL 103** English Composition 3
- **FYE 100** University Studies 3
- **HPLW 105** Health Promotion and Lifetime Wellness 3
- GenEd ___ General Education Elective 3

Subtotal: 15

#### Sophomore Year Fall
- **PSY 341** Measurement and Evaluation in Psychology 3
- **PSY 351** Abnormal Psychology 3
- GenEd ___ General Education Elective 3
- GenEd ___ General Education Elective 3
- GenEd ___ General Education Elective 3

Subtotal: 15

#### Junior Year Fall
- **PSY 451** Introduction to Counseling 3
- PSY ___ Psychology - Biological Based 3-4
- XXXX ___ Psychology or Upper-Division Elective 3
- GenEd ___ General Education Elective 3
- GenEd ___ General Education Elective 3

Subtotal: 15-16

#### Senior Year Fall
- **PSY 461** Tests And Measures 3
- XXXX ___ Psychology or Upper-Division Elective 3
- XXXX ___ Psychology or Upper-Division Elective 3
- XXXX ___ Psychology or Upper-Division Elective 3
- XXXX ___ Psychology or Upper-Division Elective 3

Subtotal: 15

### Psychology B.S. - Concentration: Research

A Bachelor of Science in Psychology with a Research Concentration allows students to focus on the scientific theories and methods of psychology. The Research Concentration enables students to prepare for graduate school and careers in psychological research conducted by universities, businesses, and government. Students work with their advisers when deciding which courses best meet their educational and professional goals.

The department will accept a maximum of 15 transfer credits in the major only if the credits were earned within eight years prior to admission to ESU. No credits can be transferred into the major as equivalents of junior-senior level courses.

### PROGRAM FEATURES

40-43 credits

**Required courses:**

- PSY 100 GN: General Psychology 3
- PSY 201 Quantitative Psychology 3
- PSY 202 Experimental Psychology 3
- PSY 341 Measurement and Evaluation in Psychology 3
- PSY 321 Theories Of Personality 3

and any additional non-general education psychology course (any three except PSY 105, PSY 220, PSY 222, PSY 225).

**Biological based:**

Select two courses:

- PSY 301 Sensation Perception 3
- PSY 311 Physiological Psych 4
- PSY 312 Clinical Psychopharmacology 3
- PSY 326 Health Psychology and Behavioral Medicine 3

**Select one course from each of the following groups:**

**Socio-cultural:**

- PSY 292 Psychology Of Women 3
- PSY 294 Psychology of Minority Groups 3
- PSY 305 Cross-Cultural Psychology 3
- PSY 306 Cross-Cultural Counseling 3
- PSY 320 Social Psychology: Theories, Research and Application 3

**Lab course:**

- PSY 301 Sensation Perception 3
- PSY 304 Empirical Foundations of Learning 4
- PSY 311 Physiological Psych 4
- PSY 313 Comparative Psychology 4
- PSY 402 Cognitive Processes 3

**Required Integrative course:**

- PSY 401 History Of Psychology 3
- PSY 409 Research In Psychology 3
- PSY 410 Perspectives in Psychology 3

Each course within the major can only be counted for one requirement.

**Additional Requirements:**

- All of the 300 and 400 level Psychology courses required for this program must be taken at East Stroudsburg University. No more than 15 credits in the major will be accepted for transfer.
- All required courses must be passed with a "C" or higher.
- Please read university requirements found in this catalog.
# 4 YEAR CURRICULUM PROGRAM PLAN: RESEARCH CONCENTRATION

*(Subject to change by the university without notice)*

<table>
<thead>
<tr>
<th>Freshman Year Fall</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total:</strong> 15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year Fall</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 341</td>
<td>3</td>
</tr>
<tr>
<td>PSY</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total:</strong> 15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year Fall</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total:</strong> 15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year Fall</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 410</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>3</td>
</tr>
<tr>
<td>XXXX</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total:</strong> 15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 201</td>
<td>3</td>
</tr>
<tr>
<td>PSY 321</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total:</strong> 15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Psychology Minor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required courses -</td>
<td></td>
</tr>
<tr>
<td>PSY 100</td>
<td>3</td>
</tr>
<tr>
<td>PSY 321</td>
<td>3</td>
</tr>
<tr>
<td>PSY 222</td>
<td>3</td>
</tr>
<tr>
<td>PSY 311</td>
<td>4</td>
</tr>
<tr>
<td>PSY 402</td>
<td>3</td>
</tr>
<tr>
<td>PSY 220</td>
<td>3</td>
</tr>
<tr>
<td>PSY 225</td>
<td>3</td>
</tr>
<tr>
<td>PSY 271</td>
<td>3</td>
</tr>
<tr>
<td>PSY 291</td>
<td>3</td>
</tr>
<tr>
<td>PSY 294</td>
<td>3</td>
</tr>
<tr>
<td>PSY 320</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total:</strong> 18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Crisis Intervention Certificate</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Credits</td>
<td></td>
</tr>
<tr>
<td>SOSW 325</td>
<td>3</td>
</tr>
<tr>
<td>PSY 251</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>PSY 351</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>PSY 321</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>SOSW 371</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>PSY 451</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total:</strong> 12</td>
</tr>
</tbody>
</table>
Psychology Faculty

Professors:
Paul Bartoli (pbartoli@esu.edu)
Renee Boburka (rboburka@esu.edu)
Jyh-Hann (John) Chang (jchang@esu.edu)
Anthony Drago, Chair (adrago@esu.edu)
Sussie Eshun (seshun@esu.edu)
Bonnie Green (bgreen@esu.edu)

Associate Professor:
Irina Khusid (ikhusid@esu.edu)

Assistant Professor:
Deena Dailey (ddailey@esu.edu)

PSY - Psychology Courses

PSY 100 - GN: General Psychology (3 credits)
The course includes an introduction to the science of human behavior and mental life, a bio-social view of man and other animals, and a survey of its methods, theories, history, and knowledge of the role of organismic, environmental, and social factors in behavioral and psychological processes. Distribution: GE:Natural Sciences-Psychology; Advanced. Prerequisite: PSY100 or PSY101.

PSY 101 - GN: Introduction to Psychology (3 credits)
The course provides students with an understanding of contemporary psychological concepts, theories, methods, issues, and problems in the context of the classic questions of psychology. This course is designed primarily for students majoring in Psychology and closely related fields of study. Distribution: GE:Natural Sciences-Psychology; GN: Group B - Psychology (BPS).

PSY 105 - GN: Infant and Early Childhood Developmental Psychology (3 credits)
This class will introduce students to historical and contemporary theories and models in child developmental psychology. Central to this course will be the application of these theories to maximize healthy development in infants and children. Distribution: GE:Natural Sciences-Psychology; GN: Group B - Psychology (BPS).

PSY 201 - Quantitative Psychology (3 credits)
This course will cover standard quantitative methods in psychology used for understanding mental processes and behavior. This will include an introduction to research and measurement issues as they relate to psychology. Students will also learn how to select, calculate, and interpret appropriate descriptive and inferential statistics for the understanding of psychological phenomena. Prerequisite: PSY101 or PSY101.

PSY 202 - Experimental Psychology (3 credits)
This course is an introduction to the philosophy and research methods of behavioral science with particular emphasis upon the experimental method, experimental analysis, and research of traditional and contemporary issues. Distribution: Advanced; Level II Writing (W2); Information Literacy/Technology (I). Prerequisite: PSY100, PSY201 and ENGL103.

PSY 220 - GN: Social Psychology (3 credits)
This course provides an introductory survey of the field of social psychology. Group processes, interpersonal attraction, attitude theory, persuasion, prejudice, aggression, conflict, and helping behaviors are among the topics considered. Distribution: Advanced. Prerequisite: PSY100 or PSY101.
PSY 294 - Psychology of Minority Groups (3 credits)
A study of the historical, developmental, cultural, and environmental influences on the attitudes, behavior and psychological processes of major minority groups in America. Specific groups to be highlighted in this course include: Native Americans, African Americans, Asian Americans, Latin Americans, Women, and Individuals With Disabilities. Specific topics to be discussed are: sexual preferences, the nature of prejudice, discrimination, and oppression.
Distribution: Advanced. Prerequisite: PSY100 OR PSY101.

PSY 301 - Sensation Perception (3 credits)
This course is a study of the structure and function of receptor systems, their role in phenomenological experience and perception, and how such systems contribute to human's orientation in and knowledge of the environment.
Distribution: Advanced. Prerequisite: PSY100 or PSY101.

PSY 302 - Theories Of Learning (3 credits)
This course is a survey and critical analysis of theoretical formulations of learning processes, and their implications in child rearing, education and the mental health setting.
Distribution: Advanced. Prerequisite: PSY100 or PSY101.

PSY 304 - Empirical Foundations of Learning (4 credits)
The course offers an upper level analysis, discussion, and laboratory experiences concerning classical and contemporary issues and topics in learning and behavior control. Operant vs. respondent conditioning, biofeedback, verbal learning, motor skills learning, learning vs. performances, trial and error vs. insight, reinforcement vs. feedback, punishment and aversive control, memory, and knowledge are considered.
Distribution: Advanced. Prerequisite: PSY100 OR PSY101 AND PSY201.

PSY 305 - Cross-Cultural Psychology (3 credits)
This course focuses on cross-cultural applicability of psychological principles. Emphasis will be made on identifying similarities and differences in human behavior across cultures around the world. Approaches to cross-cultural research in psychology and psychological effects of acculturation, ethnocentrism, culture shock, and cultural-relativism will be explored.
Distribution: Advanced. Prerequisite: PSY100 OR PSY101.

PSY 306 - Cross-Cultural Counseling (3 credits)
This course will focus on the influences of culture on psychological problems and culturally specific counseling methods used to address the problems. Basic principles and techniques of cross-cultural counseling are covered. Students will then apply these principles in an international setting. Students will study major theories of cross-cultural psychology and consider the impact of culture on behavior.
Distribution: Advanced. Prerequisite: PSY100 OR PSY101.

PSY 311 - Physiological Psych (4 credits)
This course is a study of the relations of behavior of organisms to their physiological processes. In addition to the characteristic modes of functioning and the complexity of the human nervous system, it includes a study of how such diverse events as ontogenetic development, brain lesions, stress, and sensory deprivation or enrichment affect behavior. A series of laboratory exercises is employed in order to aid the student in developing a more thorough understanding of the field.
Distribution: Advanced.

PSY 312 - Clinical Psychopharmacology (3 credits)
This course is designed to provide fundamental knowledge of how medications are used to treat a variety of psychological disorders and some neurodegenerative diseases. Emphasis is placed on how therapeutic drugs act within the nervous system, clinical studies examining the efficacy of these drugs, how these drugs are used in combination with psychotherapy, and the potential side effects of these drugs.
Distribution: Advanced. Prerequisite: PSY100 OR PSY101 AND PSY321 AND PSY351 AND BIOL111.

PSY 313 - Comparative Psychology (4 credits)
This course offers analysis, discussion, and laboratory experiences in animal and human behavior. It places human behavior in phylogenetic perspective. The behaviors of various animals are studied with emphasis on the behavioral similarities and differences among animals and with respect to humans to gain an understanding of their behavioral roots and capacities. Laboratory exercises will consist of behavioral observations and follow-up reports of animal behaviors in semi-natural and laboratory environments.
Distribution: Advanced. Prerequisite: PSY100 OR PSY101 AND PSY201.

- PSY-314 (3 credits)
Prerequisite: PSY 100.

PSY 315 - Industrial/Organizational Psychology (3 credits)
This course offers analysis, discussion, and laboratory experiences in animal and human behavior. It places human behavior in phylogenetic perspective. The behaviors of various animals are studied with emphasis on the behavioral similarities and differences among animals and with respect to humans to gain an understanding of their behavioral roots and capacities. Laboratory exercises will consist of behavioral observations and follow-up reports of animal behaviors in semi-natural and laboratory environments.
Distribution: Advanced.

PSY 320 - Social Psychology: Theories, Research and Application (3 credits)
This is designed to provide an in-depth examination of selected areas within social psychology. Topics may include conformity, social cognition, persuasion, self-justification, human aggression, interpersonal relationships, and prejudice. Emphasis is placed on the understanding, development, and application of social psychological research.
Distribution: Advanced. Prerequisite: PSY100 OR PSY101 OR PSY220 AND PSY201.

PSY 321 - Theories Of Personality (3 credits)
This course focuses on a discussion of theories that have contributed significantly to current concepts of personality with emphasis on the diversity of views and techniques (from psychoanalysis to cognitive behaviorism) that characterize the field. The relationship of personality theory to assumptions about the nature of man will be noted.
Distribution: Advanced. Prerequisite: PSY100 OR PSY101.

PSY 326 - Health Psychology and Behavioral Medicine (3 credits)
This course offers analysis, discussion, and laboratory experiences in animal and human behavior. It places human behavior in phylogenetic perspective. The behaviors of various animals are studied with emphasis on the behavioral similarities and differences among animals and with respect to humans to gain an understanding of their behavioral roots and capacities. Laboratory exercises will consist of behavioral observations and follow-up reports of animal behaviors in semi-natural and laboratory environments.
Distribution: Advanced. Prerequisite: PSY100 OR PSY101.

PSY 341 - Measurement and Evaluation in Psychology (3 credits)
This course covers a brief history of testing and assessment. The focus is on basic procedures necessary for the quantification of measured characteristics and includes a study of norms, reliability, and validity in the development of standardized tests.
Distribution: Advanced. Prerequisite: PSY 100 or PSY 101; PSY 201.
PSY 351 - Abnormal Psychology (3 credits)
This course reviews basic principles of motivation, learning, and development as they are related to disorganized behavior, physiological, sociological, and psychological factors in the development of disorganized personalities, the etiology and symptomatology of the major categories of neurosis, psychosis, personality disorders, and organic brain disorders, and methods of treatment and prevention.
Distribution: Advanced. Prerequisite: PSY100 or PSY101 AND PSY321.

PSY 361 - Child Psychopathology (3 credits)
The purpose of this course is to introduce the student to the basic concepts of Child Psychopathology, the scientific and scholarly study of child and adolescent emotional and behavioral disorders. The course will include a discussion of the etiology, symptomatology, treatment, and prevention of childhood disorders. The distinctions between child and adult pathology and current research trends will also be emphasized.
Distribution: Advanced. Prerequisite: PSY100 OR PSY101 AND PSY321 AND PSY351.

PSY 377 - Psychology of Adult and Aging (3 credits)
This course is designed to enhance the students' understanding of various topics that are central to adult development and aging. Lectures and exercises encourage the students to apply learning to everyday life situations. Students will identify, compare and contrast, and critically evaluate major themes in the research of human development (e.g., rationalism, empiricism, maturationism, and constructivism). The course structure stresses diversity of experience and immediate practical application of the knowledge.
Distribution: Advanced.

PSY 401 - History Of Psychology (3 credits)
This course considers the trends and controversial issues in psychology related to forces in a general culture and examines the philosophical and theoretical views of eminent psychologists and the influence of physical science on methodology in behavioral science.
Distribution: Advanced. Prerequisite: PSY100 or PSY101.

PSY 402 - Cognitive Processes (3 credits)
This course is a study of complex mental processes and explanatory models of these processes, the relation between affective and associative processes, thinking, problem solving, decision-making, and creativity.
Distribution: Advanced. Prerequisite: PSY100 or PSY101 AND PSY201 AND PSY202.

PSY 405 - Infant, Child, and Adolescent Psychology (3 credits)
Students will study historical and contemporary theoretical and research issues in human development. In addition to covering the challenges in developmental research and measurement design, the course will cover major systems and themes in the science of human development.
Distribution: Advanced.

PSY 409 - Research In Psychology (1 - 3 credits)
This course is designed to broaden a student's background in psychological topics through in-depth reading or research in a particular area. It is open to qualified students who wish to contribute an individual research project or theoretical paper under the supervision of a staff member. Subject matter varies depending upon student and faculty interest. May be repeated to a total maximum of six credits.
Distribution: Advanced | Level III Writing (W3). Prerequisite: PSY100 or PSY101 AND PSY201 AND PSY202.

PSY 410 - Perspectives in Psychology (3 credits)
This course presents the Psychology major with an opportunity to synthesize the knowledge acquired during the undergraduate course of study.

PSY 452 - Group Processes in Counseling (3 credits)
This course considers the trends and controversial issues in counseling. The student will survey the various group models applicable to a variety of populations and settings as well as the most recent, relevant research on group processes. The course includes didactic and experiential components.
Distribution: Advanced. Prerequisite: PSY451.

PSY 461 - Tests And Measures (3 credits)
This is an advanced integrative course in the theory, problems, methods, and content of psychological testing. The course will cover basic concepts of test development, construction, administration, scoring, and interpretation. Students will work directly with Intelligence tests (e.g., Wechsler Tests), Personality Tests, (Minnesota Multiphasic Personality Inventory, Sixteen Personality Factors), projective tests, and other clinical tests (e.g., Beck inventories, Mental Status exam).
Distribution: Advanced | Level III Writing (W3). Prerequisite: PSY201 AND PSY451.

PSY 484 - Mental Health Practice (3 credits)
This course is required of, and restricted to, students who are enrolled in the Mental Health Worker concentration (BS in psychology). Students are assigned to an agency appropriate to the program and their specific interests and spend a minimum of 120 hours of supervised experience in addition to meeting in a group seminar. The seminar will concentrate on day-to-day problems with which students deal in their placement and current issues and ethics in the mental health professions.
Distribution: Advanced. Prerequisite: PSY451 AND PSY452.

PSY 485 - IS: (1 - 12 credits)
This experience is taken upon the initiative of a student who seeks to study with a knowledgeable faculty member in order to deepen a specific interest in a particular academic discipline. Independent study is a process through which a student either sharply increases his/her already advanced knowledge of a subject matter or increases his/her appreciation about an academic discipline that is correlative with the student’s advanced knowledge of a subject. The proposed independent study must be submitted to the department for approval. The faculty member supervising the independent study must provide a minimum of five (5) hours of time per credit hour upon request of the student.
Distribution: Advanced. Prerequisite: PSY 101, 60 credits and permission of instructor.

PSY 486 - Field Experiences and Internship (1 - 15 credits)
This course is designed to provide students with field experience and working knowledge in the psychological area of their choosing (e.g., counseling, criminal justice, school psychology, industrial/organizational psychology). Placement may occur in a variety of locations, including hospitals, social service agencies, schools, legal firms, human resources offices, and marketing companies. A maximum of twelve credits may be earned through the program.
Distribution: Advanced.
Reading

College of Education
Stroud Hall Room 112
570-422-3416
www.esu.edu/reed

About the Program
The Reading Department offers courses in reading education that are required by the departments of Early Childhood and Elementary Education, Professional and Secondary Education, and Special Education. All students are required to maintain a cumulative and major average as specified in Pennsylvania law to take teacher education classes. Please refer to the section The College of Education in this catalog for specific requirements.

All teacher education students should be in frequent consultation with their academic advisers to make sure they are meeting the appropriate program and certification requirements which will vary depending on a variety of circumstances.

Reading Faculty

Professors:
Mary Beth Allen (mballen@esu.edu)

Associate Professor:
Shawn Watkins, Chair (swatkins1@esu.edu)

Assistant Professor:
Andrew Gavalis (agavalis@esu.edu)

REED - Reading Courses

REED 191 - Reading Strategies for Textbook Comprehension (3 credits)
The needs and progress of college students are evaluated in the development of their reading ability. Comprehension skills, especially understanding reasoning processes expressed in written language and study skills, are emphasized. Open to all students.

REED 290 - Special Topics: ([Semester hours arranged])
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

REED 314 - Foundations of Reading for the Developing Child (3 credits)
This is a foundational course for the teaching of reading designed to prepare candidates to effectively teach literacy in grades 1-4. It includes a research-based theoretical framework and practical ideas for teaching reading. Topics emphasized include phonemic awareness, phonics, fluency, vocabulary, comprehension, and assessment. Distribution: Advanced. Prerequisite: ECED 232 and ECED 262; Pre K-4 Program Screening.

REED 315 - Scaffolding Language and Literacy Development for Students with Disabilities (3 credits)
This course, which is cross-listed as SPED 315, prepares pre-service special education teachers to provide effective literacy instruction to students with mild to severe language, reading, and writing disabilities. The course emphasizes research-based assessment and instructional techniques that scaffold the development of language and literacy skills for students with disabilities. IEP elements related to assessing skills, planning goals, and monitoring progress for students with language and literacy disabilities, elements related to their Individualized Education Plans (IEPs) are featured. This course is required for students seeking certification in Special Education.

Distribution: Advanced. Prerequisite: SPED: All required 100 and 200 level SPED courses; PREK-4th Program: REED 314; Middle School Program: REED 340 and prior or concurrent enrollment in REED 350; Professional and Secondary Education Program: Prior or concurrent enrollment in REED 350; Speech-Language Pathology: SPPA 101.

REED 340 - Teaching Reading in the Middle School (3 credits)
This is a foundational course for the teaching of reading. It includes a research-based theoretical framework and practical ideas for teaching reading to diverse students, including English Language Learners (ELL). This course is designed for those majoring in middle school certification. Distribution: Advanced. Prerequisite: PSED150 AND PSED250 AND ELED350.

REED 350 - Teaching Reading to Communities of Diverse Learners (3 credits)
This course provides opportunities for pre-service teachers to learn how to respond to the literacy needs of diverse learners in all content areas. There is a focus on formal and informal assessments and appropriate instructional techniques. Pre-service teachers become knowledgeable about literacy issues associated with specific content areas using a variety of types and levels of text. Distribution: Advanced. Prerequisite: PSED150 AND PSED250.

REED 485 - IS: (3 credits)
This course consists of directed research and study on an individual basis. Distribution: Advanced.

Recreation Services Management

College of Business and Management
Department of Hospitality, Recreation and Tourism
Management
Gessner 208
570-422-3505
www.esu.edu/rsm

About the Program
The Program in Recreation Services Management can prepare you for a variety of career paths in recreation services settings. Our Bachelor of Science degree program with a major in Recreation Services Management (RSM) was established in 1978.

The mission of the RSM program is to provide students with knowledge and skills needed for entry into the workforce. An advisory council, comprised of expert practitioners in the Pocono region, offers input to the faculty. Their perspectives enable the faculty to be responsive to the changing needs of the work force. The program provides students options that are determined by their interests and goals.

Transfer Students
Many students transfer from community colleges and other universities. We welcome your inquiries. More information about credit and course transfers is available from the Office of Admissions, 877-230-5547.

Are you interested in ...
- Planning and implementing meaningful recreation opportunities for others?
- Coordinating and planning events?
- Facilitating team building experiences?
- Enabling others to improve their quality of life?
- A dynamic work environment that has you completing many different tasks each day?
Why Choose Recreation Services Management at ESU?
- Small class size
- Nationally accredited program
- Internship placement and other practical fieldwork experiences
- Qualified, experienced faculty
- Several career specializations
- Frequent faculty interactions that cultivates professional development

Is Recreation Services Management a career path for me?
- Event Planner
- Park Ranger/Park Manager
- Community Recreation Director

Career Potential
- Youth camps
- Outdoor adventure facilities
- Commercial Practicum
- Commercial Practicum
- Outdoor Practicum
- Therapeutic Practicum

Career Settings
- Resorts
- Ski areas
- Camp Director
- Camp Director
- Community Recreation Director

Recreation Services Management B.S.

PROGRAM FEATURES
48 RECR credits and 12 co-requisite credits

Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECR 150</td>
<td>Introduction to Recreation and Leisure Services</td>
<td>3</td>
</tr>
<tr>
<td>RECR 151</td>
<td>Recreation Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RECR 260</td>
<td>Recreation Services for Persons with Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>RECR 270</td>
<td>Recreation in Commercial Settings</td>
<td>3</td>
</tr>
<tr>
<td>RECR 281</td>
<td>Outdoor Recreation and Park Management</td>
<td>3</td>
</tr>
<tr>
<td>RECR 350</td>
<td>Special Event and Program Planning</td>
<td>3</td>
</tr>
<tr>
<td>RECR 351</td>
<td>Management of Recreation Organizations I</td>
<td>3</td>
</tr>
<tr>
<td>RECR 352</td>
<td>Management of Recreation Organizations II</td>
<td>3</td>
</tr>
<tr>
<td>RECR 450</td>
<td>Recreation Areas and Facilities</td>
<td>3</td>
</tr>
<tr>
<td>RECR 486</td>
<td>Internship: Semester Hours Arranged</td>
<td></td>
</tr>
</tbody>
</table>

3 of the 4 practicum courses –

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECR 390</td>
<td>Therapeutic Practicum</td>
<td>1</td>
</tr>
<tr>
<td>RECR 391</td>
<td>Outdoor Practicum</td>
<td>1</td>
</tr>
<tr>
<td>RECR 392</td>
<td>Commercial Practicum</td>
<td>1</td>
</tr>
<tr>
<td>RECR 393</td>
<td>Community Practicum</td>
<td>1</td>
</tr>
</tbody>
</table>

at least six additional semester hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECR 261</td>
<td>Leisure and Aging</td>
<td>3</td>
</tr>
<tr>
<td>RECR 280</td>
<td>Outdoor/Environmental Education</td>
<td>3</td>
</tr>
<tr>
<td>RECR 361</td>
<td>Clinical Aspects of Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RECR 362</td>
<td>Therapeutic Recreation Interventions</td>
<td>3</td>
</tr>
<tr>
<td>RECR 371</td>
<td>Marketing for Commercial Recreation Enterprises</td>
<td>3</td>
</tr>
<tr>
<td>RECR 380</td>
<td>Coastal and Marine Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RECR 381</td>
<td>Issues in Park Management</td>
<td>3</td>
</tr>
<tr>
<td>RECR 382</td>
<td>The U.S. National Park System</td>
<td>3</td>
</tr>
<tr>
<td>RECR 460</td>
<td>Concepts and Issues in Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RECR 470</td>
<td>Ski Area Management</td>
<td>3</td>
</tr>
<tr>
<td>RECR 471</td>
<td>Seminar in Commercial Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RECR 480</td>
<td>Park Resources Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>RECR 485</td>
<td>Independent Study:</td>
<td>3</td>
</tr>
</tbody>
</table>

Co-requisite courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMST 253</td>
<td>GN: Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 203</td>
<td>GN: Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 240</td>
<td>Health Emergencies</td>
<td>3</td>
</tr>
<tr>
<td>CPSC 100</td>
<td>GN: Personal Computers and Their Uses</td>
<td>3</td>
</tr>
</tbody>
</table>

Required quality point average:
62 credits or above require a QPA of 2.25, overall and in the major.

Additional Requirements:
- Please see the university requirements in this catalog.

SUGGESTED SEQUENCE OF REQUIRED COURSES:

4 YEAR CURRICULUM PROGRAM PLAN
(Subject to change by the university without notice)

Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECR 150</td>
<td>Introduction to Recreation and Leisure Services</td>
<td>3</td>
</tr>
<tr>
<td>RECR 151</td>
<td>Recreation Leadership</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECR 260</td>
<td>Recreation Services for Persons with Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Sophomore Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECR 270</td>
<td>Recreation in Commercial Settings</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
<tr>
<td>GenEd</td>
<td>General Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECR 281</td>
<td>Outdoor Recreation and Park Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15
For more information, contact the department by calling 570-422-3511 or visit Gessner 207 or www.esu.edu/rsm.

**Minor in Park Management**

The Park Management minor emphasizes planning and designing of recreation facilities, examines current sustainable practices, investigates trends in environmental education, and analyzes the ecological diversity of the National Park services and agencies. The minor helps prepare students who are seeking a career in outdoor recreation and park management.

**DEGREE REQUIREMENTS**

<table>
<thead>
<tr>
<th>Requirements List</th>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECR 281</td>
<td>Outdoor Recreation and Park Management</td>
<td>3</td>
</tr>
<tr>
<td>RECR 351</td>
<td>Management of Recreation Organizations I</td>
<td>3</td>
</tr>
<tr>
<td>RECR 381</td>
<td>Issues in Park Management</td>
<td>3</td>
</tr>
<tr>
<td>RECR 450</td>
<td>Recreation Areas and Facilities</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Coastal and Marine Recreation</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>The U.S. National Park System</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Park Resources Interpretation</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional requirements**

Students declaring a minor in Park Management will not be required to take RECR 150 and RECR 151 when listed as prerequisites for the above course. The department will waive these prerequisites.

---

**RECR - Recreation Services Management Courses**

**RECR 150 - Introduction to Recreation and Leisure Services (3 credits)**

This course provides an introduction to the study of recreation and leisure as a phenomenon of human social experience. The course presents and overview of the delivery of recreation and leisure services in a variety of settings for all populations.

**RECR 151 - Recreation Leadership (3 credits)**

This course surveys the leadership role in group settings, the group process, group dynamics, leadership styles, and interpersonal communication. Incorporated into this course is an activity lab which enables students to experience the role of leading groups of different ages and skill levels.

**RECR 241 - WS: Leisure and Gender (3 credits)**

This course is an introduction to issues and questions about women and men and their leisure. The student will examine the differences and similarities between women and men concerning their leisure interests, needs, and perceptions. Topics will include a comparison of women's and men's leisure historically, gender-role socialization during lifespan development, participation in leisure pursuits by gender, gender-based constraints on leisure, and problems and issues faced by leisure professionals because of gender. Prerequisite: Sophomore standing.

**RECR 260 - Recreation Services for Persons with Disabilities (3 credits)**

This course is an in-depth analysis of societal attitudes, the stigma of disability, and the evolution of therapeutic recreation services. The impact of legislation, inclusive programming, and models of service are analyzed. The recreation abilities and needs of persons with a variety of disabilities are evaluated. Distribution: Advanced. Prerequisite: RECR 150 and RECR 151.

**RECR 261 - Leisure and Aging (3 credits)**

This course analyzes the delivery of leisure services to individuals over 60. Psychosocial, physical, and cognitive changes as they relate to the aging process, and one's leisure are investigated. The implications of changes in demographics, lifespan, healthcare delivery, and public policy are explored. Therapeutic recreation practice in long term care is examined.

**RECR 270 - Recreation in Commercial Settings (3 credits)**

This course is an analysis of tourist-related industries with particular attention focused on managerial tasks and business skills required in delivering commercial leisure services to the consumer. This course will also focus upon different types of commercial recreation enterprises such as health clubs, ski areas, and theme parks. Trends and issues pertinent to the operation and management of these firms will also be examined. Distribution: Advanced. Prerequisite: RECR 150 AND RECR 151.

**RECR 280 - Outdoor/Environmental Education (3 credits)**

This course provides a survey of the history, philosophy, current status, and future trends in the outdoor education and environmental education movements. The student will acquire skills in leadership of a variety of outdoor/environmental education activities and will visit environmental education centers and programs in the regional area. Prerequisite: BIOL 104.

**RECR 281 - Outdoor Recreation and Park Management (3 credits)**

This course presents advanced study in the history, current status and management of outdoor recreation opportunities and resources. It examines the relationship of outdoor recreation and natural resources, especially the environmental impact of recreational pursuits on the resource base. Distribution: Advanced. Prerequisite: RECR 150 and RECR 151.
RECR 290 - Special Topics: (Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

RECR 350 - Special Event and Program Planning (3 credits)
This class is designed to enable the student to plan and implement a variety of recreation programs and special events. Particular attention will be focused on the process of program planning, marketing, risk management, and pricing as they relate to the offering of leisure services and special events.
Distribution: Advanced. Prerequisite: RECR 150 AND RECR 151.

RECR 351 - Management of Recreation Organizations I (3 credits)
This course presents management theories, concepts, procedures, and best practices utilized in park & recreation organizations. Emphasis is on the management role, legal issues, management resources, and resource planning.
Distribution: Advanced. Prerequisite: 60 credits.

RECR 352 - Management of Recreation Organizations II (3 credits)
This course continues the presentation of management theories, concepts, procedures, and best practices utilized in park and recreation organizations. Emphasis is on human resources management, financial management, risk management, and action research.
Distribution: Advanced. Prerequisite: RECR 351.

RECR 361 - Clinical Aspects of Therapeutic Recreation (3 credits)
The focus of this course is to prepare future practitioners to deliver therapeutic recreation services in clinical settings. Medical terminology, assessment, documentation, the helping relationship, and the process of therapy are systematically analyzed. The lab experience incorporated into this course is to emphasize activity skill development. This course is for majors only.
Distribution: Advanced. Prerequisite: RECR 260.

RECR 362 - Therapeutic Recreation Interventions (3 credits)
This course is an in-depth examination of therapeutic recreation interventions and modalities used to assist individuals with illnesses and disabilities to improve and/or maintain their maximum functioning. Examples include but are not limited to social skills training, leisure education, remotivation, reality orientation, community re-integration, and adventure therapy. This course is for majors only.
Distribution: Advanced. Prerequisite: RECR 260.

RECR 371 - Marketing for Commercial Recreation Enterprises (3 credits)
This course is designed to acquaint the student with the importance of marketing to the commercial recreation industry. Particular attention will be placed upon the implementation of the marketing concept as well as an in-depth look into the development and implementation of a marketing plan. Consumer decision processes with their marketing implications will also be considered.
Distribution: Advanced. Prerequisite: RECR 270.

RECR 380 - Coastal and Marine Recreation (3 credits)
This course will provide an overview of the types and extent of recreational pursuits in coastal and marine environments. Historical aspects and trends in participation will be surveyed. Emphasis is on management of coastal and marine resources and issues associated with the use of these resources for recreation.
Distribution: Advanced. Prerequisite: RECR 281.

RECR 381 - Issues in Park Management (3 credits)
This course provides advanced study in the area of outdoor recreation and park management. Students will explore current issues faced by federal, state, and local government agencies responsible for park management. Students will learn a problem-solving management approach to the resolution of issues.
Distribution: Advanced. Prerequisite: RECR 281.

RECR 382 - The U.S. National Park System (3 credits)
This course will provide advanced study in the history and current status of the U.S. National Park System. The principles and practices of national park management issues faced by the National Park Service, and the future predictions for the status of the system will be explored.
Distribution: Advanced. Prerequisite: RECR 281.

RECR 390 - Therapeutic Practicum (1 credit)
This course involves analysis of the administration of a local agency offering therapeutic recreation services. Majors will gain practical field experience through participation in programming and interaction with agency personnel. Preparation of an agency profile and critique of field experience are required assignments.
Distribution: Advanced. Prerequisite: RECR 150.

RECR 391 - Outdoor Practicum (1 credit)
This course involves analysis of the administration of a local agency offering outdoor recreation or environmental education services. Majors will gain practical field experience through participation in programming and interaction with agency personnel. Preparation of an agency profile and critique of field experience are required assignments.
Distribution: Advanced. Prerequisite: RECR 150.

RECR 392 - Commercial Practicum (1 credit)
This course involves analysis of the administration of a local agency offering commercial recreation services. Majors will gain practical field experience through participation in programming and interaction with agency personnel. Preparation of an agency profile and critique of field experience are required assignments.
Distribution: Advanced. Prerequisite: RECR 150.

RECR 393 - Community Practicum (1 credit)
This course analyzes the administration of a local agency offering community recreation services. Majors will gain practical field experience through participation in programming and interaction with agency personnel. Preparation of an agency profile and critique of field experience are required assignments.
Distribution: Advanced. Prerequisite: RECR 150.

RECR 450 - Recreation Areas and Facilities (3 credits)
Students in this course will study the planning, design, and maintenance of indoor and outdoor recreation areas and facilities.
Prerequisite: RECR 281, 60 credits.

RECR 451 - Seminar (3 credits)
This course involves discussion and intensive study of selected issues, problems, and topics with which seniors should be familiar as they prepare to enter the world of work/graduate school.
Distribution: Advanced.

RECR 460 - Concepts and Issues in Therapeutic Recreation (3 credits)
This course is a continuation of RECR 361, which concentrates on the preparation of Recreation Therapy practitioners. Human development, leisure education, therapeutic techniques and approaches, treatment protocols, and the inter-disciplinary approach to treatment are examined. Other contemporary issues and trends are analyzed.
Distribution: Advanced. Prerequisite: RECR 361 AND RECR 260.

RECR 470 - Ski Area Management (3 credits)
This course is designed to give the student an overview of ski area management with emphasis on design principles, financial practices, and operating procedures necessary for the successful operation of a ski area.
• Helping youth and adults with disabilities in developing life skills
• Rehabilitation specialist
• Guiding youth and adults with disabilities to be successful in
• Case manager
• Employment consultant

Career Potential

Choose one of the following: 3 credits

PSY 220  GN: Social Psychology  3
PSY 222  GN: Psychology of Adjustment  3
PSY 225  GN: Lifespan Developmental Psychology  3

About the Program

The undergraduate Rehabilitative and Human Services program prepares
students to work in a broad range of rehabilitation settings with youths
through adults who have various types and degrees of disabilities. These
settings may include day service or employment settings, supported
living, residential settings, and rehabilitation facilities. Although
students may obtain employment in such settings upon completion of their
degree, many students elect to pursue graduate study
in related fields, such as vocational rehabilitation counseling. The
Rehabilitative and Human Services program provides an excellent
foundation for graduate study in these areas. The Rehabilitative and
Human Services program is part of ESU’s Department of Special Education
and Rehabilitation.

Are you interested in ...

• Assisting youth and adults with disabilities so they will be successful in
  society
• Guiding youth and adults with disabilities to be successful in
  employment, housing, and recreational situations
• Helping youth and adults with disabilities in developing life skills

Choose Rehabilitative and Human Services at ESU:

• Small class size
• Practical field experiences, including internship placement
• Qualified, experienced faculty
• Frequent faculty interactions

Is Rehabilitative and Human Services a career path for me?

Career Potential

• Employment consultant
• Case manager
• Rehabilitation specialist

• Community residence supervisor

Career Settings

• Community employment settings
• Supported living and residential settings
• Rehabilitation facilities

Student Organizations

• The Council for Exceptional Children (CEC) is a campus group that is
  part of an international organization that promotes quality programs
  for individuals with disabilities. CEC provides a great opportunity to
  meet fellow special educators and work with individuals of all ages
  who have disabilities. Some of the CEC activities include:
  • Visiting adults with intellectual disabilities at a local state
devotional center
  • Helping with Special Olympics
  • Tutoring at-risk students
  • Attending a state level CEC conference
• Sigma Pi Epsilon Delta is the National Honor Society for special
  education and rehabilitation majors. Honor members provide
  activities for individuals with disabilities in the community.
• Rehabilitative Services Student Organization (RSSO) is the
  organization for majors in Rehabilitative and Human Services.
  Members of the organization host speakers from adult service
  agencies and provide volunteer services to individuals with disabilities
  from the local community. Our organization is also an active supporter
  of the Pennsylvania Rehabilitation Association, which is the state
  chapter of the National Rehabilitation Association.
• Best Buddies is an international organization that enhances the lives
  of people with intellectual disabilities by providing opportunities for
  one-to-one friendships and integrated employment. At East
  Stroudsburg University, we match university students and individuals
  with intellectual disabilities throughout the community in one-to-one
  friendships.

Rehabilitative and Human Services B.S.

Note: The Rehabilitative and Human Services Program is being redesigned
to continue to meet the needs of the students and adults in the field.
Additional areas of training and changes in course selections and
requirements may occur. Please contact the chair of the department with
any questions.

PROGRAM FEATURES

55 credit hours

Rehabilitative and Human Services core requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPRE 100</td>
<td>Foundations of Human Services</td>
<td>3</td>
</tr>
<tr>
<td>SPED 102</td>
<td>Diversity of the Learner</td>
<td>3</td>
</tr>
<tr>
<td>SPED 105</td>
<td>Special Education History and Law</td>
<td>3</td>
</tr>
<tr>
<td>SPRE 201</td>
<td>Community Rehabilitative Services</td>
<td>3</td>
</tr>
<tr>
<td>SPRE 214</td>
<td>Positive Behavior Support</td>
<td>3</td>
</tr>
<tr>
<td>SPRE 300</td>
<td>Developing Integrated Employment Opportunities</td>
<td>3</td>
</tr>
<tr>
<td>SPRE 301</td>
<td>The Vocational Rehab Process</td>
<td>3</td>
</tr>
<tr>
<td>SPRE 310</td>
<td>Recreation and Leisure for Individuals with Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>SPRE 315</td>
<td>Transition School to Adulthood</td>
<td>3</td>
</tr>
<tr>
<td>SPRE 318</td>
<td>Current Issues in Psychiatric Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>SPRE 320</td>
<td>Advanced Issues in Disability Studies</td>
<td>3</td>
</tr>
<tr>
<td>SPRE 486</td>
<td>Field Experience &amp; Internship</td>
<td>12</td>
</tr>
<tr>
<td>SPRE 487</td>
<td>Internship Practicum</td>
<td>1</td>
</tr>
</tbody>
</table>

Choose one of the following: 3 credits

PSY 220  GN: Social Psychology  3
PSY 222  GN: Psychology of Adjustment  3
PSY 225  GN: Lifespan Developmental Psychology  3
PSY 301  Sensation Perception  3  
PSY 302  Theories Of Learning  3  
PSY 321  Theories Of Personality  3  
PSY 351  Abnormal Psychology  3  

Choose one of the following: 3 credits
HLTH 230  Community Health  3  
HLTH 240  Health Emergencies  3  

Directed general education course: 3 credits
SOC 111  GN: Introduction to Sociology  3  

Additional requirements:
- A minimum overall QPA of 2.5 is required for admission into and graduation from the program. Falling below a QPA of 2.5 will result in a Departmental Probationary Status for one semester and may mean dismissal from Rehabilitative and Human Services Studies if the QPA is not brought up to 2.5 at the end of the probationary semester.
- Also required are 20 credits to fulfill the required 120 credits for graduation. Twelve of those credits must be at the 300 or above level. This is done through advisement of non-restricted credits.

4 YEAR CURRICULUM PROGRAM PLAN

(Freshman Year Fall)
SPRE 100  Foundations of Human Services  3  
SPED 105  Special Education History and Law  3  
GenEd ___  General Education Elective  3  
GenEd ___  General Education Elective  3  
GenEd ___  General Education Elective  3  

Subtotal: 15

(Spring)
SPRE 200  Individuals with Exceptionalities in Community Life  3  
PSY 100  GN: General Psychology  3  
SPED 201  Assessment and Evaluation in Special Education  3  
GenEd ___  General Education Elective  3  
GenEd ___  General Education Elective  3  
GenEd ___  General Education Elective  3  

Subtotal: 15

(Sophomore Year Fall)
SOC 111  GN: Introduction to Sociology  3  
PSY 222  GN: Psychology of Adjustment  3  
GenEd ___  General Education Elective  3  
GenEd ___  General Education Elective  3  
XXXX ___  Elective  3  

Subtotal: 15

(Spring)
SPRE 214  Positive Behavior Support  3  
HLTH 240  Health Emergencies  3  
XXXX ___  Elective  3  
GenEd ___  General Education Elective  3  
GenEd ___  General Education Elective  3  

Subtotal: 15

(Junior Year Fall)
SPRE 301  The Vocational Rehab Process  3  
GenEd ___  General Education Elective  3  
GenEd ___  General Education Elective  3  
XXXX ___  Elective  3  

Subtotal: 15

(Spring)
SPRE 300  Developing Integrated Employment Opportunities  3  
SPRE 315  Transition School to Adulthood  3  
XXXX ___  Elective  3  
XXXX ___  Elective  3  
GenEd ___  General Education Elective  3  

Subtotal: 16

(Senior Year Fall)
SPRE 318  Current Issues in Psychiatric Rehabilitation  3  
SPRE 320  Advanced Issues in Disability Studies  3  
XXXX ___  Elective  3  
GenEd ___  General Education Elective  3  
GenEd ___  General Education Elective  3  
GenEd ___  General Education Elective  3  
Fitness Elective  1  

Subtotal: 16

Subtotal: 13

For more information, contact the department at 570-422-3558 or visit Stroud Hall, Room 108 570-422-3558. www.esu.edu/sped.

Rehabilitative and Human Services Faculty

Professors:
Domenico Cavaiuolo (dcavaiuolo@esu.edu)
Gina Scala, Chair (gscala@esu.edu)

Associate Professors:
Caroline DiPipi-Hoy (cdipi-pipi-hoy@esu.edu)
Heather Garrison (hgarrison@esu.edu)

SPRE - Rehabilitative Services Courses

SPRE 100 - Foundations of Human Services (3 credits)
This course is an orientation to the rehabilitation and normalization process, including a survey of historical development, principles, philosophy, disability, needs of people with disabilities, legal aspects of rehabilitation, and related programs of services to individuals with disabilities.

SPRE 200 - Individuals with Exceptionalities in Community Life (3 credits)
This course places an emphasis on the role of individuals with disabilities in society.

SPRE 201 - Community Rehabilitative Services (3 credits)
This course covers the traditional, current, and emerging roles of the community in the rehabilitative process. Emphasis is placed on shared responsibilities of federal, state, regional, and local agencies. Students explore pertinent legislation and implications for integrated and cooperative services. Prerequisite: SPRE100.

SPRE 214 - Positive Behavior Support (3 credits)
This course addresses all elements of effective classroom management which emphasizes behavior reduction strategies that are consistent with a positive behavioral support approach. All elements of conducting a functional assessment in developing a behavioral support plan for school and /or employment settings are addressed. Prerequisite: SPED105.

SPRE 300 - Developing Integrated Employment Opportunities (3 credits)
This course is designed to help students majoring in rehabilitative services to become knowledgeable of modern designs of vocational education.
and career planning for individuals with disabilities, and knowledgeable of federal, state, and local regulations concerning vocational training and to develop an awareness of problems of integrating persons with disabling conditions into the general work force.

Distribution: Advanced. Prerequisite: SPRE100.

SPRE 301 - The Vocational Rehab Process (3 credits)
This course assists students in Rehabilitative Services to develop an understanding of the vocational rehabilitative process. The roles and duties of rehabilitation counselors will be discussed, including case management, assessment and interviewing functions.

Distribution: Advanced. Prerequisite: SPRE 100, SPRE 200, SPRE 201, SPRE 204, SPED 105, departmental screening, and appropriate clearances.

SPRE 310 - Recreation and Leisure for Individuals with Disabilities (3 credits)
This course provides the student with an opportunity to participate in an on-site outdoor education program for local school aged children and/or adults with exceptionalities. Emphasis on special recreational services include the development, supervision and administration of programs for all types of exceptionalities.

Distribution: Advanced. Prerequisite: SPRE 100, SPRE 200, SPRE 201, SPRE 214, SPED 105, departmental screening, and appropriate clearances.

SPRE 311 - Etiology & Diagnosis of Individuals with Exceptionalities (3 credits)
This course is a study of the causative factors of high/low incidence disabilities. Included are atypical cognitive, physical, psychological, medical and psycho-social conditions of children and adults. Emphasis is placed on the development of diagnostic skills and the recognition of diagnostic criteria in the clinical setting. Skills in collaboration and teaming in the clinical, classroom and service agency settings are examined.

Distribution: Advanced.

SPRE 315 - Transition School to Adulthood (3 credits)
This course provides students with a proactive approach to transition planning for the provision of services that result in positive adult outcomes for students leaving the school system.

Distribution: Advanced. Prerequisite: SPRE100 AND SPRE200 AND SPRE201 AND SPRE105.

SPRE 318 - Current Issues in Psychiatric Rehabilitation (3 credits)
This course provides a basic orientation to the field of psychiatric rehabilitation. The course will include historical antecedents, as well as philosophical and programmatic connections to the field of rehabilitation counseling. The course will also cover assessment, planning, and service delivery methods for those intending to work in rehabilitation settings that focus on serving individuals with psychiatric disabilities.

Distribution: Advanced. Prerequisite: SPRE 100, SPRE 200, SPRE 201, SPRE 214, SPED 105; departmental screening; appropriate clearances.

SPRE 320 - Advanced Issues in Disability Studies (3 credits)
This course is an interdisciplinary exploration of the sociocultural construct of disability. Disabilities Studies views disability as part of the normal range of human experiences and explores disability as a cultural, rather than individual, phenomenon that results from disabling social interactions. Students will examine changes in social perceptions regarding disability and the impact on the lives of people with disabilities.

Distribution: Advanced. Prerequisite: SPRE 100, SPRE 200, SPRE 201, SPRE 214; departmental screening; appropriate clearances.

SPRE 486 - Field Experience & Internship (12 credits)
This course consists of at least one field experience placement with populations having physical or mental disabilities in various agencies, developmental centers, rehabilitation facilities, and the like that serve the needs of that population throughout the tri-county area. Assignments in other geographical areas may be utilized when deemed appropriate and approved by the faculty of Special Education and Rehabilitation.

Distribution: Advanced.

SPRE 487 - Internship Practicum (1 credits)
The Internship Practicum meets on a regular basis to provide current interns in the Rehabilitative Services major with an opportunity to discuss current issues in their internship experiences and to further explore topics of interest. The topics within each practicum session represent immediate intern needs regarding professional growth and development.

Distribution: Advanced.
Overall GPA of 2.0.

Successful completion of the program requires a 2.5 GPA in the social work major, a minimum of a "C" or higher in all required courses and an overall GPA of 2.0.

**Career Settings**
- Not for Profit Agencies
- Public Agencies
- Mental Health Agencies
- Child Welfare Systems
- Substance Abuse Treatment Programs
- Health Care Delivery Systems
- Homeless Assistance Agencies
- Anti-poverty Programs
- Residential Treatment Programs
- Schools
- Government
- Community Relations

**Social Work B.S.**
Formal admission into the program requires completion of SOSW 140 with a grade of "C" or higher; a cumulative GPA of 2.0 or better; and, submission of the BSSW Program Admission Application Form with two letters of reference and a two-page personal statement.

Continuation in the program requires maintaining a 2.5 GPA in the social work major and receiving a minimum of a "C" in every required course. Students must also abide by the National Association of Social Workers (NASW) Code of Ethics; demonstrate accepted standards of conduct in the classroom and field education components of the program; and, demonstrate progress in attaining the Competencies as outlined by the Council on Social Work Education (CSWE) 2015 EPAS.

Failure to maintain the requisite 2.5 in the program after two remediation attempts are made can result in termination from the major.

Successful completion of the program requires a 2.5 GPA in the social work major, a minimum of a "C" or higher in all required courses and an overall GPA of 2.0.

**Program Features**
48 credits

**Required Courses:**
SOC 102  GN: Introduction to Cultural Diversity 3
SOSW 140  Foundations of Social Work Practice 3
SOSW 220  Contemporary Social Work Practice 3
SOSW 254  Quantitative Analysis in Sociology, Social Work & Criminal Justice 3
SOC 310  GE: Introduction to Social Welfare Policy & Services 3
SOC 312  Research Methods 3
SOC 331  Human Behavior and the Social Environment 3
SOSW 371  Social Work with Individuals and Families 3
SOSW 372  Social Work with Groups 3
SOSW 373  Social Work with Communities and Organizations 3
SOSW 483  Social Work Practice & Skills I 6
SOSW 484  Social Work Practice & Skills II 6
SOC 377  GE: WS: Sociology of Women 3
SOCJ 354  Drug Use & Abuse in Society 3

**Co-requisite Courses:**
SOC 111  GN: Introduction to Sociology 3
SOC 231  GN: Marriage and Family 3
PSY 100  GN: General Psychology 3
ECON 111  GN: Principles of Macroeconomics 3
BIOL 111  GE: Human Anatomy and Physiology I 4

**Additional Requirements:**
- Successful completion of the program requires a 2.5 GPA in the social work major, a minimum of a "C" or higher in all required courses, and an overall GPA of 2.0.
- Please see the university requirements in this catalog. (p. 44)

**4 Year Curriculum Program Plan**

**Freshman Year Fall**
FYE 100  University Studies 3
SOSW 140  Foundations of Social Work Practice 3
SOC 111  GN: Introduction to Sociology 3
ENGL ____  English Composition 3
PSY 100  GN: General Psychology 3

**Subtotal: 15**

**Spring**
SOC 231  GN: Marriage and Family 3
SOC 102  GN: Introduction to Cultural Diversity 3
ECON 111  GN: Principles of Macroeconomics 3
GenEd ____  General Education Elective 3
GenEd ____  General Education Elective 3

**Subtotal: 15**

**Sophomore Year Fall**
HPLW 105  Health Promotion and Lifetime Wellness 3
SOSW 220  Contemporary Social Work Practice 3
SOC 254  Quantitative Analysis in Sociology, Social Work & Criminal Justice 3
BIOL 111  GE: Human Anatomy and Physiology I 4
GenEd ____  General Education Elective 3

**Subtotal: 16**

**Spring**
SOC 310  GE: Introduction to Social Welfare Policy & Services 3
SOC 331  Human Behavior and the Social Environment 3
GenEd ____  General Education Elective 3
GenEd ____  General Education Elective 3
GenEd ____  General Education Elective 3

**Subtotal: 15**

**Junior Year Fall**
SOC 312  Research Methods 3
SOSW 371  Social Work with Individuals and Families 3
XXX ____  Free Elective 3
GenEd ____  General Education Elective 3
GenEd ____  General Education Elective 3

**Subtotal: 15**

**Spring**
SOSW 372  Social Work with Groups 3
SOSW 373  Social Work with Communities and Organizations 3
SOSW ____  Social Work Elective 3
XXX ____  Free Elective 3
XXX ____  Free Elective 3

**Subtotal: 15**

**Total of 6 elective credits from the following:**
SOSW 321  Helping Philosophy & Methods 3
SOSW 325  Crisis Intervention 3
SOSW 326  Child Welfare Services 3
SOC 338  Sociology of Poverty & Homelessness 3
SOC 342  GE: Juvenile Delinquency 3
SOC 343  GE: Racial and Cultural Minorities 3
The 24-credit minor in Social Work emphasizes the knowledge and skills necessary for students to think critically and to develop beginning helping skills. The goal of the Social Work program is to provide students the educational background necessary for competent generalist social work practice in a range of human service settings and/or to pursue graduate study in social work or related disciplines. The Social Work minor not only complements the Sociology and Criminal Justice majors offered in the department, but also many other majors across various professional helping fields and disciplines in the behavioral, social and health sciences.

Program Features

Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOSW 483</td>
<td>Social Work Practice &amp; Skills I</td>
<td>6</td>
</tr>
<tr>
<td>SOSW ______</td>
<td>Social Work Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Free Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOSW 484</td>
<td>Social Work Practice &amp; Skills II</td>
<td>6</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ____</td>
<td>Free Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Crisis Intervention Certificate

This sub-baccalaureate certificate program is offered jointly by the Department of Psychology and the Department of Sociology, Social Work, & Criminal Justice.

Crisis Intervention is emergency psychosocial care aimed at assisting individuals in a crisis situation to restore equilibrium to their biopsychosocial functioning and to minimize the potential for psychological trauma.

Courses cover the skills necessary to assess and deescalate crisis.

Program Features

12 Credits

Social Work Minor

24 credit hours
The 24-credit minor in Social Work emphasizes the knowledge and skills necessary for students to think critically and to develop beginning helping skills. The goal of the Social Work program is to provide students the educational background necessary for competent generalist social work practice in a range of human service settings and/or to pursue graduate study in social work or related disciplines. The Social Work minor not only complements the Sociology and Criminal Justice majors offered in the department, but also many other majors across various professional helping fields and disciplines in the behavioral, social and health sciences.

Program Features

Required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOSW 140</td>
<td>Foundations of Social Work Practice</td>
<td>3</td>
</tr>
<tr>
<td>SOC 310</td>
<td>GE: Introduction to Social Welfare Policy &amp; Services</td>
<td>3</td>
</tr>
<tr>
<td>SOC 331</td>
<td>Human Behavior and the Social Environment</td>
<td>3</td>
</tr>
<tr>
<td>SOSW 371</td>
<td>Social Work with Individuals and Families</td>
<td>3</td>
</tr>
<tr>
<td>SOSW 372</td>
<td>Social Work with Groups</td>
<td>3</td>
</tr>
<tr>
<td>SOC 486</td>
<td>Field Work &amp; Observation: Semester Hours Arranged</td>
<td></td>
</tr>
</tbody>
</table>

Electives:
6 credit hours from

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOSW 321</td>
<td>Helping Philosophy &amp; Methods</td>
<td>3</td>
</tr>
<tr>
<td>SOSW 325</td>
<td>Crisis Intervention</td>
<td>3</td>
</tr>
<tr>
<td>SOSW 326</td>
<td>Child Welfare Services</td>
<td>3</td>
</tr>
<tr>
<td>SOSW 373</td>
<td>Social Work with Communities and Organizations</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional requirements:
2.5 GPA in the minor
SOC 111 GN: Introduction to Sociology 3

Social Work Faculty

Professors:
Laurene Clossey (lclossey@esu.edu)
Chin Hu (chu@esu.edu)
John Kraybill-Greggo, Department Chair & Director, Social Work Program (jkgreggo@esu.edu)
Reto Muller (rmuller@esu.edu)
Hooshang Pazaki (shpazaki@esu.edu)

Associate Professor:
Michelle Deninno DiLauro, Social Work Field Education Director (mdilaurom@esu.edu)

Instructors:
Hanif Bey (hbey2@esu.edu)
Hope Horowitz (hhorowitz2@esu.edu)

SOSW - Social Work Courses

SOSW 140 - Foundations of Social Work Practice (3 credits)
This course is designed to introduce students to social work practice with individuals, families, groups, organizations, and communities as applicable to various social work fields of practice. It also introduces students to the historical foundations, contemporary knowledge base, core values, and ethical principles of the social work profession.

SOSW 220 - Contemporary Social Work Practice (3 credits)
This course is designed to focus on contemporary issues and approaches in social work practice, and the responsibilities and ethics of a professional social worker. The course will also introduce students to the basic skills of helping. A limited field experience will enhance the classroom content and provide a venue for students to explore contemporary practice in a field of social work that interests them.

Distribution: Advanced.

SOSW 321 - Helping Philosophy & Methods (3 credits)
This course provides an introduction to the main modern therapies that professional social workers can use with their clients or take into consideration in making referrals. The main assumptions, concepts, and methods of dynamic psychotherapy, behavior therapy, and humanistic psychotherapy will be analyzed and illustrated. This course will not count for the Sociology major.

Distribution: Advanced. Prerequisite: SOSW 140.

SOSW 325 - Crisis Intervention (3 credits)
This course introduces students to the theoretical knowledge and practice skills necessary to competently intervene as crisis counselors in selected crisis situations. This course does not count for the Sociology major.

Distribution: Advanced. Prerequisite: SOSW 140.
SOWS 326 - Child Welfare Services (3 credits)
This is a social welfare policy course providing a comprehensive study of principal child welfare policy and services. Supportive, supplementary, protective, substitute services will be covered with a special focus on the problem of child abuse and neglect. Emphasis will be on child welfare services as a field of social work practice. This course will not count toward the Sociology major.
Distribution: Advanced. Prerequisite: SOWS 140.

327 - Anti-Oppressive SW Practice (3 credits)
This course prepares students to understand and practice anti-oppressive, anti-racist social work. This course will review theories that address conditions that create and sustain social, economic, and political injustice, and equip students to understand how power, racism, privilege, and marginalization oppress individuals, groups, and communities. This course will empower students to develop critical awareness through experiential, self-reflective and interactive activities to promote anti-oppressive social work practice skills at the individual, family, group, organizational and community levels.
Prerequisite: SOWS 140 and SOC 111.

SOWS 355 - Victimology (3 credits)
This course examines the field of victimology from a criminal justice perspective. It will focus on reviewing the problems associated with victimization including the examinations of victim-offender relationships, the victim’s role within society along with programs and policies used within the criminal justice system, other social services and medical field to treat victimization. Specific topics will include sexual victimization, child abuse, intimate partner violence, and restorative justice.
Prerequisite: SOC 111 (C), SOWS 140 (C), and SOWS 220 (C). Crosslisted as: SOJ 355.

SOWS 371 - Social Work with Individuals and Families (3 credits)
This course provides the foundation for social work practice with individuals and families. It emphasizes the basic knowledge, analytic and practice skills, and values necessary for direct practice. Students will learn how to engage/join with individuals and families. Specific knowledge to assist students in both assessment and establishing goals for intervention will be covered.
Distribution: Advanced. Prerequisite: SOWS 140.

SOWS 372 - Social Work with Groups (3 credits)
The focus of this course is small group theory and practice as applicable to social work practice. Social work intervention with family groups, problem-centered groups, and social action focused groups will be examined. Focus will be both on developing understanding of group dynamics and group process, and developing skills in group work practice.
Distribution: Advanced. Prerequisite: SOWS 140 AND SOWS 371.

SOWS 373 - Social Work with Communities and Organizations (3 credits)
This course focuses on developing knowledge and skills appropriate for social work practice with communities and organizations. The course is designed to teach skills to influence the organizational context of practice, as well as community organizing and program development skills.
Distribution: Advanced. Prerequisite: SOWS 140 AND SOWS 371.

SOWS 483 - Social Work Practice & Skills I (6 credits)
This course is designed to provide in-depth knowledge and skills in the professional practice of social work through an integrated class and agency-based learning experience. Major theories related to professional practice will be examined and skills in assessment, planning change, and evaluation will be developed. Emphasis is placed on the development of an increased understanding of the use of self in the professional social work role. This course will not count toward the sociology major.
Distribution: Advanced. Prerequisite: SOWS 140, SOWS 371, SOWS 372, SOWS 373.

SOWS 484 - Social Work Practice & Skills II (6 credits)
This course is the second semester long experience designed to provide students with an advanced opportunity to apply in-depth social work knowledge, skills, values and ethics through an integrated class and agency-based learning experience. Students will complete a capstone project related to their agency-based experience. Students must receive a minimum of a C in SOWS 483 to be able to register for the course. This course will not count toward the sociology major.
Distribution: Level III Writing (W3) | Advanced. Prerequisite: SOWS 140, SOC 310, SOC 311, SOWS 371, SOWS 372, SOWS 373, SOWS 483.

Sociology

About the Program
The Department of Sociology, Social Work and Criminal Justice offers a Bachelor of Arts in Sociology; Bachelor of Science in Social Work; and Bachelor of Science in Criminal Justice and three minors in Sociology, Social Work, and Criminal Justice. Students may choose to pursue a major in Sociology; Social Work; or Criminal Justice with a minor in either Sociology, Social Work, or Criminal Justice.

The Sociology major emphasizes developing in students the knowledge and skills necessary to think critically and imaginatively about social issues and to promote social betterment.

As students work toward their degree, they will find that sociology is much more than an academic discipline. In fact, sociology offers students an exciting new way of seeing the social world they live in. Students can expect sociology to enrich their personal life, as well as prepare their way for a deeply satisfying professional life.

Goals of the major include the acquisition of knowledge about human diversity, social inequality, and the pursuit of social justice. The major and its programs prepare students for various professional roles in Human Services and Criminal Justice, and provide the educational background necessary for students to pursue graduate studies in criminology/criminal justice, law, social work, counseling, policy development, research, and other related disciplines.

Since all human behavior is social and the scope of sociology respectively broad, career prospects for majors are (and will remain) quite excellent at both entry and advanced levels.

Are you interested in ...
- Studying social behavior and society
- Analyzing how social influences affect different individuals
- Designing research projects
- Helping to formulate public policy and resolve social problems

Choose Sociology at ESU
- Interactive classroom environments
- Practical field experiences
- Qualified, experienced faculty
- Frequent faculty interactions

Is sociology a career path for me?

Career Potential
- Sociologist
- Case Worker
- Criminal Justice Professional
• Manager
• Social Researcher
• Government Agency Professional

Career Settings
• Human Services Agencies
• Criminal Justice Agencies
• Business
• Education
• Government
• Community Relations

More detailed career information is available from the department.

Sociology B.A.

PROGRAM FEATURES
33 Credits

Required courses:
SOC 111 GN: Introduction to Sociology 3
SOC 241 GN: Contemporary Social Problems 3
SOC 254 Quantitative Analysis in Sociology, Social Work & Criminal Justice 3
SOC 255 Sociological Inquiry 3
SOC 312 Research Methods 3
SOC 370 Sociological Theory 3
SOC 495 Seminar 3

33 Credits

Required courses:
SOC 111 GN: Introduction to Sociology 3
SOC 241 GN: Contemporary Social Problems 3
SOC 254 Quantitative Analysis in Sociology, Social Work & Criminal Justice 3
SOC 255 Sociological Inquiry 3
SOC 312 Research Methods 3
SOC 370 Sociological Theory 3
SOC 495 Seminar 3

and a minimum of 3 credits in one of the following
SOC 486 Field Work & Observation 1 - 15
SOC 485 IS: 3

and a minimum of 12 additional credits in Sociology

Other requirements:
• Minimum quality point average of 2.5 in major at time of graduation
• Minimum of “C” in all required courses
• Please see the university requirements in the Undergraduate Catalog

21 semester credits in Sociology must be earned at ESU including:
SOC 254 Quantitative Analysis in Sociology, Social Work & Criminal Justice 3
SOC 255 Sociological Inquiry 3
SOC 312 Research Methods 3
SOC 370 Sociological Theory 3
SOC 495 Seminar 3

4 YEAR CURRICULUM PROGRAM PLAN

(Spring)

SOC 254 Quantitative Analysis in Sociology, Social Work & Criminal Justice 3

(Summer)

SOC 255 Sociological Inquiry 3
SOC 312 Research Methods 3
SOC 370 Sociological Theory 3
SOC 495 Seminar 3

(Fall)

SOC 312 Research Methods 3
OR SOC 370 Sociological Theory 3
SOC ___ Sociology Elective (300 or 400 level) 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3

(Spring)

SOC 312 Research Methods 3
OR SOC 370 Sociological Theory 3
SOC ___ Sociology Elective (300 or 400 level) 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3

(Senior Year Fall)

SOC 485 IS: 3
OR SOC 486 Field Work & Observation 1 - 15
XXXX ___ Free Electives 12

(Spring)

SOC 495 Seminar 3
XXXX ___ Free Electives 12

For more information, contact the department at 570-422-3453 or visit Stroud Hall, Room 101 570-422-3453. www.esu.edu/soc

Sociology Minor
18 Credits

The 18-credit minor in Sociology emphasizes developing the knowledge and skills necessary for students to think critically and imaginatively about social issues and to promote social betterment. The minor has four required courses: SOC 102 Introduction to Cultural Diversity, SOC 111 Introduction to Sociology, SOC 255 Sociological Inquiry and SOC 370

OR
SOC 255 Sociological Inquiry 3
SOC ___ Sociology Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3

Subtotal: 15

Spring

SOC 254 Quantitative Analysis in Sociology, Social Work & Criminal Justice 3

OR
SOC 255 Sociological Inquiry 3
SOC ___ Sociology Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3

Subtotal: 15

Junior Year Fall

SOC 312 Research Methods 3
OR
SOC 370 Sociological Theory 3
SOC ___ Sociology Elective (300 or 400 level) 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3
GenEd ___ General Education Elective 3

Subtotal: 15

Spring

SOC 312 Research Methods 3
OR
SOC 370 Sociological Theory 3
SOC ___ Sociology Elective (300 or 400 level) 3
XXXX ___ Free Elective 3
XXXX ___ Free Elective 3
XXXX ___ Free Elective 3

Subtotal: 15

Senior Year Fall

SOC 485 IS: 3
OR
SOC 486 Field Work & Observation 1 - 15
XXXX ___ Free Electives 12

Subtotal: 15

For more information, contact the department at 570-422-3453 or visit Stroud Hall, Room 101 570-422-3453. www.esu.edu/soc
The goals of the minor include the acquisition of knowledge about human diversity, social inequality, and the pursuit of social justice. The Sociology minor not only complements the Social Work and Criminal Justice majors offered in the department, but also many other majors across disciplines within the behavioral and social sciences, humanities, health sciences, education and management.

**PROGRAM FEATURES**

**Required courses:**
- SOC 102 GN: Introduction to Cultural Diversity 3
- SOC 111 GN: Introduction to Sociology 3
- SOC 255 Sociological Inquiry 3
- SOC 370 Sociological Theory 3

**Additional requirements:**
6 credits of Sociology electives. Eligible courses include:
- SOC 201 GN: The Comparison of Societies 3
- SOC 231 GN: Marriage and Family 3
- SOC 241 GN: Contemporary Social Problems 3
- SOC 290 Special Topics: Semester Hours Arranged 3
- SOC 331 Human Behavior and the Social Environment 3
- SOC 341 GE: Advanced Criminology 3
- SOC 342 GE: Juvenile Delinquency 3
- SOC 343 GE: Racial and Cultural Minorities 3
- SOC 344 Social Deviance 3
- SOC 372 Sociology of Religion 3
- SOC 374 Political Sociology 3
- SOC 377 GE: WS: Sociology of Women 3

Of these, no more than one can be taken below the 300 level.

**Criminal Justice Minor**

24 credits
The 24-credit minor in Criminal Justice emphasizes the knowledge and skills necessary for students to think critically and to develop beginning skills in the criminal justice field.

The goal of the Criminal Justice Administration program is to provide students with the educational background necessary to pursue careers in Criminal Justice, and/or to pursue graduate study in criminology, criminal justice, law, or other related fields. The Criminal Justice minor not only complements the Sociology and Social Work majors offered in the department, but also many other majors across various related professional fields and disciplines.

**Transfer Policy:**
1. No upper level (300 and 400 level) courses will be accepted from community or junior colleges for the Criminal Justice major or minor.
2. For Criminal Justice minor - a minimum of 15 credits must be taken at East Stroudsburg, and 300 and 400 level courses from four-year colleges are accepted only with permission of the department.

**PROGRAM FEATURES**

**Required courses:**
- SOC 341 GE: Advanced Criminology 3
- SOC 342 GE: Juvenile Delinquency 3
- SOC 486 Field Work & Observation 1 - 15
- SOCJ 150 Intro to Criminal Justice 3
- SOCJ 250 Corrections 3
- SOCJ 352 Police and Society 3
- SOCJ 350 The Criminal Process 3

**Electives:**
Three additional credits selected from the following recommended courses:
- CHEM 275 GN: Chemical Aspects of Drug and Alcohol Abuse 3
- MLSP 234 GN: Conversational Spanish for Social Services 3
- PHYS 107 GE: Physics and Forensic Science 3
- SOCJ 151 Introduction to Security 3
- SOCJ 251 Police Organization & Admin 3
- SOCJ 252 Organized Crime 3
- SOCJ 253 Violence in Society 3
- SOCJ 351 Police Investigation 3
- PSY 271 Forensic Psychology 3

**Social Work Minor**

24 credits
The 24-credit minor in Social Work emphasizes the knowledge and skills necessary for students to think critically and to develop beginning helping skills. The goal of the Social Work program is to provide students the educational background necessary for competent generalist social work practice in a range of human service settings and/or to pursue graduate study in social work or related disciplines. The Social Work minor not only complements the Sociology and Criminal Justice majors offered in the department, but also many other majors across various professional helping fields and disciplines in the behavioral, social and health sciences.

**PROGRAM FEATURES**

**Required courses:**
- SOSW 140 Foundations of Social Work Practice 3
- SOC 310 GE: Introduction to Social Welfare Policy & Services 3
- SOC 331 Human Behavior and the Social Environment 3
- SOSW 371 Social Work with Individuals and Families 3
- SOSW 372 Social Work with Groups 3
- SOC 486 Field Work & Observation: Semester Hours Arranged 3

**Electives:**
6 credits from
- SOSW 321 Helping Philosophy & Methods 3
- SOSW 325 Crisis Intervention 3
- SOSW 326 Child Welfare Services 3
- SOSW 373 Social Work with Communities and Organizations 3

**Additional requirements:**
2.5 GPA in the minor, Directed GE:
- SOC 111 GN: Introduction to Sociology 3

**Sociology, Social Work & Criminal Justice Faculty**

**Professors:**
- Laurene Clossey (lclossey@esu.edu)
- Chin Hu (chu@esu.edu)
- John Kraybill-Greggo, Chair (jkgreggo@esu.edu)
- Reto Muller (rmuller@esu.edu)
- Hooshang Pazaki (shpazaki@esu.edu)
- Van Reidhead (vreidhead@esu.edu)

**Associate Professors:**
- Marianne Cutler (mcutler@esu.edu)
- Michelle Deninno DiLauro (mdilauro@esu.edu)
This course introduces students to the sociological study of social problems related to health care, crime, poverty, and inequality as it pertains to race, class, gender, age and sexual orientation. The course will primarily examine the role sociology plays in the larger society, consider the theories and research methods used by sociologists, and develop skills needed for a rewarding academic career as a major in our department. The course is also designed to help students sharpen their analytic and critical thinking skills as well as become more effective writers, listeners, and participants in the sociologically examined life. Distribution: Advanced. Prerequisite: SOC111.

SOC 255 - Sociological Inquiry (3 credits)
This course will familiarize students with the sociological perspective, the history of sociology, and major contemporary sociological paradigms and their historical roots. We will examine the role sociology plays in the larger society, consider the theories and research methods used by sociologists, and develop skills needed for a rewarding academic career as a major in our department. The course is also designed to help students sharpen their analytic and critical thinking skills as well as become more effective writers, listeners, and participants in the sociologically examined life. Distribution: Advanced. Prerequisite: SOC111.

SOC 265 - GN: Culture & Society in the Middle East (3 credits)
This course provides the sociological perspectives on cultural practices and social institutions of the Middle Eastern societies. This course will discuss the regional and global forces that have shaped the Middle Eastern societies and cultures. More specifically, this course will cover topics such as the role of colonialism, religion, ethnicity, gender roles and family in the Middle East. Distribution: GE:Social Sciences - Sociology | GN: Group C - Sociology (CSO) | Global Diversity & Citizenship (G).

SOC 270 - GN: The Comparison of Societies (3 credits)
This course examines the nature of social phenomena, fields and methods of sociology, and social processes involved in the evolution of human society. Distribution: GE:Social Sciences - Sociology | GN: Group C - Sociology (CSO) | Global Diversity & Citizenship (G).

SOC 280 - Sociological Perspectives in Globalization (3 credits)
This course provides the sociological perspectives on cultural practices and social institutions of the Middle Eastern societies. This course will discuss the regional and global forces that have shaped the Middle Eastern societies and cultures. More specifically, this course will cover topics such as the role of colonialism, religion, ethnicity, gender roles and family in the Middle East. Distribution: GE:Social Sciences - Sociology | GN: Group C - Sociology (CSO) | Global Diversity & Citizenship (G).

SOC 291 - GN: Contemporary Social Problems (3 credits)
This course introduces students to the sociological study of social problems facing contemporary American society. It explores the social, political, and cultural causes, consequences, and possible solutions to social problems related to health care, crime, poverty, and inequality based on social class, racial and ethnic background, gender, and sexual orientation.

Distribution: GE: Social Sciences - Sociology | GN: Group C - Sociology (CSO) | Global Diversity & Citizenship (G).

SOC 294 - Quantitative Analysis in Sociology, Social Work & Criminal Justice (3 credits)
This course is designed to introduce the basics of quantitative analysis to students majoring in sociology, social work, and criminal justice. The main emphasis will be on the applications of the quantitative methods and the interpretation of results in sociological, social work, and criminal justice reports and writings. Students will learn the logic and the applications of quantitative methods of data analysis that are commonly used in sociology, social work, and criminal justice. Distribution: GE: Social Sciences - Sociology; Advanced. Prerequisite: SOC111; satisfaction of Math Competency Requirement.

SOC 302 - Social Inequality, Crime and Justice (3 credits)
The course will utilize a structural and interactional approach to understanding notions of power that produce and reinforce inequality in the American criminal justice system. The course will primarily examine inequality as it pertains to race, class, gender, age and sexual orientation within this social institution. Distribution: Advanced. Prerequisite: SOC111, SOC150 and 1 additional 200-300 level criminal justice or sociology course.

SOC 310 - GE: Introduction to Social Welfare Policy & Services (3 credits)
This course is designed to provide an overview of U.S. social welfare policy and service delivery. Major social welfare policies and programs will be highlighted and policy practice skills including the analysis of social welfare policy emphasized. Students will critically analyze the adequacy of various social welfare policies and programs.

Distribution: GE: Social Sciences - Sociology; Advanced. Prerequisite: SOC111.

SOC 312 - Research Methods (3 credits)
This course examines procedures for planning, organizing, and conducting qualitative and quantitative sociological research projects. Students will acquire the skills to implement research using a variety of methods, topics, and methods of data analysis that are commonly used in sociology, social work, and criminal justice. Distribution: Advanced. Prerequisite: SOC111.
methodologies, including surveys, interviews, and ethnographic field research. Distribution: Advanced | Information Literacy/Technology (I) | Level II Writing (W2). Prerequisite: SOC111 AND SOC254.

**SOC 331 - Human Behavior and the Social Environment (3 credits)**
This course examines biopsychosocial development throughout the lifespan. The social systems in which human development unfolds will be emphasized in the course as will the manner in which these can impair or foster health, happiness, and optimal adjustment across the lifespan. Distribution: Advanced. Prerequisite: SOC111.

**SOC 333 - Chinese Culture and Society (3 credits)**
This course introduces students to the cultural practices, social institutions and social changes in Chinese society. Students will engage in a sociological analysis to understand the social, political and economic forces that shape the lives of individuals in Chinese society. More specifically, the course examines topics such as the impact of population policy on family, ethnic relations and conflicts, rural-urban migration, gender norms, political and economic developments and resistance movements. Distribution: Advanced. Prerequisite: SOC111 AND SOC201 OR SOC280.

**SOC 338 - Sociology of Poverty & Homelessness (3 credits)**
This course focuses on helping students develop an understanding of the dimensions of poverty and homelessness in the United States and explores the implications for distributive justice. Students will assess the effectiveness of the social policies and programs created to combat poverty and homelessness and participate in course-based service-learning and social action projects. Distribution: Advanced. Prerequisite: SOC111 AND SOC310.

**SOC 341 - GE: Advanced Criminology (3 credits)**
This course is an examination of theories of crime causation, demographic characteristics of criminals, the history of theories of punishment, and modern reformatory and rehabilitative methods. Distribution: GE:Social Sciences - Sociology; Advanced. Prerequisite: SOC 111 (C), SOC 217 (C).

**SOC 342 - GE: Juvenile Delinquency (3 credits)**
This course is a study of the delinquent as a person and juvenile delinquency as a social problem and theories of delinquent causation, methods of correctional treatment and community preventive projects will be systematically studied. Distribution: GE:Social Sciences - Sociology; Advanced. Prerequisite: SOC 111 (C), SOCJ 150 (C), SOCJ 216 (C).

**SOC 343 - GE: Racial and Cultural Minorities (3 credits)**
This course examines dominant-minority relations in the U.S. Special emphasis will be placed on how social, economic, and political power and privilege help create and perpetuate prejudice and discrimination. As America becomes more racially and culturally diverse, we need to make a greater effort to understand, respect, and benefit from the diversity around us. This course is intended to help students discover these benefits as well as deal with the challenges that go hand in hand with an increasingly multicultural society. Distribution: GE:Social Sciences - Sociology; Advanced. Prerequisite: SOC111.

**SOC 344 - Social Deviance (3 credits)**
This course will explore how and why certain acts come to be defined as deviant. Students will examine how deviance is defined, how the “actors” are maintained and how violators of the definitions are processed and treated. A historical analysis of political processes that inform the evolution modification and enforcement of “deviant” categories will be discussed through the lens of various sociological perspectives.

**SOC 345 - Sociology of Sexuality (3 credits)**
This course will examine individual and societal perceptions of, practices toward, and reactions to sexuality. Social context and power, especially as they pertain to issues of gender, race and sexual orientation, will be examined as they affect sexual identity and expressions of sexuality. The relative influence of physiology and learning processes will be explored as well. Distribution: Advanced. Prerequisite: SOC111.

**SOC 363 - Social Stratification and Inequality (3 credits)**
This course is designed to introduce students to the knowledge of the structure, processes, and consequences of social stratification in modern society. Social stratification and inequality concern the unequal distribution of resources whereby some groups come to receive more of these scarce resources than are received by others. The class considers recent research on income and wealth inequality, occupational and class hierarchies, social mobility, life chances and life style for various social classes, racial/ethnic groups, and genders. Prerequisite: SOC 111 Introduction to Sociology (C or higher).

**SOC 370 - Sociological Theory (3 credits)**
This course is designed to give the student an overview of sociological theory. Students will be introduced to a wide range of theories and theoretical orientations and the major theorists associated with them. The course covers both classical and contemporary sociological theory. Special emphasis is placed on the strengths and weaknesses of each approach and the link between theory and substantive research. Distribution: Advanced | Information Literacy/Technology (I) | Level II Writing (W2). Prerequisite: SOC111 AND SOC251.

**SOC 372 - Sociology of Religion (3 credits)**
This course explores religion in its varied manifestations as a social institution, as a cultural practice, and as a pattern of beliefs and practices that are shaped by and, in turn, shape societal conditions. Emphasis is placed on the role of religion in the public arena (political, the economical, and popular media), religious pluralism and conflict, the impact of race, gender, and social class on religion and the ongoing debate over the appropriate role of religion in social life. Distribution: Advanced. Prerequisite: SOC111 AND SOC102.

**SOC 374 - Political Sociology (3 credits)**
This course is the study of the social causes and consequences of given power distributions within or between societies and of the conflicts that lead to changes in the allocation of this power. The social backgrounds of extremist movements and of the "True Believers" that join them will be analyzed. Distribution: Advanced. Prerequisite: SOC111.

**SOC 377 - GE: WS: Sociology of Women (3 credits)**
This course is specially designed to afford the student and/or professional person an open and non-threatening opportunity to examine both societal and personal sex role stereotyping and the attendant societal mechanisms by which these roles are mandated and enforced. A brief survey of women in society will be followed by an in-depth look at the women’s movement and institutional change. Distribution: GE: Social Sciences - Sociology; Advanced. Prerequisite: SOC111.

**SOC 378 - GE: American Community (3 credits)**
This course examines the nature, structure, and functions of the community. It includes a study of the inter-relations of major institutions in the community; attention is directed to the city, the small town, and the rural community.
Distribution: GE: Social Sciences - Sociology; Advanced. Prerequisite: SOC111.

**SOC 390 - Field Work & Observation (3 credits)**
This course is designed to provide the student with the opportunity to obtain practical experience with an agency in the community. Supervision will be given by both the community agency and the instructor. Periodic meetings will be held to discuss the experience.
Distribution: Advanced. Prerequisite: SOC111.

**SOC 485 - IS: (3 credits)**
This course consists of directed research and study on an individual basis.
Level III Writing (W3). Prerequisite: SOC111 AND SOC412 AND SOC472.

**SOC 486 - Field Work & Observation (1 - 15 credits)**
This course is designed to provide the student with the opportunity to obtain practical experience with an agency in the community. Supervision will be given by both the community agency and the instructor. A weekly seminar class will be held with the instructor to discuss the experience.
Distribution: Advanced.

**SOC 487 - Foreign Study I (3 credits)**
This course consists of a study trip to observe at first hand the metamorphosis of postwar Europe, a study of the history and governmental systems of Western European countries, their economic growth and integration through the common market, investigation of the social environment on a formal and informal basis, and a general study of Western Europe in the post-war world.
Distribution: Advanced.

**SOC 488 - Foreign Study II (3 credits)**
This course consists of a study trip to observe at first hand the metamorphosis of postwar Europe, a study of the history and governmental systems of Western European countries, their economic growth and integration through the common market, investigation of the social environment on a formal and informal basis, and a general study of Western Europe in the post-war world.
Distribution: Advanced.

**SOC 490 - Social Implications Computers (3 credits)**
This course presents concepts on how computers impact our lives and our society. It provides a framework for professional activity that involves explicit consideration of the social impacts of computers and presents tools and techniques which are applicable to the problems posed by the social implications of computers.
Distribution: Advanced. Prerequisite: CPSC111 AND CPSC112 AND CPSC231 AND CPSC251.

**SOC 495 - Seminar (3 credits)**
This course consists of discussion and intensive study of selected topics, issues, problems, and research investigations.
Distribution: Advanced. Level III Writing (W3). Prerequisite: SOC111 AND SOC412 AND SOC472.

**SOC 498 - WS: Seminar Women's Studies (3 credits)**
This course consists of discussion and intensive study of selected topics, issues, problems, and research investigations.
Distribution: Advanced.

---

**Special Education and Rehabilitation**

**College of Education**
Stroud Hall Room 108
570-422-3558
www.esu.edu/sped

This degree program prepares candidates to teach students with mild to severe disabilities as well as working with parents, general educators, and related service personnel.

The programs in Special Education reflect a curriculum that combines existing and emerging theory and best practices based upon a conceptual framework that develops educators who are reflective and deliberate decision makers.

Beginning educators develop knowledge, process, and professionalism. Graduates of Special Education/Dual Certificate programs will be eligible to apply for certification to teach students in grades Pre-K to 4, 4 to 8, or 7 to 12 with specific content, depending on their area of specialization, in addition to teaching special education in Pre-K to grade 12.

The department offers the Integrated Program of studies cooperatively with the Departments of Early Childhood and Elementary Education and Professional and Secondary Education, leading to certification in both Special Education Early Childhood, Middle Level Education or 7 to 12.

All teacher education candidates should be in frequent consultation with their academic advisors to make sure they are meeting the appropriate program and certification requirements which will vary depending on a variety of circumstances.

**Student Organizations**

**The Council for Exceptional Children (CEC)**

is a campus group that is part of an international organization that promotes quality programs for individuals with disabilities. CEC provides great opportunities to meet fellow special educators and work with individuals of all ages who have disabilities. Some of the CEC activities include:

- Visiting adults with intellectual disabilities at a local state development center
- Helping with Special Olympics
- Tutoring at-risk students
- Scheduling guest speakers to present information about current special education topics
- Attending a state-level CEC conference

Sigma Pi Epsilon Delta

is the national Honor Society for special education and rehabilitation majors. After completion of 9 credits of special education major coursework and with two recommendation letters, students may apply to join the honorary. Interested applicants must have earned an overall cumulative quality point average of 3.25 or higher in addition to 50 hours of working with individuals with disabilities. Honor society members support activities for individuals with disabilities in the community.

**Best Buddies**
is an international organization that enhances the lives of people with intellectual disabilities by providing opportunities for one-to-one friendships and integrated employment. At East Stroudsburg University, we match university students and individuals with intellectual disabilities throughout the community in one-to-one friendships.

**Rehabilitative Services Student Organization (RSSO)** is the organization for majors in Rehabilitative and Human Services. Members of the organization host speakers from adult service agencies and provide services from area rehabilitation agencies. Our organization is also an active supporter of the Pennsylvania Rehabilitation Association, which is the state chapter of the National Rehabilitation Association.

**Scholarships**
Several scholarship opportunities are available to ESU students majoring in Special Education or Rehabilitative Services:
- Dr. John Kovalkoski Memorial Scholarship
- Class of 1937 Scholarship
- Class of 1938 Scholarship
- Class of 1940 Scholarship
- Class of 1942 Scholarship
- Class of 1945 Scholarship
- Class of 1954 Scholarship
- Class of 1955 Scholarship
- SOAR Scholarship

For application deadlines and procedures, contact the Special Education and Rehabilitation Department at 570-422-3558, or visit Stroud Hall, Room 108 or www.esu.edu/sped.

About the Program
- Special Education Pre-K-8 with Dual Certification in Pre-K-4
- Special Education Pre-K-8 with Dual Certification in Middle Level (4-8)
- Special Education 7-12 with Dual Certification in Secondary Content

Special Education is an exciting and rewarding field and one that is also challenging and demanding. ESU is renowned for producing outstanding special education teachers who improve the lives of individuals with disabilities.

The Special Education Dual Certification programs at ESU prepare special education teachers to teach children with mild to severe disabilities and to work with parents, general educators, and related service personnel. ESU’s Special Education programs reflect the latest research into best practices and a conceptual framework that develops educators who are reflective and deliberate decision makers.

In February 2010, ESU’s dual Special Education programs received the highest level of praise from Pennsylvania’s Department of Education (PDE) for developing outstanding programs to prepare special educators to teach Pre-Kindergarten (Pre-K) through 8th grade. PDE also recommended these programs as models for other universities to follow.

Graduates of the Special Education/Dual Certification programs will be eligible to apply for certification to teach general education students in either Pre-K through 4th grade, 4th through 8th grades, or 7th through 12th grades, in addition to teaching students with disabilities in Pre-K through 8th grade or 7 through 12th grades. Requirements will vary based on program entry and completion dates. Check with the department for details.

Are you interested in...
- Working with children and youth who have various disabilities
- Becoming involved in the academic, behavioral, and social development of students
- Teaching life skills and providing career counseling to students

Why choose Special Education Dual Certification Programs at ESU?
- Qualified, experienced faculty
- Small class sizes
- Practical experiences
- NCATE accredited programs

Is a Special Education Dual Certification Program a career path for me?

Career Potential
- Special education teacher
- Early Intervention teacher
- Elementary school teacher
- Middle school teacher
- Secondary school teacher
- Teacher’s assistant
- Child care worker
- Transition coordinator

More detailed career information is available from the department.

Department Admissions
Please refer to the section The College of Education in this catalog for specific requirements for admission into teacher education programs. Majors should meet regularly with their academic advisor in order to discuss and monitor major requirements and procedures for admission into each program. Information on requirements and procedures on admittance are available in the department student handbook available in the department office.

Student Teaching
One semester of student teaching is required for certification in Special Education. Students must have a 3.0 or higher GPA prior to graduation from ESU in the State of Pennsylvania. In addition, all students must pass the required PRAXIS certification tests required through the Pennsylvania Department of Education.

Special Education PreK-8 Certification
with Dual Certificate in Middle-Level (4-8)

PROGRAM FEATURES
135-137 Credits (includes 18-20 credit content area concentration)

Changes to the current program requirements have been submitted for approval and are under review. Please see your advisor or the department chair if you have any questions.

Required general education courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 104</td>
<td>English Composition for Secondary English</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>and Middle Level Majors</td>
<td></td>
</tr>
<tr>
<td>ENGL 188</td>
<td>GN: Mystery Fiction</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 190</td>
<td>GN: Multicultural American Literature</td>
<td>3</td>
</tr>
<tr>
<td>BIOI 105</td>
<td>GN: General Biology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 115</td>
<td>GN: Chemistry, Molecules and Life</td>
<td>3</td>
</tr>
<tr>
<td>MATH 105</td>
<td>Mathematical Problem Solving for Pre-K to</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Grade 8 Education Majors</td>
<td></td>
</tr>
<tr>
<td>MATH 205</td>
<td>Geometry for Pre-K to Grade 8 Education</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 105</td>
<td>GN: Physics for the Inquiring Mind</td>
<td>3</td>
</tr>
<tr>
<td>ECON 111</td>
<td>GN: Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 120</td>
<td>GN: Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 111</td>
<td>GN: World History to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 141</td>
<td>GN: United States History to 1877</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Professional Education courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSED 161</td>
<td>Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>PSED 244</td>
<td>Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>REED 315</td>
<td>Scaffolding Language and Literacy Development for Students with Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>REED 340</td>
<td>Teaching Reading in the Middle School</td>
<td>3</td>
</tr>
<tr>
<td>REED 350</td>
<td>Teaching Reading to Communities of Diverse</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Learners</td>
<td></td>
</tr>
<tr>
<td>MATH 110</td>
<td>GN: General Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 130</td>
<td>GN: Applied Algebraic Methods</td>
<td>3</td>
</tr>
<tr>
<td>MATH 135</td>
<td>GN: Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 412</td>
<td>Teaching of Writing in the Secondary and</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Middle Schools</td>
<td></td>
</tr>
<tr>
<td>ENGL 499</td>
<td>Student Teaching Internship</td>
<td>1</td>
</tr>
</tbody>
</table>
NOTE: MATH 130 (Math, SS, Eng. concentration)
NOTE: MATH 135 (Science concentration only)

1 credit in area of concentration:
HIST 499 Student Teaching Internship 1
PHYS 499 Student Teaching Internship 1
MATH 499 Student Teaching Internship 1

Required courses:
ELED 350 Middle School Methods 3
ELED 431 Student Teaching in Middle Level Education 6
ELED 450 Seminar in Middle School Methods 3
PSED 430 Student Teaching in Secondary Education/ Middle School/Junior High School 6
SPED 102 Diversity of the Learner 3
SPED 105 Special Education History and Law 3
SPED 201 Assessment and Evaluation in Special Education 3
SPED 214 Positive Behavior Support 3
SPED 215 Instructional Planning in Special Education 3
SPED 313 Curriculum and Instruction for Students with High Incidence Disabilities 3
SPED 314 Curriculum and Instruction for Students with Low Incidence Disabilities 3
SPED 351 Collaboration for Inclusion 3

Required concentration:
Student selects a minimum of 18 credits of in depth work in one content area (see academic adviser for selection): English/Language Arts/ Reading; Social Studies; Science (Choice 1); Science (Choice 2); Math (Choice 1); Math (Choice 2)

4 YEAR CURRICULUM PROGRAM PLAN
(Subject to change by university without notice)

Freshman Year Fall
PSED 161 Foundations of Education 3
SPED 102 Diversity of the Learner 3
MATH 105 Mathematical Problem Solving for Pre-K to Grade 8 Education Majors 3
ENGL 104 English Composition for Secondary English and Middle Level Education Majors 3
FYE 100 University Studies 3
Subtotal: 15

Spring
SPED 105 Special Education History and Law 3
GEOG 120 GN: Physical Geography 3
MATH 205 Geometry for Pre-K to Grade 8 Education Majors 3
HIST 111 GN: World History to 1500 3
HIST 141 GN: United States History to 1877 3
Samtel: 18

General Education Elective: ENGL
ENGL 173 GN: Literature Of War 3
ENGL 174 GN: Literature and Religion 3
ENGL 175 GN: Biblical Literature 3
ENGL 177 GN: Environmental Literature 3
ENGL 178 GN: Horror And Fantasy 3
ENGL 180 GN: Literature and Science 3
ENGL 182 GN: Literature of Sport and Games 3
ENGL 183 GN: WS: Women In Literature 3
ENGL 188 GN: Mystery Fiction 3
Subtotal: 18

Sophomore Year Fall
SPED 201 Assessment and Evaluation in Special Education 3
SPED 214 Positive Behavior Support 3

MATH 110 GN: General Statistics 3
XXXX ____ Major Concentration #1 3
GenEd ____ General Education Elective - Humanities #3 3
Subtotal: 15

Humanities General Education Elective: (Fine or Performing Arts, Modern Language or Philosophy)

Spring
SPED 215 Instructional Planning in Special Education 3
ENGL 190 GN: Multicultural American Literature 3
MATH 130 GN: Applied Algebraic Methods 3
OR
MATH 135 GN: Pre-Calculus 3
CHEM 115 GN: Chemistry, Molecules and Life 3
OR
CHEM 104 GN: Chemistry for the Consumer 3
Subtotal: 18

MATH 130: (Math, SS, Eng. concentration)
MATH 135: (Science concentration only)

Junior Year (Co-Department Admittance) Fall
SPED 314 Curriculum and Instruction for Students with Low Incidence Disabilities 3
PHYS 105 GN: Physics for the Inquiring Mind 3
ECON 111 GN: Principles of Macroeconomics 3
BIOL 105 GN: General Biology 3
XXXX ____ Major Concentration #3 3
XXXX ____ Major Concentration #4 3
Subtotal: 18

Spring
SPED 313 Curriculum and Instruction for Students with High Incidence Disabilities 3
REED 340 Teaching Reading in the Middle School 3
ELED 350 Middle School Methods 3
ENGL 412 Teaching of Writing in the Secondary and Middle Schools 3
GenEd ____ General Education Elective - Humanities #3 3
Subtotal: 18

Senior Year Fall
REED 315 Scaffolding Language and Literacy Development for Students with Disabilities 3
SPED 351 Collaboration for Inclusion 3
REED 350 Teaching Reading to Communities of Diverse Learners 3
ELED 450 Seminar in Middle School Methods 3
XXXX ____ Major Concentration #6 3
GenEd ____ General Education Elective - Humanities #3 3
Subtotal: 18

Spring
ELED 430 Student Teaching in Elementary Education And 6
SPED 420 Student Teaching in Special Education - Part I 6
OR
PSED 430 Student Teaching in Secondary Education/ Middle School/Junior High School And 6
SPED 420  Student Teaching in Special Education - Part I  6

XXX 499 1 credit in area of concentration

HIST 499  Student Teaching Internship  1
ENGL 499  Student Teaching Internship  1
PHYS 499  Student Teaching Internship  1
MATH 499  Student Teaching Internship  1

Subtotal: 13

For more information, contact the department at 570-422-3558 or visit www.esu.edu/sped.

**Special Education B.S. - Pre-K-8 Certification with Dual Certification in Pre-K-4**

**PROGRAM FEATURES**

135 Credits

**Required general education courses:**

- ENGL 103  English Composition  3
- **ENGL __**  GE: English Literature  3
- MATH 105  Mathematical Problem Solving for Pre-K to Grade 8 Education Majors  3
- MATH 205  Geometry for Pre-K to Grade 8 Education Majors  3
- SOC 102  GN: Introduction to Cultural Diversity  3
- PSY 105  GN: Infant and Early Childhood Developmental Psychology  3

**Required Professional Education courses:**

- PSED 161  Foundations of Education  3
- SPED 102  Diversity of the Learner  3
- REED 314  Foundations of Reading for the Developing Child  3
- REED 315  Scaffolding Language and Literacy Development for Students with Disabilities  3
- ECED 232  Child Development and Cognition  3
- ECED 262  Intro to Early Childhood Educ  3
- ECED 321  Enhancing Language and Cognitive Development  3
- ECED 322  Family and Community Partnerships  3
- ECED 323  Integrating the Curriculum: Projects and Play  3
- ECED 331  Teacher as Researcher  3
- ECED 332  Language Arts for Academic Success  3
- ECED 333  Math I: Investigations and Integration  3
- ECED 334  Designing and Managing the Early Childhood Literacy Environment  3
- ECED 411  The Arts for the Developing Child  3
- ECED 412  Math for Academic Success  3
- ECED 413  Science for the Developing Child  3
- ECED 414  Social Studies for the Developing Child  3
- ECED 430  Student Teaching in Early Childhood Education I  6
- SPED 105  Special Education History and Law  3
- SPED 201  Assessment and Evaluation in Special Education  3
- SPED 214  Positive Behavior Support  3
- SPED 215  Instructional Planning in Special Education  3
- SPED 313  Curriculum and Instruction for Students with High Incidence Disabilities  3
- SPED 314  Curriculum and Instruction for Students with Low Incidence Disabilities  3
- SPED 315  Collaboration for Inclusion  3
- SPED 420  Student Teaching in Special Education - Part I  6

**4 YEAR CURRICULUM PROGRAM PLAN**

(Subject to change by university without notice)

**Freshman Year Fall**

- PSED 161  Foundations of Education  3
- SPED 102  Diversity of the Learner  3
- FYE 100  University Studies  3
- GenEd __  General Education Elective  3
- GenEd __  General Education Elective  3

Subtotal: 15

**Spring**

- SPED 105  Special Education History and Law  3
- ECED 232  Child Development and Cognition  3
- MATH 105  Mathematical Problem Solving for Pre-K to Grade 8 Education Majors  3
- ENGL __  ENGL Literature GenEd Elective  3
- GenEd __  General Education Elective  3
- GenEd __  General Education Elective  3

Subtotal: 18

**Sophomore Year Fall**

- SPED 201  Assessment and Evaluation in Special Education  3
- SPED 214  Positive Behavior Support  3
- MATH 205  Geometry for Pre-K to Grade 8 Education Majors  3
- PSY 105  GN: Infant and Early Childhood Developmental Psychology  3
- GenEd __  General Education Elective  3

Subtotal: 18

**Spring**

- SPED 215  Instructional Planning in Special Education  3
- ECED 263  Foundations of Early Childhood Education  3
- SOC 102  GN: Introduction to Cultural Diversity  3
- GenEd __  General Education Elective  3
- GenEd __  General Education Elective  3
- GenEd __  General Education Elective  3

Subtotal: 18

**Junior Year Fall**

- SPED 314  Curriculum and Instruction for Students with Low Incidence Disabilities  3
- ECED 321  Enhancing Language and Cognitive Development  3
- ECED 322  Family and Community Partnerships  3
- ECED 323  Integrating the Curriculum: Projects and Play  3
- ECED 333  Math I: Investigations and Integration  3
- ECED 334  Designing and Managing the Early Childhood Literacy Environment  3

Subtotal: 18

**Spring**

- SPED 313  Curriculum and Instruction for Students with High Incidence Disabilities  3
- REED 314  Foundations of Reading for the Developing Child  3
- ECED 411  The Arts for the Developing Child  3
- ECED 414  Social Studies for the Developing Child  3
- GenEd __  General Education Elective  3

Subtotal: 15

**Senior Year Fall**

- REED 315  Scaffolding Language and Literacy Development for Students with Disabilities  3
- ECED 332  Language Arts for Academic Success  3
- SPED 351  Collaboration for Inclusion  3
- ECED 412  Math for Academic Success  3
SPED 102 - Diversity of the Learner (3 credits)
This course provides opportunities for students to understand the diversity of learners in the twenty-first century classroom. This course will cover the use of Universal Design for Learning to meet the unique needs of all learner including those with exceptionalities and language/cultural differences. Students will be asked to reflect on their background and personal attitudes regarding inclusion and diversity and will have opportunities to refine their professional development goals after completing field experiences.

SPED 105 - Special Education History and Law (3 credits)
The purpose of this course is to develop a foundation of understanding of the past and present perspective of individuals with disabilities and how this history had led to special education legislation and law. The course will develop knowledge about the nature and needs of learners with exceptionalities and their families, recognition of the existing and emerging models of services and the educational law supporting the individual's rights to an appropriate education. All students are required to complete 20 hours of field experience. Proof of appropriate clearances is required. Prerequisite: PSED150.

SPED 201 - Assessment and Evaluation in Special Education (3 credits)
This course emphasizes the legal, ethical and procedural issues involved in the assessment process in special education. Basic measurement procedures, the referral to placement process, administration of formal/informal measures, and instructional planning concepts in general and special education will be addressed.

SPED 210 - Learning Disabilities (3 credits)
This course considers service delivery options, etiologic factors, and characteristics of students with specific learning disabilities. Metacognitive approaches to diagnosis and intervention are explored with emphasis on adapting instruction for diverse learning styles of individuals with learning disabilities in general and special education settings.

SPED 214 - Positive Behavior Support (3 credits)
This course addresses all elements of effective classroom management which emphasizes behavior reduction strategies that are consistent with a positive behavioral support approach. All elements of conducting a functional assessment in developing a behavioral support plan for school and/or employment settings are addressed. (Cross-listed with SPRE 214.) Prerequisite: SPED105.

SPED 215 - Instructional Planning in Special Education (3 credits)
This course addresses the planning process for students with high and low incidence disabilities and gifted and talented for multiple school settings within the continuum of services. Lesson planning, unit planning, IEP/IFSP planning and writing are key elements developed in this course with an emphasis on collaboration with other teaching and non-teaching staff members. Students are required to participate in an on-campus tutoring. Distribution: Advanced. Prerequisite: SPED105 AND SPED201 AND SPED214.

SPED 232 - Child Development & Cognition (3 credits)
This course addresses the planning process for students with high and low incidence disabilities and gifted and talented for multiple school settings within the continuum of services. Lesson planning, unit planning, IEP/IFSP planning and writing are key elements developed in this course with an emphasis on collaboration with other teaching and non-teaching staff members. Students are required to participate in an on-campus tutoring.

SPED 271 - Recreation for Individuals with Exceptionalities (3 credits)
This course provides the student with an opportunity to participate in an on-site outdoor education program for local school aged children with exceptionalities. Emphasis on special recreational services include the development, supervision and administration of programs for all types of exceptionalities. (Cross-listed with SPRE 271) Prerequisite: SPED103.

SPED 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

SPED 313 - Curriculum and Instruction for Students with High Incidence Disabilities (3 credits)
This course addresses curriculum development and instructional approaches for students with high incidence disabilities, with an emphasis on academic and behavioral education in multiple school settings within the continuum of services. Students will apply a systematic approach to planning and delivery of instruction, which includes assessment data to create instructional programs within the general curriculum, comprehensive evaluation strategies, and generating instructional decisions based on assessment and performance data. Students choose, evaluate and construct instructional materials. There are 15 hours of fieldwork which are required. Distribution: Advanced. Prerequisite: SPED105 AND SPED201 AND SPED214, Department Screening.

SPED 314 - Curriculum and Instruction for Students with Low Incidence Disabilities (3 credits)
This course addresses curriculum development and instructional approaches for students with significant, low incidence disabilities, with an emphasis on functional education in school and community based settings. Students will apply a systematic approach to planning and delivery of instruction, which includes person centered planning and general case instruction. 15 hours of fieldwork is required. Distribution: Advanced.

SPED 315 - Scaffolding Language and Literacy Development for Students with Disabilities (3 credits)
This course, which is cross-listed as REED 315, prepares pre-service special education teachers to provide effective literacy instruction to students with mild to severe language, reading, and writing disabilities. The course emphasizes research-based assessment and instructional techniques that scaffold the development of language and literacy skills for students with disabilities. IEP elements related to assessing skills, planning goals, and
monitoring progress for students with language and literacy disabilities, elements related to their Individualized Education Plans (IEPs) are featured. This course is required for students seeking certification in Special Education.

**SPED 350 - Assessment of Student Learning and Behavior in Diverse Communities (3 credits)**
This course, which is cross-listed as REED 315, prepares pre-service special education teachers to provide effective literacy instruction to students with mild to severe language, reading, and writing disabilities. The course emphasizes research-based assessment and instructional techniques that scaffold the development of language and literacy skills for students with disabilities. IEP elements related to assessing skills, planning goals, and monitoring progress for students with language and literacy disabilities, elements related to their Individualized Education Plans (IEPs) are featured. This course is required for students seeking certification in Special Education.
Distribution: Advanced.

**SPED 351 - Collaboration for Inclusion (3 credits)**
This course examines research-based effective practices that promote successful inclusion for students and adults in school and community settings. The course will also explore the functions of collaboration and consultation with co-teachers and other school personnel. Collaboration, co-teaching, cooperative learning, adaptations/modifications, differentiated instructional delivery models and practical philosophical approaches to collaboration for inclusion are explored as well as legal and ethical issues related to inclusive practices will be explored. Weekly field experiences in a Professional Development School will emphasize the application of course content and instructional theories to teaching.
Prerequisites: All Sped/Integrated/area of concentration students must complete all required 200 level classes as well as department screening prior to enrollment. Non-major students must have permission of instructor.
Distribution: Advanced.

**SPED 420 - Student Teaching in Special Education - Part I (6 credits)**
This course entails fifteen weeks of guided teaching of individuals with exceptionalities. Prerequisite: Departmental approval which is obtained when all requirements described under the Student Teaching section in this catalog have been completed, a minimum of 2.8 cumulative average in the major.
Distribution: Advanced.

**SPED 485 - IS: (3 credits)**
This course consists of directed research and study on an individual basis. The student wishing independent study must contact a member of the Department of Sociology who is willing to supervise the study. The student’s request for independent study must.
Distribution: Advanced.

**SPED 486 - Field Experience and Internship (12 credits)**
This course consists of at least one field experience placement with populations having physical or mental disabilities in various agencies, developmental centers, rehabilitation facilities, and the like that serve the needs of that population throughout the tri-county area. Assignments in other geographical areas will be utilized by the department when deemed appropriate. Field experience supervision will be provided by the faculty of Special Education and Rehabilitation.
Distribution: Advanced.

---

**Sport Management**

**College of Business and Management**
**The Faculty of Sport Management**
210 Zimbar/Koehler Fieldhouse
570-422-3495
www.esu.edu/smgt

**About the Program**
The Department of Sport Management offers a bachelor of science degree with a major in Sport Management. This program prepares students for professional careers in the sports management industry. The program provides students with many options and considerable flexibility in course selection, depending on interest and goals. Course offerings are extensive and there are opportunities for internships in professional sports, college athletics, amateur and Olympic athletics, and recreation sport.

**Sport Management Club**
The Sport Management Club convenes undergraduate and graduate students to exchange ideas, promote sport management, advance the professional interests of its members, and foster a closer relationship among its members and with other campus groups. The club is open to all majors.

**Are you interested in...**
- Sports & Athletics
- Working with others in a dynamic environment

**Choose Sport Management at ESU**
- Expert, experienced faculty
- Guest speakers from the world of sports business
- Off-campus internship experience
- Sport Management Club

**Is Sport Management a career path for me?**
**Career Potential**
- Stadium / arena management
- Team / league management
- Sport marketing
- Ticketing & Sales

**Career Settings**
- Professional sport teams and leagues
- School athletic departments
- College recreation centers

More detailed career information is available from the department.

**Sport Management Major B.S.**

**PROGRAM FEATURES**
60 credits

**Required Courses:**
- SMGT 201 Foundations of Sport Management 3
- SMGT 302 Psychosocial Aspects of Activity 3
- SMGT 304 Historical Concepts of Movement and Sport 3
- SMGT 346 Computer Application in Sport Management 3
- SMGT 347 Introduction to Sport Law 3
- SMGT 405 Comparative/International Issue in Sport and Physical Activity 3
- SMGT 408 Financing Sport Operations 3
- SMGT 409 Concepts of Sport Marketing 3
- SMGT 440 Contemporary Sport 3
- SMGT 445 Organization and Administration of Sport Operations 3
- SMGT 447 Sport Facilities 3
- SMGT 486 Field Experience & Internships 12
6 credits from:  
SMGT 209  Principles of Coaching  3  
SMGT 286  Early Internship  1 - 3  
SMGT 327  Stress Management in Exercise and Sport  3  
SMGT 402  Psychology of Sport and Exercise  3  
SMGT 403  WS: Women Sport and the Body  3  
SMGT 404  Philosophical Concepts of Movement and Sport  3  
SMGT 406  Theory and Techniques of Coaching  3  

Co-requisites:  
MGT 200  Principles of Management  3  
MGT 204  Principles of Marketing  3  
MGT 211  Financial Accounting Fundamentals  3  
ECON 111  GN: Principles of Macroeconomics  3  
OR  
ECON 112  GN: Principles of Microeconomics  3  

Additional Requirements  
- Students transferring into the program (this includes on-campus transfers) must have a 2.5 overall quality point average and all grades of "C" or better in SMGT major and co-requisite courses.  
- SMGT courses and all co-requisites must be completed with a "C" or better, for graduation and for use as a pre-requisite for any other SMGT course.  
- Sport management majors must attain an overall quality point average and a major (all SMGT courses) point average of 2.5 for enrollment in SMGT 486 (internship) and graduation.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 209</td>
<td>Principles of Coaching</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SMGT 286</td>
<td>Early Internship</td>
<td>1 - 3</td>
<td></td>
</tr>
<tr>
<td>SMGT 327</td>
<td>Stress Management in Exercise and Sport</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SMGT 402</td>
<td>Psychology of Sport and Exercise</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SMGT 403</td>
<td>WS: Women Sport and the Body</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SMGT 404</td>
<td>Philosophical Concepts of Movement and Sport</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SMGT 406</td>
<td>Theory and Techniques of Coaching</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGT 200</td>
<td>Principles of Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGT 204</td>
<td>Principles of Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGT 211</td>
<td>Financial Accounting Fundamentals</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECON 111</td>
<td>GN: Principles of Macroeconomics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECON 112</td>
<td>GN: Principles of Microeconomics</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Additional Requirements

4 YEAR CURRICULUM PROGRAM PLAN
(Subject to change by the university without notice)

**Freshman Year Fall**
- FYE 100  University Studies  3  
- ECON 111  GN: Principles of Macroeconomics  3  
- OR  
- ENGL 103  English Composition  3  
- HPLW 105  Health Promotion and Lifetime Wellness  3  
- GenEd  General Education Elective  3  

**Spring**
- SMGT 201  Foundations of Sport Management  3  
- MGT 200  Principles of Management  3  
- GenEd  General Education Elective  3  
- GenEd  General Education Elective  3  
- GenEd  General Education Elective  3  

**Sophomore Year Fall**
- MGT 204  Principles of Marketing  3  
- MGT 211  Financial Accounting Fundamentals  3  
- SMGT 302  Psychosocial Aspects of Activity  3  
- GenEd  General Education Elective  3  
- GenEd  General Education Elective  3  

**Spring**
- SMGT 346  Computer Application in Sport Management  3  
- SMGT 347  Introduction to Sport Law  3  
- GenEd  General Education Elective  3  

---

**Junior Year Fall**
- SMGT 304  Historical Concepts of Movement and Sport  3  
- SMGT 409  Concepts of Sport Marketing  3  
- GenEd  General Education Elective  3  
- XXXX  Free Elective  3  

**Senior Year Fall**
- SMGT 440  Contemporary Sport  3  
- SMGT 447  Sport Facilities  3  
- XXXX  Free Elective  3  
- XXXX  Free Elective  3  
- XXXX  Free Elective  3  

---

**Subtotal: 18**

**Subtotal: 15**

---

For more information, contact the department at 570-422-3495, Zimbar 210 or email Department Chair, Dr. Jaedeock Lee at jaedeock@esu.edu. www.esu.edu/smgt

**Accelerated Pathway from B.S. in Sport Management to M.S. in Sport Management or MS. in Management and Leadership - Sport Management**

**ACCELERATED PATHWAY FEATURES**

**145 Total Credit Hours**
(111 Undergraduate Credits Hours and 34 Graduate Credit Hours)

**Program Description**
The Sport Management Accelerated Pathways Program offers qualified undergraduate Sport Management students with at least junior standing to take graduate coursework that will apply to both bachelor's and master's degrees: 1) Bachelor of Science (BS) in Sport Management and Master of Science (MS) in Sport Management, and 2) Bachelor of Science (BS) in Sport Management and Master of Science (MS) in Management and Leadership Sport Management Concentration. Students accepted to the Accelerated Pathways Program can save time and money to earn both bachelor’s and master’s degrees in five years.

**Combined Bachelor of Science (BS) in Sport Management and Master of Science (MS) in Sport Management**
The Accelerated Pathways Program offers students to complete both BS and MS in Sport Management degrees in five years. Interested candidates for the Accelerated Pathways Program should have an overall GPA of 3.40. This program consists of a minimum of 111 credit hours of undergraduate course work, a maximum of 9 semester hours of graduate course work to
count towards both the undergraduate and graduate degrees. Students will receive a BS in Sport Management degree after successful completion of the fourth year. In the fifth year, students will complete 25 credits of graduate coursework and receive a MS in Sport Management degree. See 5 Year Curriculum Program Plan combined BS & MS in Sport Management.

Combined Bachelor of Science (BS) in Sport Management and Master of Science (MS) in Management and Leadership Sport Management Concentration

The Accelerated Pathways Program offers students to complete both BS and MS in Management and Leadership Sport Management degrees in five years. Interested candidates for the Accelerated Pathways Program should have an overall GPA of 3.40. This program consists of a minimum of 111 semester hours of undergraduate course work, a maximum of 9 credit hours of graduate course work to count towards both the undergraduate and graduate degrees. Students will receive a BS in Sport Management degree after successful completion of the fourth year. In the fifth year, students will complete 25 credits of graduate coursework and receive an MS in Management and Leadership Sport Management degree. See 5 Year Curriculum Program Plan combined BS & MS in Mgmt & Leadership Sport Management.

Student Eligibility

To apply for the Sport Management Accelerated Pathways Program, students must:
- Be enrolled in Bachelor of Science (BS) in Sport Management program
- Have a minimum of 45 credits but no more than 60 credits at ESU
- Have a minimum 3.40 overall GPA

Additional Requirement: Student accepted to the Accelerated Pathways Program must maintain a minimum of 3.40 overall GPA and receive a B or higher grade in graduate courses in order to count credits toward Master's degree.

5 YEAR CURRICULUM PROGRAM PLAN COMBINED B.S. & M.S. IN SPORT MGMT.

Subject to change by the University. Please check with department for updates.

Freshman Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>ECON 111</td>
<td>GN: Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 112</td>
<td>GN: Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FYE 100</td>
<td>University Studies</td>
<td>3</td>
</tr>
<tr>
<td>HPLW 105</td>
<td>Health Promotion and Lifetime Wellness</td>
<td>3</td>
</tr>
<tr>
<td>CMST 111</td>
<td>GN: Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMST 235</td>
<td>GN: Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMST 253</td>
<td>GN: Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 201</td>
<td>Foundations of Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 200</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>GE Breadth Elective (1)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>GE Breadth Elective (2)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>GE Breadth Elective (3)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

Sophomore Year

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 302</td>
<td>Psychosocial Aspects of Activity</td>
<td>3</td>
</tr>
<tr>
<td>MGT 204</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MGT 211</td>
<td>Financial Accounting Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>GE Breadth Elective (4)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>GE Breadth Elective (5)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 347</td>
<td>Introduction to Sport Law</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 346</td>
<td>Computer Application in Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>GE Breadth Elective (6)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>GE Breadth Elective (7)</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>GE Breadth Elective (8)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

Junior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 304</td>
<td>Historical Concepts of Movement and Sport</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 409</td>
<td>Concepts of Sport Marketing</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 405</td>
<td>Comparative and International Issue in Sport and Physical Activity</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 570</td>
<td>Introduction to Research</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>GE Breadth Elective (9)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 408</td>
<td>Financing Sport Operations</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 445</td>
<td>Organization and Administration of Sport Operations</td>
<td>3</td>
</tr>
<tr>
<td>SMGT ___</td>
<td>SMGT Elective (1)</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 513</td>
<td>Advanced Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>GenEd ___</td>
<td>GE Breadth Elective (10)</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong> 18</td>
<td></td>
</tr>
</tbody>
</table>

Senior Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 440</td>
<td>Contemporary Sport</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 447</td>
<td>Sport Facilities</td>
<td>3</td>
</tr>
<tr>
<td>SMGT ___</td>
<td>SMGT Elective (2)</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 519</td>
<td>Sport and Society</td>
<td>3</td>
</tr>
<tr>
<td>XXXX ___</td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong> 15</td>
<td></td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 486</td>
<td>Free Elective</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong> 12</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits for B.S. in SMGT: 120

5th Year Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 546</td>
<td>Planning and Management of Sport Facilities</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 548</td>
<td>Sports Marketing</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 523</td>
<td>Administration: Physical Education Sport Programs</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong> 9</td>
<td></td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 547</td>
<td>Sports Business &amp; Finance</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 549</td>
<td>Sports and the Law</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 550</td>
<td>Sport Personnel Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong> 9</td>
<td></td>
</tr>
</tbody>
</table>

Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 586</td>
<td>Field Experience &amp; Internship</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong> 7</td>
<td></td>
</tr>
</tbody>
</table>

Comprehensive Exam also required.
Additional Notes:
1. CMST and ECON courses also fulfill General Education Requirements.
2. SMGT Internship (486 & 586) can be completed in fall, spring, or summer once a student has earned 90 credits with a 2.5 GPA. The internship is completed at an approved internship site.
3. Total Credits: 145 (111 undergraduate credits + 34 graduate credits).

5 YEAR CURRICULUM PROGRAM PLAN BS TO MS IN MGMT & LEADERSHIP

Subject to change by the University. Please check with department for updates.

Freshman Year Fall
ENGL 103 English Composition 3
ECON 111 GN: Principles of Macroeconomics 3
OR ECON 112 GN: Principles of Microeconomics 3
FYE 100 University Studies 3
HPLW 105 Health Promotion and Lifetime Wellness 3
CMST 111 GN: Introduction to Communication 3
OR CMST 235 GN: Interpersonal Communication 3
OR CMST 253 GN: Public Speaking 3
Subtotal: 15

Spring
SMGT 201 Foundations of Sport Management 3
MGT 200 Principles of Management 3
GenEd ___ GE Breadth Elective (1) 3
GenEd ___ GE Breadth Elective (2) 3
GenEd ___ GE Breadth Elective (3) 3
Subtotal: 15

Sophomore Year Fall
SMGT 302 Psychosocial Aspects of Activity 3
MGT 204 Principles of Marketing 3
MGT 211 Financial Accounting Fundamentals 3
GenEd ___ GE Breadth Elective (4) 3
GenEd ___ GE Breadth Elective (5) 3
Subtotal: 15

Spring
SMGT 347 Introduction to Sport Law 3
SMGT 346 Computer Application in Sport Management 3
GenEd ___ GE Breadth Elective (6) 3
GenEd ___ GE Breadth Elective (7) 3
GenEd ___ GE Breadth Elective (8) 3
Subtotal: 15

Junior Year Fall
SMGT 304 Historical Concepts of Movement and Sport 3
SMGT 409 Concepts of Sport Marketing 3
SMGT 405 Comparative and International Issue in Sport and Physical Activity 3
SMGT 570 Introduction to Research 3
GenEd ___ GE Breadth Elective (9) 3
Subtotal: 15

Spring
SMGT 408 Financing Sport Operations 3
SMGT 445 Organization and Administration of Sport Operations 3
SMGT 549 Sports and the Law 3
Subtotal: 15

Spring
SMGT 486 Field Experience & Internships 12
Subtotal: 12

Total Credits for B.S. in SMGT: 120

5th Year Fall
MGT 502 Organizational Strategy 3
MGT 503 Organizational Leadership 3
SMGT 546 Planning and Management of Sport Facilities 3
Subtotal: 9

Spring
MGT 501 Organizational Behavior 3
MGT 504 Organizational Control Systems 3
SMGT 547 Sports Business & Finance 3
Subtotal: 9

Summer
SMGT 586 Field Experience & Internship 3 - 12
Subtotal: 7

Comprehensive Exam also required.

Additional Notes:
1. CMST and ECON courses also fulfill General Education Requirements.
2. SMGT Internship (486 & 586) can be completed in fall, spring, or summer once a student has earned 90 credits with a 2.5 GPA. The internship is completed at an approved internship site.
3. Total Credits: 145 (111 undergraduate credits + 34 graduate credits).

Minor in Sport Management
Sport as a career follows the trend of sport's growing importance in society; sport helps define social and cultural identity in American society (Schwab, Dustin, Legg, Arthur-Banning, Timmerman & Wells, 2012). As the field of sport management is one of the fastest growing fields and majors on campus, students are encouraged to diversify their educational and applied experiences (COSMA). In order to diversify, many ESU students major in Sport Management with minors in Communication, Business Management or Spanish. Students interested in careers in the sport management industry could also diversify educational and applied experiences with a Sport Management Minor to compliment many other majors (e.g., Media Communication & Technology, Communication, Business Management).

DEGREE REQUIREMENTS
21 Credits

Requirements List
SMGT 201 Foundations of Sport Management 3
SMGT 302 Psychosocial Aspects of Activity 3
Choose 12 credits from the following

SMGT ___ SMGT Elective (1) 3
GenEd ___ GE Breadth Elective (10) 3
XXXX ___ Free Elective 3
Subtotal: 18

Senior Year Fall
SMGT 440 Contemporary Sport 3
SMGT 447 Sport Facilities 3
SMGT 548 Sports Marketing 3
SMGT ___ SMGT Elective (2) 3
XXXX ___ Free Elective 3
Subtotal: 15

Subtotal: 12

Total Credits: 145
Athletic Coaching

DEGREE REQUIREMENTS

A minor in Athletic Coaching would better prepare undergraduate students interested in coaching either as a full-time position, a part-time position or as a volunteer. Additionally, a coaching minor may help students interested in graduate education earn an assistantship as an athletic coaching graduate assistant. Currently, a number of SMGT, PETE and other students coach on a part-time or volunteer basis and many ESU Athletic Teams have student managers from a number of majors across campus.

In addition to student interest in Athletic Coaching, many state and national organizations have created standards to assess the quality of training and continuing education for coaches in the United States. Currently the U.S. is the only major economic country that does not have mandatory training standards for athletic coaches and “a majority of youth sports coaches are ill equipped for their role” (Sage & Eitzen, 2013, p. 86).

The Society of Health and Physical Educators (SHAPE; previously known as National Association of Sport and Physical Education (NASPE)) has developed National Standards of Sport Coaches (see http://www.shapeamerica.org/standards/coaching/coachingstandards.cfm), which overviews eight domains of coaching with standards and benchmarks in each domain. A solid minor in Athletic Coaching would include coursework from four departments (i.e., ATEP, EXSC, SMGT, PETE) to meet SHAPE’s domains. This proposed Athletic Coaching Minor will require students to take coursework across the four departments, while still providing much flexibility to meet the students’ interests and needs.

Requirements List:

22 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 209</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 404</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 406</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 9

Choose one:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 230</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 240</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 3

Choose one:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 492</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 493</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 3

Choose one:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PETE 344</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 402</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 402</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 3

Choose one:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PETE 305</td>
<td>1</td>
</tr>
<tr>
<td>PETE 306</td>
<td>1</td>
</tr>
<tr>
<td>EXSC 411</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 1-3

Choose one:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 410</td>
<td>3</td>
</tr>
<tr>
<td>PETE 445</td>
<td>2</td>
</tr>
<tr>
<td>SMGT 445</td>
<td>3</td>
</tr>
<tr>
<td>PETE 344</td>
<td>3</td>
</tr>
<tr>
<td>ATEP 431</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 411</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 2-3

Additional Coursework if needed to reach 22 credits include the additional course options:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEP 120</td>
<td>1</td>
</tr>
<tr>
<td>ATEP 121</td>
<td>1</td>
</tr>
<tr>
<td>ATEP 122</td>
<td>1</td>
</tr>
<tr>
<td>ATEP 330</td>
<td>2</td>
</tr>
<tr>
<td>ATEP 340</td>
<td>2</td>
</tr>
<tr>
<td>EXSC 120</td>
<td>1</td>
</tr>
<tr>
<td>EXSC 121</td>
<td>1</td>
</tr>
<tr>
<td>EXSC 122</td>
<td>1</td>
</tr>
<tr>
<td>EXSC 202</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 203</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 310</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 447</td>
<td>3</td>
</tr>
<tr>
<td>PETE 220</td>
<td>1</td>
</tr>
<tr>
<td>PETE 253</td>
<td>1</td>
</tr>
<tr>
<td>PETE 302</td>
<td>2</td>
</tr>
<tr>
<td>PETE 453</td>
<td>1</td>
</tr>
<tr>
<td>SMGT 302</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 304</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 347</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 403</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 493</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 494</td>
<td>3</td>
</tr>
</tbody>
</table>

Other courses may be taken with approval of minor advisor.

Additional Requirements:

1. A 2.5 overall GPA
2. "C" or better in all minor courses
3. At least one course must be taken in each of the four departments:

ATEP, EXSC, PETE, SMGT

Minor in Sport and Exercise Psychology

The Sport Management, Psychology & Exercise Science Departments often have student inquiries about a minor in Sport & Exercise Psychology.
These requests come not only from students in these majors but also from Physical Education Teacher Education, Exercise Science & Interdisciplinary Studies as well as a number of student-athletes and aspiring coaches. These interested students represent departments across the ESU Colleges (e.g., Sport Management; Psychology; Physical Education Teacher Education; Management; Recreation Management; Exercise Science); therefore, our three departments have joined together for a multidisciplinary minor proposal in Sport & Exercise Psychology.

A minor in SEP will better prepare undergraduate students interested in graduate education in the area. Students will understand the behavior of individuals in sport and exercise with specific focus on the major sport and exercise concerns related to a psychological perspective. Content areas include personality and motivation factors, performance in groups, enhancing sport performance, and the psychological effects of participation in sport and exercise.

**DEGREE REQUIREMENTS**

18 credits

**Requirements List**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>GN: General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 321</td>
<td>Theories Of Personality</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 304</td>
<td>Historical Concepts of Movement and Sport</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 310</td>
<td>Exercise Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 402</td>
<td>Psychology of Sport and Exercise</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSC 402</td>
<td>Psychology of Sport and Exercise</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose 3 credits from the following**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 220</td>
<td>GN: Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 222</td>
<td>GN: Psychology of Adjustment</td>
<td>3</td>
</tr>
<tr>
<td>PSY 251</td>
<td>GE: Psychological Disorders</td>
<td>3</td>
</tr>
<tr>
<td>PSY 302</td>
<td>Theories Of Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSY 305</td>
<td>Cross-Cultural Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 320</td>
<td>Social Psychology: Theories, Research and Application</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose 3 credits from the following**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMGT 201</td>
<td>Foundations of Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 209</td>
<td>Principles of Coaching</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 302</td>
<td>Psychosocial Aspects of Activity</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 403</td>
<td>WS: Women Sport and the Body</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 405</td>
<td>Comparative and International Issue in Sport and Physical Activity</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 406</td>
<td>Theory and Techniques of Coaching</td>
<td>3</td>
</tr>
<tr>
<td>EXSC 447</td>
<td>Sports Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>

**Sport Management Faculty**

**Associate Professor:**
Jaedeock Lee, Chair (jaedeock@esu.edu)

**Assistant Professors:**
Dennis Douds (ddouds@esu.edu)
Minkyo Lee (mlee17@esu.edu)
Xiaochen Zhou (xzhou@esu.edu)

**SMGT - Sport Management Courses**

**SMGT 201 - Foundations of Sport Management (3 credits)**
This course is designed to present an overview of the structure of the sport industry, as well as issues facing sport organizations and how management techniques can be applied to solve business problems. A description of career opportunities in sport will be presented with special interest in helping the student design a course of study that best meets his/her goals. The development of effective communication skills will be emphasized through class presentations and written assignments. This course is designed for students majoring or minoring in sport management.
Prerequisite: ECON 111 or 112 with a "C" or better; 2.5 overall GPA.

**SMGT 209 - Principles of Coaching (3 credits)**
This course is designed to provide insight into the coaching profession. It will examine the many facets of the area and provide suggested guidelines for prospective coaches to use in establishing their own style and method of coaching.

**SMGT 286 - Early Internship (1 - 3 credits)**
This experience enables a student to explore the role of a professional in a sport fitness or rehabilitation setting under the close supervision of a work-site supervisor.
Prerequisite: 30 semester hours; 2.0 QPA; department approval.

**SMGT 290 - Special Topics: ((Semester hours arranged))**
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

**SMGT 302 - Psychosocial Aspects of Activity (3 credits)**
This course analyzes movement activities as psychosocial phenomena, including consideration of the symbolic and cultural nature of movement forms within a framework of human personality, motivation, and social values and organization.
Distribution: Advanced | Level II Writing (W2). Prerequisite: Any one of the following: SMGT 201, SMGT 209, or 60 credits.

**SMGT 304 - Historical Concepts of Movement and Sport (3 credits)**
This course considers important themes, chronology, and biography in the study of the history of movement, sport, and physical education in the United States.
Distribution: Advanced | W2. Prerequisite: ENGL 103 AND SMGT 201.

**SMGT 309 - Sales Strategies in Sport Industry (3 credits)**
This course is designed to offer students a comprehensive understanding of sales management in the sport industry. Topics include sport sales process and operations, understanding different sales strategies and methods, and creating sales plans and tactics for a variety of inventory unique to the sport industry. This sport focused course acquaints students to the highly competitive sales sector of the sport industry.
Prerequisite: SMGT 201 or MGT 200.

**SMGT 327 - Stress Management in Exercise and Sport (3 credits)**
This course concerns the occurrence of stress in relation to exercise and sport settings, the potential for movement forms to serve as stress reducers, and other factors involved in stress and stress management. In laboratory experiences attention will be given to learning relaxation skills and leading others in relaxation and other stress reduction activities.
Distribution: Advanced. Prerequisite: SMGT 201.

**SMGT 346 - Computer Application in Sport Management (3 credits)**
This course is designed to acquaint the student with computer applications in sport management. Applications are discussed in light of their use in sport-related areas.
Distribution: Advanced. Prerequisite: SMGT201, and 15 credits in SMGT.

**SMGT 347 - Introduction to Sport Law (3 credits)**
This course is designed to address an increasing need for sport managers to be aware of the legal implications of their managerial performance. This course will provide an introduction to the legal issues facing those in the sports industry.
Distribution: Advanced. Prerequisite: SMGT 201 and MGT 200.
SMGT 402 - Psychology of Sport and Exercise (3 credits)
This course provides a broad overview for understanding the behavior of individuals in sport and exercise and focuses specific attention on the major sport and exercise concerns related to a psychological perspective. Content areas include personality and motivation factors, performance in groups, enhancing sport performance, and the psychological effects of participation in sport and exercise.
Distribution: Advanced. Prerequisite: Differs dependent of major: SMGT majors - SMGT 201, SMGT 302; PSYC majors - two psychology courses; EXSC majors - advanced standing of 75 credits; others by permission of instructor.

SMGT 403 - WS: Women Sport and the Body (3 credits)
This course examines women’s socialized attitudes toward movement and the body and their participation and roles in sport at diverse levels of competition and organization; reference is accorded psychological data, legal provisions, and social factors as these are particularized for women.
Distribution: Advanced. Prerequisite: 90 semester hours and/or SMGT302.

SMGT 404 - Philosophical Concepts of Movement and Sport (3 credits)
This course concerns the philosophical problems and questions central to movement and to the movement experience, the comparison of Eastern and Western views relevant to movement, and ethical questions are considered. Attention is also directed to the implications of particular views for both performance and professional roles. Prerequisites: SMGT 201, 302, 304 or concurrent.
Distribution: Advanced. Prerequisite: SMGT201 AND SMGT302 AND SMGT304.

SMGT 405 - Comparative and International Issue in Sport and Physical Activity (3 credits)
This course studies form, regularity, and explanation of physical activity and sport in selected countries compared with the United States. It examines comparative strategies which can be used to answer questions or test hypotheses about international and international problems related to physical activity and sport.
Distribution: Advanced. Prerequisite: SMGT201 AND SMGT302.

SMGT 406 - Theory and Techniques of Coaching (3 credits)
This course is designed to provide an overview of the theories and strategies necessary to become a successful coach. The welfare of the athlete will be the primary focus. Sport areas covered will be philosophy, pedagogy, physiology, medicine, and management.
Distribution: Advanced. Prerequisite: 96 credits.

SMGT 408 - Financing Sport Operations (3 credits)
This course is designed to present an analysis of financial concepts and theories and their application in the professional, intercollegiate, recreational, and commercial sport industries. Topics include revenues and expenses of professional, intercollegiate, and private sport industries, issues affecting these revenues and expenses, fundraising at the intercollegiate level, ownership in sport, and public and private funding for non-profit sport programs.
Distribution: Advanced. Prerequisite: SMGT 201 and MGT 211.

SMGT 409 - Concepts of Sport Marketing (3 credits)
This course is designed to build on the basic understanding of mainstream marketing concepts and apply such concepts in the sport setting. Doing so entails both comparison and contrast of the mainstream marketing practices with sport marketing practices. Lectures and readings will examine the application of marketing principles to collegiate and professional sport, special events, international sport, broadcasting, and facility management. Sport marketing cases will require students to critically analyze business decisions.
Distribution: Advanced. Prerequisite: SMGT 201 and MGT 204.

SMGT 440 - Contemporary Sport (3 credits)
This course is designed to enable the student to recognize sport as a social institution and to analyze the theoretical implications of sport in the contemporary world in relation to actual contexts and existing structures as they have developed and been modified in the twenty-first century.
Distribution: Advanced | Information Literacy/Technology (I) | Level III Writing (W3). Prerequisite: SMGT 201, SMGT 302, SMGT 304 and advanced standing of 90 credits.

SMGT 445 - Organization and Administration of Sport Operations (3 credits)
This course is designed to enable the student to demonstrate ability to utilize accepted practices of administering sport management principles as well as organization of intramural, club, and interscholastic sport. It includes in-depth analysis of administrative concepts as they relate to practice.
Distribution: Advanced. Prerequisite: SMGT 201 and completion of 75 credits; for teacher certification students: PETE 100 and 400 (or concurrent registration in 400) and admission to HP-CTPE.

SMGT 447 - Sport Facilities (3 credits)
The principles and applications of facility design, maintenance and event management as they apply to indoor and outdoor sport facilities will be analyzed. Students will critique existing sport facilities and complete related assignments.
Distribution: Advanced. Prerequisite: SMGT 201, SMGT 445 and advanced standing of 90 credits.

SMGT 485 - IS: (1 - 3 credits)
The principles and applications of facility design, maintenance and event management as they apply to indoor and outdoor sport facilities will be analyzed. Students will review existing sport facilities and complete related assignments.
Distribution: Advanced. Prerequisite: SMGT 201, 445 and advanced standing of 90 credits.

SMGT 486 - Field Experience & Internships (12 credits)
This course deals with independent research and study under the direction of a faculty member and is designed to deepen the student’s interest in a particular area of an academic field. The directing faculty member will be available exclusively to the student for a minimum of five hours per credit. Approval for enrollment must be obtained from the faculty member and from the Department chair. Approval and granting of credit must be in accordance with procedures and standards established by the departmental faculty. The student must present a study prospectus prior to approval.
Distribution: Advanced. Prerequisite: 15 credits in SMGT.

SMGT 440 - Contemporary Sport (3 credits)
This course is designed to enable the student to recognize sport as a social institution and to analyze the theoretical implications of sport in the contemporary world in relation to actual contexts and existing structures as they have developed and been modified in the twenty-first century.
Distribution: Advanced | Information Literacy/Technology (I) | Level III Writing (W3). Prerequisite: SMGT 201, SMGT 302, SMGT 304 and advanced standing of 90 credits.

SMGT 445 - Organization and Administration of Sport Operations (3 credits)
This course is designed to enable the student to demonstrate ability to utilize accepted practices of administering sport management principles as well as organization of intramural, club, and interscholastic sport. It includes in-depth analysis of administrative concepts as they relate to practice.
Distribution: Advanced. Prerequisite: SMGT 201 and completion of 75 credits; for teacher certification students: PETE 100 and 400 (or concurrent registration in 400) and admission to HP-CTPE.

SMGT 447 - Sport Facilities (3 credits)
The principles and applications of facility design, maintenance and event management as they apply to indoor and outdoor sport facilities will be analyzed. Students will critique existing sport facilities and complete related assignments.
Distribution: Advanced. Prerequisite: SMGT 201, SMGT 445 and advanced standing of 90 credits.

SMGT 485 - IS: (1 - 3 credits)
The principles and applications of facility design, maintenance and event management as they apply to indoor and outdoor sport facilities will be analyzed. Students will review existing sport facilities and complete related assignments.
Distribution: Advanced. Prerequisite: SMGT 201, 445 and advanced standing of 90 credits.

SMGT 486 - Field Experience & Internships (12 credits)
This course deals with independent research and study under the direction of a faculty member and is designed to deepen the student’s interest in a particular area of an academic field. The directing faculty member will be available exclusively to the student for a minimum of five hours per credit. Approval for enrollment must be obtained from the faculty member and from the Department chair. Approval and granting of credit must be in accordance with procedures and standards established by the departmental faculty. The student must present a study prospectus prior to approval.
Distribution: Advanced. Prerequisite: 15 credits in SMGT.

Theatre
College of Arts and Sciences
The Faculty of Arts and Letters
Fine and Performing Arts Center, Room 207
570-422-3759
www.esu.edu/theatre

About the Program
A bachelor’s degree in Theatre will prepare students for a variety of careers within the entertainment industry and beyond. The Theatre program’s combined performance, design and technical curriculum develops a breadth of knowledge and practical skills necessary to enter the profession or graduate school.
Students receive training in all aspects of theatre. As they discover and develop their unique talents, students will work closely with faculty advisers to develop their strengths as an actor, designer, director, stage manager or theatre technician.

Theatre is also a business, and all of our students are introduced to the unique entrepreneurial aspects of creative enterprises. These skills can also be applied to many dynamic careers such as television and film, teaching, management, advertising, law, journalism and politics.

**Why Major in Theatre?**
- To have a successful career you love!
- Theatre leads to diverse job options
- Theatre develops leadership, problem solving and time management skills
- You will become the force of social change
- Theatre is an art, a vibrant creative field, a vocation
- Theatre will open up your world to new and exciting possibilities

**Choose Theatre at ESU**
- Professionally experienced faculty
- Excellent facilities
- Academic preparation combined with practical application
- Faculty mentoring
- Creative collaboration in a nurturing environment
- Multiple performance opportunities
- Leadership development
- Study abroad programs
- Acquire soft skills sought after by employers in any field
- Participate in the Kennedy Center American College Theater Festival
- Direct exposure to professional theatre in nearby New York City and Philadelphia.

**Performance Opportunities:**
Students of any major are welcome to audition for theatre productions and are invited to participate behind the scenes in design and technical theatre. Auditions are posted on the large bulletin board in the Fine Arts building lobby and announced at Stage II and Theatre classes. Auditions for the first Fall production often take place as early as the first week of school.

Students may audition beginning in their freshman year for roles in Theatre Department mainstage productions and Stage II productions. A number of classes also provide performance opportunities through showcases and recitals with no auditions required: Stage and Comic Technique, Children’s Theatre, Directing, Advanced Acting (class entry by audition), Collaborative Theatre Workshop, and Acting for Musical Theatre. Theatre productions encompass a range of genres including:
- Classical Theatre
- Musical Theatre
- Contemporary Theatre
- Theatre for Young Audiences
- Student clubs, Stage II, and Musical Theatre Organization produced performances

*More information is available from the department faculty.*

**What Programs are offered?**
- B.A. Theatre - Acting for Theatre, Television and Film
- B.A. Theatre - Musical Theatre
- B.A. Theatre - Design/Technical Theatre
- B.A. Theatre - Directing
- Minor in Theatre

After appropriate preparation through classes and entry-level experiences, students are invited to take on leadership positions in ESU theatre productions that bolster their resumes and often lead to internships, employment and graduate school opportunities.

**Internship Program**
Students are encouraged to complete professional internships. After students have some basic training and experience, faculty help students identify professional opportunities that align with their area of interest. ESU theatre majors have interned at prestigious performing arts organizations including Williamstown Theatre Festival, Berkshire Theatre Group, Jacob’s Pillow Dance Festival, People’s Light and Theatre, Metropolitan Opera, and L.A. Theatre Works.

**Student Theatre Clubs**
ESU students develop strong social ties, and a home base within the larger university, through intensive production work and two student theatre clubs: Stage II and Musical Theatre Organization (MTO). Stage II produces a student directed, acted and designed play festival annually. MTO produces musical theatre cabarets and performs at a variety of campus and community functions.

**Careers in Theatre**
Entertainment is one of the biggest exports in the United States. Theatre is one of the biggest industries in nearby New York City. Theatre department alumni are working in arts and entertainment in the United States and internationally, have gone on to excellent graduate programs, and have transferred their skills to related fields.

**Artistic**
- Director
- Actor (Theatre or Film/TV/Internet)
- Artistic Director
- Scenic Designer/Art Director
- Costume Designer/Fashion Designer
- Lighting Designer
- Sound Designer
- Make-up Artist
- Video Projection Designer

**Teaching**
- Theatre Professor
- Acting Teacher
- High School Drama Teacher
- Education Director

**Technical**
- Technical Director
- Stage Manager
- Costume Shop Manager
- Scenic/Props Carpenter
- Scene Painter
- Master Electrician/Gaffer (Film)
- Properties Master
- Sound Engineer

**Administrative**
- Executive Director
- Producer
- Production Manager
- Publicity Director
- Casting Director
- Agent
- Events Manager

**Diverse Career Options**
“(Performing arts) producers (and directors) share many responsibilities with those who work as top executives.”
U.S. Department of Labor Statistics

Skills shared by top executives and those trained in theatre leadership:
- Highly developed interpersonal skills
- An analytical mind
- Quick assessment of large amounts of information and data
- Evaluation of the relationships between numerous factors
- Clear and persuasive communication
- Ability to meet deadlines under pressure
- Flexibility to adapt to unexpected obstacles
- Leadership, self-confidence, motivation, decisiveness, flexibility, sound judgment, and determination

PROGRAM FEATURES
40 credits

Core Curriculum
(20 credits, plus 9 directed GE credits):
- **THTR 100**  
  GN: Introduction to Theatre 3
- **THTR 102**  
  GN: Acting 3
- **THTR 103**  
  GE: Theatre Practicum 1
- **THTR 210**  
  GN: Design for the Performing Arts 3
- **THTR 101**  
  GN: Play Production 3
  OR
  **THTR 230**  
  GN: Stagecraft 3
- **THTR 302**  
  GE: History of Theatre I 3
- **THTR 304**  
  GE: History of Theatre II 3
- **THTR 341**  
  Stage Management 3
- **THTR 490**  
  Senior Seminar 3

and three semester hours selected from theatre studies:
- **THTR 320**  
  GE: WS: Women in Theatre 3
- **THTR 325**  
  GE: Asian Theatre 3
- **THTR 330**  
  GE: Africana Theatre 3
- **THTR 335**  
  GE: Latino Theatre 3
- **THTR 420**  
  Myth & Ritual In Theatre 3

Directed GE Courses:
Core: 9 credits of directed GEs:

One Humanities Fine Art
- **THTR 100**  
  GN: Introduction to Theatre 3

One Humanities Performing Art
- **THTR 210**  
  GN: Design for the Performing Arts 3

Plus Doubling Up in either Fine or Performing Art with:
- **THTR 101**  
  GN: Play Production 3
  OR
  **THTR 230**  
  GN: Stagecraft 3

TRACK I: Acting for Theatre, Television and Film:
(20 Credits - 16 from major and 4 credits of cognates)
- **THTR 127**  
  GN: Movement For The Actor 3
- **THTR 211**  
  GN: Voice For Performance 3
- **THTR 202**  
  GE: Acting II 3
- **THTR 360**  
  Acting for the Camera 3

three semester credits from:
- **THTR 310**  
  GE: Advanced Acting: Styles 3

TRACK II: Musical Theatre
(20 Credits - 15 from major plus 5 credits cognates in Music, 2 credits Directed Dance/FIT GE's)
- **THTR 127**  
  GN: Movement For The Actor 3
- **THTR 202**  
  GE: Acting II 3
- **THTR 211**  
  GN: Voice For Performance 3
- **THTR 350**  
  GE: Acting for Musical Theatre 3

three semester credits from:
- **THTR 310**  
  GE: Advanced Acting: Styles 3
- **THTR 343**  
  GE: Directing 3
- **THTR 440**  
  Collaborative Theatre Workshop 3

Required Cognate Courses:
Two keyboard credits and three music theory credits from:
- **MUS 101**  
  GN: Fundamentals Music 3

Directed GE Courses:
Two FIT credits in Dance from:
- **FIT 141**  
  International Ethnic Dance 1
- **FIT 142**  
  Social and Ballroom Dancing 1

TRACK III: Design/ Technical Theatre
(20 Credits - 17 from major, plus 3 cognate credits in Art):
- **THTR 343**  
  GE: Directing 3

two additional credits of:
- **THTR 103**  
  GE: Theatre Practicum 1
  (at least one as design assistant or in technical leadership)

nine semester hours (at least six must be design courses) from:
- **THTR 240**  
  GN: Stage Make-Up 3
- **THTR 301**  
  GE: Costume Design 3
- **THTR 331**  
  GE: Theatrical Lighting 3
- **THTR 332**  
  GE: Scene Painting 3
- **THTR 430**  
  GE: Scenic Design 3

and one additional theatre studies course from:
- **THTR 320**  
  GE: WS: Women in Theatre 3
- **THTR 325**  
  GE: Asian Theatre 3
- **THTR 330**  
  GE: Africana Theatre 3
- **THTR 335**  
  GE: Latino Theatre 3
- **THTR 420**  
  Myth & Ritual In Theatre 3

Required Cognate Courses:
Three credits in studio Art (by advisement)
TRACK IV: Directing
(20 credits- 17 from THTR, plus 3 cognate credits in MCOM)
THTR 343 GE: Directing 3

two additional credits in
THTR 103 GE: Theatre Practicum 1
(at least one as AD, ASM, or SM)
six additional acting/directing credits (at least one must be an acting course) from:
THTR 202 GE: Acting II 3
THTR 310 GE: Advanced Acting: Styles 3
THTR 440 Collaborative Theatre Workshop 3
THTR 486 Field Experience & Internship 3
three credits of design from
THTR 301 GE: Costume Design 3
THTR 331 GE: Theatrical Lighting 3
THTR 430 GE: Scenic Design 3
and one additional theatre studies course from
THTR 320 GE: WS: Women in Theatre 3
THTR 325 GE: Asian Theatre 3
THTR 330 GE: Africana Theatre 3
THTR 335 GE: Latino Theatre 3
THTR 420 Myth & Ritual In Theatre 3

Required Cognate Courses:
Co-requisite:
DMET 210 Television: Studio Production 3

Residency Requirement: A minimum of 12 upper division theatre credits at East Stroudsburg University.

Theatre Minor
The Department of Theatre’s minor provides students with challenging and inspiring courses, which can be selected in consultation with their advisor to focus on the specific discipline of theatre they are interested in – acting, musical theatre, theatre for young audiences, community outreach, design, technical theatre, developmental drama, and directing. This minor works well with many majors on campus (like education, speech pathology, psychology, business management and communication) allowing students to follow their passion and do what they love. They will be able to apply many of the “soft skills” they learn in theatre classes to their chosen careers – making them better prepared for the work force.

PROGRAM FEATURES:
19 credits

Required courses:
THTR 100 GN: Introduction to Theatre 3
THTR 103 GE: Theatre Practicum 1

one of:
THTR 101 GN: Play Production 3
THTR 102 GN: Acting 3
THTR 230 GN: Stagecraft 3

one of:
THTR 310 GE: Advanced Acting: Styles 3
THTR 343 GE: Directing 3
THTR 341 Stage Management 3

one of:
THTR 211 GN: Voice For Performance 3

THTR 301 GE: Costume Design 3
THTR 332 GE: Scene Painting 3
THTR 430 GE: Scenic Design 3

one of:
THTR 302 GE: History of Theatre I 3
THTR 304 GE: History of Theatre II 3
THTR 420 Myth & Ritual In Theatre 3

plus three additional credits from any of the above-listed courses.

Students enrolled in technical theatre courses will gain practical as well as theoretical experience and are required to assist on theatre productions. Participation in Stage II and/or Musical Theatre Organization, the student run theatre clubs, is strongly encouraged.

Theatre Course Sequences

Notes on Course Planning
• All ESU students are required to take a total of 30 upper division semester credits (300 level or above) and 42 credits of advanced coursework. The number of upper level credits covered by the B.A. theatre varies by track. Additional upper division courses will be required outside the track requirements and/or outside the major.
• Upper division courses generally require one or more prerequisites and are offered less frequently, so students will need to plan for them.
• Even if you complete all GE and major requirements, you must have 120 minimum credits of 100 to 400 level courses to graduate with a B.A.
• Students should make sure to take THTR 100, THTR 101 and THTR 102 in their first year of study as these courses are the bases for other courses and production work.
• Fitness electives particularly recommended for actors include yoga, any dance style, gymnastics, martial arts, or fencing. However, any kind of regular fitness class or program will be helpful.
• Technical theatre courses have a lab component involving work on theatre productions for students to gain practical as well as theoretical experience.
• All student performers are expected to contribute minimal hours to the technical aspect of productions in which they are cast.
• Participation in Stage II, the student run theatre club, and the Musical Theatre Organization (M.T.O.) is strongly encouraged.
• Students may have to vary their course sequence to accommodate courses, which are offered less frequently.

ANTICIPATED SCHEDULES
(Subject to change by the university without notice)

Offered every Fall and Spring semester:
THTR 100 GN: Introduction to Theatre 3
THTR 101 GN: Play Production 3
THTR 102 GN: Acting 3
THTR 103 GE: Theatre Practicum 1

Offered every other year:
THTR 118 GN: Stage and Comic Technique 3
THTR 127 GN: Movement For The Actor 3
THTR 202 GE: Acting II 3
THTR 204 GN: Musical Theatre 3
THTR 210 GN: Design for the Performing Arts 3
THTR 211 GN: Voice For Performance 3
THTR 220 GN: Children’s Theatre 3
THTR 240 GN: Stage Make-Up 3
THTR 301 GE: Costume Design 3
THTR 302 GE: History of Theatre I 3
THTR 304  GE: History of Theatre II  3
THTR 310  GE: Advanced Acting: Styles  3
THTR 331  GE: Theatrical Lighting  3
THTR 332  GE: Scene Painting  3
THTR 341  Stage Management  3
THTR 343  GE: Directing  3
THTR 350  GE: Acting for Musical Theatre  3
THTR 360  Acting for the Camera  3
THTR 420  Myth & Ritual In Theatre  3
THTR 430  GE: Scenic Design  3

**Offered In Rotation Over a Four-Year Period:**
(Dependent on specialties of available faculty)

THTR 320  GE: WS: Women in Theatre  3
THTR 325  GE: Asian Theatre  3
THTR 330  GE: Africana Theatre  3
THTR 335  GE: Latino Theatre  3
THTR 440  Collaborative Theatre Workshop  3
THTR 325: (also offered periodically on tour in China)
THTR 440: by audition/interview

**Offered by Special Arrangement:**
THTR 230  GN: Stagecraft  3
THTR 486  Field Experience & Internship  3
THTR 490  Senior Seminar  3

**Offered Currently through Communication:**
- Introduction to Film Studies
- Art and History of Film
- Film Genre

**Theatre Faculty**

**Professor:**

**Assistant Professors:**
Christopher Domanski, Chair (cdomanski@esu.edu)
Adviser: Design/Technical Theatre Track
Jason Narvy (jnarvy@esu.edu)
Bethanie Watson (bwatson4@esu.edu)

**THTR - Theatre Courses**

**THTR 100 - GN: Introduction to Theatre (3 credits)**
This course is an introduction to the basic elements of theatre including the arts of acting, directing, playwriting and scenic design. The course will examine major trends in theatre history and will focus on several plays in their historical context in order to better understand the origins and development of theatre as an art form. From this historical and analytical approach, the student will come to appreciate the theatre as a distinctive expression of human experience.

**THTR 101 - GN: Play Production (3 credits)**
This course in the art and technique of play production is designed to enhance the student’s understanding of the theatrical production process and to aid the prospective producer of school and amateur theatrics. The class covers theatrical organization, theatre facilities, types of staging, and a survey of the many technical elements involved in the production of plays and musicals. Participation in production is required.

**THTR 102 - GN: Acting (3 credits)**
This course aims at the development of basic acting techniques. Emphasis is placed on developing greater confidence before an audience and increasing one’s power of imagination, observation, and concentration. Beginning techniques of character development will be explored. Preparation of specific acting assignments is required.

**THTR 103 - GE: Theatre Practicum (1 credit)**
This course is designed to allow students academic credit for participation in the theatre production program of the Theatre Department. Work in the technical and performance areas is included. Participation in production is required.
Distribution: GE: Humanities-Performing Arts.

**THTR 118 - GN: Stage and Comic Technique (3 credits)**
This course explores comedy and comic techniques from the broadest, most physical form of farce to the intellectual wit of comedy of manners. It stresses the fundamental conventions and techniques found in the performance of comedy. The course also reinforces the basic techniques of performance, including relaxation observation, and concentration. Preparation of specific performance assignments is required. Offered in alternate years.

**THTR 127 - GN: Movement For The Actor (3 credits)**
This course explores comedy and comic techniques from the broadest, most physical form of farce to the intellectual wit of comedy of manners. It stresses the fundamental conventions and techniques found in the performance of comedy. The course also reinforces the basic techniques of performance, including relaxation observation, and concentration. Preparation of specific performance assignments is required. Offered in alternate years.

**THTR 202 - GE: Acting II (3 credits)**
This course will cover advanced topics in understanding and application of acting technique by expanding the students' dramatic range. Early to mid-20th century American plays, foreign language plays in translation, and other plays outside the students' familiar culture, will be the source materials for scenes and monologues to be analyzed, researched and performed. This course may be repeated for credit with a different instructor.
Distribution: GE: Humanities-Performing Arts | Advanced. Prerequisite: THTR 102 and one of the following: THTR 100, THTR 127, THTR 211, THTR 220.

**THTR 204 - GN: Musical Theatre (3 credits)**
This course is a broad study of the various elements and repertoire that constitute musical theatre. This study will examine the music, characters, plots of specific works relating them to the music, and artistic achievement, characters, historical significance, social relevance, and performance practices. Material will cover various aspects of musical comedy, operetta, cabaret, and opera. This is a general course for all students interested in broadening their awareness of the form.

**THTR 210 - GN: Design for the Performing Arts (3 credits)**
This course is an introductory study focusing on fundamental principles and practices of visual and aural design for the performing arts. Analytical topics of study include history of design for the performing arts, script analysis, director and designer communication, and the integration of
design elements into a unified production. Various design media will be introduced and be explored to effectively present concepts and designs. Distribution: GE: Humanities - Fine Arts | GN: Group A - Fine Arts (AFA) | Artistic Expression (A) | Information Literacy & Technology (I).

THTR 211 - GN: Voice For Performance (3 credits)
This course will focus on the development of physical awareness of the vocal process through exercises in relaxation, body alignment and support of tone. Further development of actor’s voice in range, power, flexibility and articulation will also be explored. Preparation of readings in prose, poetry and dramatic monologue will be included. Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Artistic Expression (A).

THTR 220 - GN: Children's Theatre (3 credits)
This course consists of selection, adaptation, and presentation by adults of plays for young audiences; it includes a study of plays with suitable moral and social values. Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Artistic Expression (A).

THTR 230 - GN: Stagecraft (3 credits)
This course is an introduction to the theory and practice of contemporary set construction properties, stage engineering, lighting and sound. Students will be introduced to the tools and specialized equipment of both the scene and light shops. Participation in production is required. Distribution: GE: Humanities - Fine Arts | GN: Group A - Fine Arts (AFA) | Artistic Expression (A).

THTR 235 - Drafting for Performing Arts (3 credits)
This course will introduce students to the craft of hand and computer-aided drafting for theatre and the entertainment industry. The students will develop industry-standard drafting and visual communication skills used in the various stages of planning and executing a set design for a given production. Prerequisite: THTR100, THTR101 or THTR210.

THTR 240 - GN: Stage Make-Up (3 credits)
This course is centered around the theory and practice of theatrical make-up techniques. The course allows students the opportunity to design and create performance make-up. Offered alternate years. Distribution: GE: Humanities - Fine Arts | GN: Group A - Fine Arts (AFA) | Artistic Expression (A). Prerequisite: THTR100.

THTR 290 - Special Topics: ((Semester hours arranged))
These courses are designed to meet specific needs of groups of students or courses to be offered on a trial basis in order to determine the demand for introducing them as part of the university curriculum.

THTR 301 - GE: Costume Design (3 credits)
This course emphasizes the design, history, and construction of costumes for theatre, television, and film. The emphasis will be on script analysis, research, and design concepts. Design construction projects allow the student to gain a greater understanding of the role of a costume designer in the theatrical process. Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR100 OR THTR101.

THTR 302 - GE: CC Theatre Origins-18thC (3 credits)
This course will provide an understanding of the history and literature of theatre from the ancient times through the 18th Century. Emphasis is placed on how the theatre has reflected the political, social, economic, and cultural trends in each era. Plays from the various periods are read and analyzed. Offered alternate years. Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR 100 or SOc102.

THTR 304 - GE: CC Theatre 19thC to Present (3 credits)
This course will provide an understanding of the history and literature from the 19th Century to the present. Emphasis is placed on how the theatre has reflected the political, social, economic, and cultural trends in each era. With an emphasis on Western theatre, plays from the various periods are read and analyzed. Offered alternate years. Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR100 or SOc102.

THTR 310 - GE: Advanced Acting: Styles (3 credits)
This course provides further study of character development that includes contemporary scene study with additional focus on improvisation, concentration, observation and voice and movement techniques. These techniques are applied in the preparation and presentation of scenes and monologues. Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR102 AND THTR211.

THTR 320 - GE: WS: Women in Theatre (3 credits)
This course will cover the development of a female dramatic tradition. Research will be conducted on the positions that came to be filled by women in the course of theatre history: playwright, director, producer, actress, teacher, designer, dramaturge and critic. Studies will be made of plays that feature strong female roles. The texts will range from Greek classics to contemporary works. Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR100 OR ENGL103 OR WMST150.

THTR 325 - GE: Asian Theatre (3 credits)
This course will provide an overview of Asian theatre with emphasis on its texts, theatrical aesthetics, and conventions of production. Cultural and historical contexts of diverse Asian theatrical styles and their influences in world theatre will be examined. Equivalent courses will be considered as prerequisites. Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR100 OR ENGL103 OR SOc102 OR IIS100.

THTR 330 - GE: Africana Theatre (3 credits)
This course presents a wide range of the drama and theatre of Africa and the African Diaspora. It examines the themes, functions, conventions, creative techniques, and styles deriving from the specific historical and geographical settings in Africa, the Americas, the Caribbean, and Britain. Equivalent prerequisites will be considered. Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR100 OR ENGL103 OR SOc102 OR IIS100.

THTR 331 - GE: Theatrical Lighting (3 credits)
This course is concerned with the theory and practice of designing lighting for the performing arts. Students will be introduced to script analysis and conceptualization of plays, musicals, and dance and will learn to develop light plots in an experimental theatre setting. Students will provide their own drafting equipment. Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR230.

THTR 332 - GE: Scene Painting (3 credits)
This course is concerned with the theory and practice of scene painting. Students will explore a variety of scene painting techniques and how they can artistically be translated to the stage. Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR230.

THTR 333 - Digital Technology for the Performing Arts (3 credits)
This course will provide an opportunity for students to use various software programs to aid in design, rendering and technical drawing for the performing arts. Students will be introduced to Qlab, the Adobe Suite, and three-dimensional components of Vectorworks and AutoCad as they complete specific projects. This class will allow students to learn on
contemporary industry standard programs to be competitive in any technical theatre field.
Prerequisite: THTR100, THTR101 or THTR210 and THTR235.

**THTR 335 - GE: Latino Theatre (3 credits)**
This course investigates the diverse range of the theatre of Spain, Latin America, and the Caribbean, as well as Latino/Latina cultures in the United States. Through an investigation of the work of prominent Latino/Latino theatre artists this course delves into the themes, conventions, and aesthetics influencing theatre in these cultures, and influencing culture from these artists. Equivalent prerequisites will be considered.
Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR100 OR ENGL103 OR SOC102 OR IIS100.

**THTR 341 - Stage Management (3 credits)**
This course is offered for students interested in production management areas. A study of audition, rehearsal and production management techniques will be made. Emphasis will be on planning and organizational skills for stage management.
Distribution: Advanced. Prerequisite: THTR100 OR THTR101.

**THTR 343 - GE: Directing (3 credits)**
Basic principles and techniques of stage direction will be explored. This course will provide director, actor or designer the necessary methods and tools to analyze and synthesize the elements necessary to ringing a production to life before an audience. Topics include: play analysis, creating the ensemble, conceptual unity, metaphor and organizational responsibilities of director. Presentation of scenes will be required.
Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR100 AND THTR102.

**THTR 350 - GE: Acting for Musical Theatre (3 credits)**
This course introduces techniques on integrating acting with both voice and movement into a Musical Theatre performance. Further development of basic acting will be emphasized using the "given circumstances," discovering objectives, obstacles, tactics, relationships, and beats. Scene and song assignments will be made from the classical canon of American Musical Theatre.
Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR102.

**THTR 360 - Acting for the Camera (3 credits)**
This course will focus on adapting and applying acting technique to the unique demands of an on-camera TV studio or film set environment. Acting concepts and film/TV terminology and procedures, as well as expected preparation for and conduct on a set will be covered.
Distribution: Advanced. Prerequisite: THTR102.

**THTR 420 - Myth & Ritual In Theatre (3 credits)**
This course explores myth and ritual as they relate to theatre, both in their primitive foundations and in their modern applications. The use of masks and various primary aspects of theatre and acting will be examined, culminating in an informal performance reflecting elemental acting skills, as they relate to mythical and ritualistic foundations of theatre. Available for graduate credit.
Distribution: Advanced. Prerequisite: THTR100 AND THTR102.

**THTR 430 - GE: Scenic Design (3 credits)**
This course is concerned with the theory and practice of designing scenery for the performing arts. Students will be introduced to script analysis and conceptualization of plays and musicals and will learn to develop floor plans, models, construction elevations, finished color renderings of their design projects. Students will provide their own drafting equipment.
Distribution: GE: Humanities - Fine Arts; Advanced. Prerequisite: THTR230.

**THTR 440 - Collaborative Theatre Workshop (3 credits)**
This advanced course will focus on critical analysis and application of collaborative theatre techniques focused around a specific playwright, or theatrical style, or collaborative technique which will vary each time the course is taught. Admission to the course will be by audition for actors and by interview for all other positions. Audition/interviews will take place one semester prior but some openings may still be available for new transfer students. Students may take this course for credit more than once.
Distribution: Advanced. Prerequisite: THTR100 AND THTR102 AND THTR202 OR THTR210 OR THTR310.

**THTR 485 - IS: (1 - 15 credits)**
This course consists of directed research and study on an individual basis. It is open to a limited number of students who are juniors and seniors or who have completed 12 credit hours in Theatre Arts and who received departmental approval. A student engaging in Independent Study will complete a minimum of five (5) hours per credit of exclusive conference time with the faculty member in charge of the Independent Study relative to the design, consultation, and evaluation of the study. The student must demonstrate competencies appropriate to the level of the course.
Distribution: Advanced.

**THTR 486 - Field Experience & Internship (3 credits)**
This course provides field experience gained through placement in a practical on-the-job situation under professional supervision.
Distribution: Advanced.

**THTR 490 - Senior Seminar (3 credits)**
This is a culminating seminar designed to prepare students for the entry into the theatre profession or graduate programs. Students will review theory and practice, as well as professional presentation expectations relevant to their theatre tracks and create individual career plans. Students will develop a portfolio of exemplary materials both newly created and selected from their best undergraduate work for presentation to potential employers and graduate schools.
Distribution: Advanced.
Administration

Pennsylvania State System of Higher Education
Board of Governors
Cynthia D. Shapira, Ed.D., Chair
David M. Maser, Board Vice Chair; Chair: Student Success
Samuel H. Smith, Board Vice Chair; Chair: Governance and Leadership
Marian D. Moskowitz, Vice Chair; Student Success Committee
Neil R. Weaver, Vice Chair; University Success Committee
Larry C. Skinner, Chair; University Success Committee
Janet L. Yeomans, Chair; Audit and Compliance Committee
Robert W. Bogle
Rep. Tim Briggs
Tanya I. Garcia, Ph.D, Designee for Secretary of Education
William "Bill" Gindlesperger
Eric Hagarty, Acting Secretary of Education
Allison Jones, Designee for Gov. Tom Wolf
Sen. Scott Martin
Rep. Brad Roae
Alexander C. Roberts
Sen. Judith L. Schwank
Zakariya Scott
Skylar Walder
Tom Wolf, Governor

Office of the Chancellor
Daniel Greenstein, Chancellor
Randi Goin Jr., Deputy Chancellor
Sharon Minnich, Executive Vice Chancellor
Denise Pearson, Ph.D, Vice Chancellor; Diversity, Equity and Inclusion
Donna Wilson, Ph.D, Vice Chancellor; Academic and Student Affairs
Sarah Bauder, Chief Transformation Officer
Cody Jones, Chief Strategic Relations Officer
Molly Mercer, Chief Financial Officer
Rose Lara, Chief Information Officer

ESU Council of Trustees
Mr. L. Patrick Ross '67, Chair
Mr. Marcus S. Lingenfelter '95, Vice Chair
Mr. Paul Shemansky '96, M'01, M'04, Secretary
Mr. Edward P. Abraham
Mr. Frank Epifano
Mr. Thomas J. Grayuski '84
Mr. Bruno S. Klaus
Ms. Tina L. Nixon '89
Ms. Tameko Patterson
Mr. John Pekarovsky III '07
Mr. William Green, Current Student
Daniel Greenstein, Ex-Officio

University Administration

Office of the President
Kenneth Long, Interim President
Miguel Barbosa, Vice President of University Relations and Chief of Staff
Robert Smith, Chief Information and Technology Officer
Elizabeth Richardson, Director, University Marketing and Communications
Greg Knowlden, Assistant Director, University Marketing and Communications

Academic Affairs
Margaret Ball, Interim Provost and Vice President, Academic Affairs
Christopher Domanski, Interim Associate Provost, Academic Affairs
Nieves Gruneiro-Roadcap, Dean, College of Arts and Sciences
Maria Kitchens-Kintz, Associate Dean, College of Arts and Sciences
Sylvester Williams, Dean, College of Business and Management
Brooke Langan, Dean, College of Education
Denise Seigart, Dean, College of Health Sciences
Kevin Quintero, Associate Director, Graduate and Extended Studies
Christina McDonald, Director, Sponsored Projects and Research
Steven Ives, Manager, International Programs
Joseline Kramer, Interim Executive Director for Institutional Research

Campus Life and Inclusive Excellence
Santiago Solis, Vice President, Campus Life and Inclusive Excellence
Jennie Smith, Dean, Student Life
Joseph Akob, Executive Director, Student Activity Association
Jennifer Young, Director, Counseling and Psychological Services
Daniel Ayala, Director, Fraternities and Sororities
Lyessa Fleming, Director, Multicultural Affairs and Inclusive Education
Maria Cutsinger, Director, Student Conduct and Community Standards
David Campbell, Associate Director, Residential and Dining Services
Ariel Tucci, Interim Director, Gender and Sexuality Center
Christopher Bean, Coordinator, Equal Opportunity and Title IX Compliance

Enrollment Management
Karen Lucas, Vice President, Enrollment Management
Debbie Zapater, Director, Enrollment Operations
Alexander Sperrazza, Director, Admissions
Geryl Kinsel, Registrar
Kevin Quintero, Associate Director, Graduate and Extended Studies

Finance
Donna Bulzoni, Chief Financial Officer
Jennifer Keat, Assistant Controller
Denise A. Aylward, Assistant Director, Procurement and Contracting

Administration and Accreditation
Michael C. Sachs, Interim Vice President of Administration and Accreditation
Yvonne Catino, Director, Human Resource Management
William Parrish, Chief of Police, University Police
Nathan Black, Manager, Environmental Health and Safety
John Bloshinski, Director, Facilities Management

Economic Development and Entrepreneurship
Mary Frances Postupack, Vice President, Economic Development & Entrepreneurship
Breanna Betarie, Director, Career and Workforce Development
Patrice Dume, Director, Entrepreneurship
Catherine Klingler, Manager, Museum, Planetarium and Events
Stephen Leddy, Director, Conference Services
Nicole Chinnici, Director, Dr. Jane Huffman Wildlife Genetics Institute
This list of permanent faculty members is current as of August 7, 2020. Two dates follow each individual’s name. The first indicates the year of appointment to the university and the second denotes the year of appointment to the academic rank or position indicated.

Professor of Political Science
B.S., 1995, University of Southern Mississippi
M.S., 1997, University of Southern Mississippi
Ph.D., 2003, University of Mississippi

Abdalla M. Aldras (1997, 2001)
Associate Professor of Biological Sciences
B.S., 1981, Jordan University
M.S.P.H., 1987, Tulane University
Sc.D., 1991, Tulane University

Alberto Alegre (2006, 2019)
Professor of Early Childhood and Elementary Education
B.S., 1980, Universitat de Barcelona
B.S., 1985, Universitat de Barcelona
M.S., 1991, Universitat de Barcelona
M.A., 2002, Goddard College
Ph.D., 2008, Virginia Polytechnic Institute and State University

Mary Beth Allen (1997, 2008)
Professor of Reading
B.S., 1979, University of Maryland
M.Ed., 1989, Towson State University
Ed.D., 1995, Texas A & M - Commerce

(Mary) Elizabeth Azukas (2018, 2018)
Assistant Professor of Professional and Secondary Education
M.A.T., 1994, The College of New Jersey

Professor of Psychology
B.A., 1988, Pennsylvania State University
M.A., 1990, Marywood University
Ph.D., 2002, Walden University

LuAnn Batson Magnuson (2010, 2016)
Associate Professor of Communication Sciences and Disorders
B.S., 1982, East Stroudsburg University
M.S., 1987, Bloomsburg University
Ph.D., 2010, University of Medicine and Dentistry of New Jersey

Nurun N. Begum (2007, 2013)
Associate Professor of Early Childhood and Elementary Education
B.Ed., 1997, University of Dhaka
M.Ed., 1999, University of Dhaka
M.A., 2004, Indiana University of Pennsylvania
Ph.D., 2007, Indiana University of Pennsylvania

Todd Behr (1990, 2003)
Associate Professor of Economics
B.A., 1973, Gettysburg College
M.B.A., 1978, Lehigh University

Professor of Psychology
B.S., 1989, University of Pittsburgh
M.S., 1994, Pennsylvania State University
Ph.D., 1998, Pennsylvania State University

Kelly M. Boyd (2007, 2020)
Professor of Health Studies
B.S.Ed., 1990, Truman State University
M.S.Ed., 1991, Eastern Kentucky University
Ph.D., 2005, Southern Illinois University

Steven Boyer (2020, 2020)
Assistant Professor of Chemistry
B.S., 2012, Elizabethtown College
Ph.D., 2017, Binghamton University

Instructor, OASIS
B.A., 1981, East Stroudsburg University
M.Ed., 1988, William Paterson University

Valerie Braddock (2019, 2019)
Associate Professor of Nursing
D.N.P., Walden University
M.S.N., 2015, Walden University
B.S.N., 1996, Seton Hall University

Instructor of Health Studies
B.S., 1976, Pennsylvania State University
M.P.H., 1981, University of Michigan

Christine E. W. Brett (2005, 2018)
Professor of Physical Education
B.S., 1993, Russell Sage College
M.S., 1998, University of Southern Mississippi
Ph.D., 2002, Ohio State University

Professor of History
B.A., 1994, East Stroudsburg University
M.A., 1998, East Stroudsburg University
M.Litt. (studies), 1999-2001, University of Edinburgh, Scotland
Dr. Phil., 2006, University of Kassel, Germany

Professor of English
B.A., 1989, Miami University of Ohio
M.A., 1993, Miami University of Ohio

David Buckley (1990, 2000)
Professor of Physics
B.A., 1981, Rutgers College
M.S., 1983, Pennsylvania State University
Ph.D., 1994, University of Massachusetts

Olivia M. Carducci (2005, 2019)
Professor of Mathematics
B.S., 1983, Saint Mary’s College

This list of permanent faculty members is current as of August 7, 2020. Two dates follow each individual’s name. The first indicates the year of appointment to the university and the second denotes the year of appointment to the academic rank or position indicated.
Marguerite Carver (2019, 2019)  
Instructor of Athletic Training  
B.S., 2013, King’s College  
M.S., 2015, West Chester University

Kevin M. Casebolt (1999, 2014)  
Professor of Physical Education  
B.S., 1992, Northern Illinois University  
M.S.Ed., 1995, University of Kansas  
Ph.D., 1998, University of Kansas

Professor of Special Education and Rehabilitation  
B.S., 1981 SUNY at Buffalo  
M.S., 1987, SUNY at Buffalo  
Ph.D., 1994, Temple University

Jyh-Hann Chang (2006, 2016)  
Professor of Psychology  
B.S., 1990, Ursinus College  
M.A., 1992, Beaver College  
M.S., 1994, University of Connecticut  
Ph.D., 1997 University of Connecticut

Dongsheng Che (2008, 2018)  
Professor of Computer Science  
B.A., 1992, Zhejiang Forestry College  
M.S., 2000, University of Georgia  
M.S., 2002, University of Georgia  
Ph.D., 2008, University of Georgia

Jeyaprakash Chelladurai (2019, 2019)  
Assistant Professor of Computer Science  
B.S., 2003, University of Madras  
M.S., 2006, University of Northern British Columbia  
Ph.D., 2012, University of Calgary

Stanley Li-Ming Chiang (2010, 2020)  
Professor of Hotel, Restaurant, & Tourism Management  
B.S., 2002, Chinese Culture University  
M.S., 2004, Chinese Culture University  
Ed.D., 2010, University of Northern Iowa

Minhaz Chowdhury (2018, 2018)  
Assistant Professor of Computer Science  
B.S., 2008, Daffodil International University  
M.S., 2014, North Dakota State University  
Ph.D., 2018, North Dakota State University

Laurene Clossey (2007, 2020)  
Professor Social Work  
B.S., 1985, Western Connecticut State University  
M.S.W., 1988, Columbia University  
Ph.D., 2004, Bryn Mawr College

Professor of Physics  
B.S., 1985, Pennsylvania State University  
M.S., 1988, Drexel University

Ph.D., 1993, Drexel University

Professor of Philosophy and Religious Studies  
B.A., 2002, Xavier University  
Ph.D., 2007, SUNY Buffalo

Paul Creamer (2008, 2013)  
Professor of Modern Languages  
B.A., 1988, University of Illinois  
M.A., 1992, University of Wisconsin  
Ph.D., 1999, University of Wisconsin

Donald M. Cummings (1986, 2004)  
Professor of Exercise Science  
B.S., 1984, College of Charleston  
M.S., 1985, East Stroudsburg University  
Ph.D., 1997, Temple University

Marianne Cutler (2005, 2005)  
Associate Professor of Sociology  
B.A., 1985, Boston University  
M.Ed., 1990, University of Massachusetts  
M.A., 1998, University of North Carolina  
Ph.D., 2003, University of North Carolina

Esther Daganzo-Cantens (2008, 2013)  
Associate Professor of Modern Languages  
M.A., 2002, Florida International University  
Ph.D., 2006, Florida International University

Nicholas D’Angelo (2019, 2019)  
Assistant Professor of Digital Media and Technology  
B.A., 1996, Montclair State University  
M.F.A., 2000, Cranbrook Academy of Art

David Daniel (2015, 2020)  
Associate Professor of Business Management  
B.S., 1998, Tusculum College  
M.B.A., 2000, National University  
M.P.A., 2005, Georgia State University

Darla D. Darno (2015, 2020)  
Associate Professor of Criminal Justice  
B.A., 2007, Youngstown University  
M.A., 2008, Marymount University  
Ph.D., 2015, Indiana University of Pennsylvania

Shala E. Davis (1997, 2006)  
Professor of Exercise Science  
B.S., 1987, University of Delaware  
M.S., 1989, Wake Forest University  
Ph.D., 1994, University of Virginia;

Dominic (Don) J. Dellipriscoli (2002, 2005)  
Assistant Professor of History  
B.S., 1993, East Stroudsburg University  
M.A., 1995 East Stroudsburg University
Tevfik Demirciftci (2020, 2020)
Assistant Professor of Hospitality, Recreation & Tourism
B.S., 2005, Bilkent University
M.S., 2007, University of Delaware
Ph.D., 2019, Istanbul University
Ph.D., 2020, University of Nevada

Christopher Dudley (2011, 2016)
Associate Professor of History
B.A., 2001, Oberlin College
M.A., 2003, University of Chicago
Ph.D., 2010, University of Chicago

Mary DeVito (2001, 2016)
Professor of Computer Science
B.S., 1984, East Stroudsburg University
M.S., 1987 East Stroudsburg University
Ph.D., 1998, Rensselaer Polytechnic Institute

Assistant Professor of Athletics
B.S., 1997, University of Pittsburgh
M.S., 2000, University of Pittsburgh
Ph.D., 2013, Rocky Mountain University of Health Professions

Michelle DiLauro (2015, 2020)
Associate Professor of Social Work
B.A., 1994, Rutgers University
M.S.W., 1995, Fordham University
Ph.D., 2001, Fordham University

Kathleen M. Duguay (1997, 2007)
Professor of English
M.A., 1985, SUNY at Binghamton
Ph.D., 1997, SUNY at Albany

Associate Professor of Communication Sciences and Disorders
B.S., 1991, Bloomsburg University
M.A., 1993, University of Cincinnati
Au.D., 2008, PA College of Optometry School of Audiology

Michelle Donlin (2017, 2019)
Assistant Professor - Library
B.A., 2006, Pennsylvania State University
M.S., 2012, University of Maryland

Xue (Stella) Dong (2019, 2019)
Assistant Professor of Art
B.A., Tongji University, Shanghai China
M.A., Auburn University

Professor of English
B.A., 1994, Frostburg State University
M.A., 1996, West Virginia University
Ph.D., 2001, Indiana University of Pennsylvania

Christopher Domanski (2016, 2016)
Associate Professor of Theatre
M.F.A., 2003, Ohio University

Professor of Political Science
B.S., 1997, California State University
M.A., 1999, Syracuse University
Ph.D., 2005, Syracuse University

Professor of Psychology
B.A., 1976, East Stroudsburg University
M.A., 1980, Marywood College
Ed.D., 1986, Lehigh University

Professor of Physics
B.A., 1991, Cornell University
M.S., 1993, California Institute of Technology
Ph.D., 1996, California Institute of Technology

Assistant Professor - Library
B.A., 2006, Pennsylvania State University
M.S., 2012, University of Maryland

Assistant Professor of Digital Media Technologies
B.S., 2008, East Stroudsburg University
M.S., 2010, Wilkes University
Ph.D., 2016, Pennsylvania State University

Sussie Eshun (1996, 2007)
Professor of Psychology
B.A., 1989, University of Ghana
M.A., 1992, SUNY at Stony Brook
Ph.D., 1996, SUNY at Stony Brook

Christopher Dudley (2011, 2016)
Associate Professor of History
B.A., 2001, Oberlin College
M.A., 2003, University of Chicago
Ph.D., 2010, University of Chicago

Mary DeVito (2001, 2016)
Professor of Computer Science
B.S., 1984, East Stroudsburg University
M.S., 1987 East Stroudsburg University
Ph.D., 1998, Rensselaer Polytechnic Institute

Assistant Professor of Athletics
B.S., 1997, University of Pittsburgh
M.S., 2000, University of Pittsburgh
Ph.D., 2013, Rocky Mountain University of Health Professions

Michelle DiLauro (2015, 2020)
Associate Professor of Social Work
B.A., 1994, Rutgers University
M.S.W., 1995, Fordham University
Ph.D., 2001, Fordham University

Kathleen M. Duguay (1997, 2007)
Professor of English
M.A., 1985, SUNY at Binghamton
Ph.D., 1997, SUNY at Albany

Associate Professor of Communication Sciences and Disorders
B.S., 1991, Bloomsburg University
M.A., 1993, University of Cincinnati
Au.D., 2008, PA College of Optometry School of Audiology

Michelle Donlin (2017, 2017)
Assistant Professor - Library
B.A., 2006, Pennsylvania State University
M.S., 2012, University of Maryland

Professor of English
B.A., 1994, Frostburg State University
M.A., 1996, West Virginia University
Ph.D., 2001, Indiana University of Pennsylvania

Christopher Domanski (2016, 2016)
Associate Professor of Theatre
M.F.A., 2003, Ohio University

Professor of Political Science
B.S., 1997, California State University
M.A., 1999, Syracuse University
Ph.D., 2005, Syracuse University

Professor of Psychology
B.A., 1976, East Stroudsburg University
M.A., 1980, Marywood College
Ed.D., 1986, Lehigh University

Professor of Physics
B.A., 1991, Cornell University
M.S., 1993, California Institute of Technology
Ph.D., 1996, California Institute of Technology

Assistant Professor - Library
B.A., 2006, Pennsylvania State University
M.S., 2012, University of Maryland

Assistant Professor of Digital Media Technologies
B.S., 2008, East Stroudsburg University
M.S., 2010, Wilkes University
Ph.D., 2016, Pennsylvania State University

Sussie Eshun (1996, 2007)
Professor of Psychology
B.A., 1989, University of Ghana
M.A., 1992, SUNY at Stony Brook
Ph.D., 1996, SUNY at Stony Brook
Darlene Farris-LaBar (2006, 2016)
Professor of Art
A.A.S., 2001, The College for Technology

Christine Fischer (2017, 2017)
Assistant Professor of Health
B.A., 2009, East Stroudsburg University
M.S., 2011, East Stroudsburg University
Ph.D., 2014, University of Toledo

Douglas Friedman (2010, 2010)
Associate Professor of Business Management
B.A., 1986, University of Pennsylvania
M.B.A., 1994, Baruch College
Ph.D., 2005, University of Michigan

Professor of History
B.S., 1990, Bowling Green State University
M.A., 1997, University of New Orleans
Ph.D., 2005, University of New Hampshire

Rene Fuanta (2018, 2018)
Professor of Chemistry and Biochemistry
B.S., 2010 University of Buea
Ph.D., 2018, Auburn University

James Galdieri (2017, 2017)
Instructor, Faculty Athletic Trainer
B.S., 2005, King’s College
M.S., 2009, King’s College

Associate Professor of Mathematics
B.A., 1993, Connecticut College
M.S., 1996, University of Connecticut
Ph.D., 2000, University of Connecticut

Associate Professor of Special Education and Rehabilitation
B.S., 1995, East Stroudsburg University
M.Ed., 1998, East Stroudsburg University
M.Ed., 2002, DeSales University
Ph.D., 2008, Fordham University

Mark A. Gatesman (2015, 2015)
Assistant Professor, Librarian
B.A., 2004, Clarion University
M.L., 2005 Clarion University

Associate Professor of Art
B.A., 1995, Manhattanville College
Ph.D., 2005, Pennsylvania State University

Professor of Chemistry
B.S., 1980, University of California at Santa Cruz
M.S., 1981, University of California at Santa Cruz
Ph.D., 1987, University of California at Santa Cruz

Beverlyn E. Grace-Odeleye (2005, 2005)
Assistant Professor, Academic Enrichment and Learning
B.S., 1976, Southern Illinois University
M.Ed., 1980, Howard University
Ph.D., 2003, Regent University

Michael P. Gray (2004, 2016)
Professor of History
B.A., 1990, East Stroudsburg University
M.A., 1991, East Stroudsburg University
Ph.D., 1998, Kent State University

Bonnie A. Green (2004, 2013)
Professor of Psychology
B.S., 1986, Pennsylvania State University
M.S., 1998, Lehigh University
Ph.D., 2002, Lehigh University

Jeffrey W. Hardy (1998, 2006)
Associate Professor of Geography
B.S., 1991, Mississippi State University
M.S., 1993, Louisiana State University
Ph.D., 1998, Louisiana State University

Kelly A. Harrison (1993, 2020)
Associate Professor of Athletic Training
B.S., 1988, University of Delaware
M.S., 1989, Ohio University
Ph.D., 2005, Rocky Mountain University of Health Professions

T. Storm Heter (2005, 2020)
Professor of Philosophy and Religious Studies
B.A., 1997, University of Illinois
M.A., 1999, University of Illinois
Ph.D., 2003, University of Illinois

Brian Hodge (2017, 2017)
Assistant Professor of Music
B.A., 2005, East Tennessee State University
M.A., 2014, University of Memphis
D.M.A., 2018, University of Memphis

Christine Hofmeister (2007, 2014)
Professor of Computer Science
A.B., 1981, Bryn Mawr College
M.S., 1987, Lehigh University
Ph.D., 1993, University of Maryland

Diane Holben (2018, 2018)
Assistant Professor of Professional and Secondary Education
B.S., 1987, Muhlenberg College
M.S., 1993, East Stroudsburg University
M.Ed., 2000, Arcadia University
Ed.D., 2009, Lehigh University

Jeffrey P. Hotz (2007, 2012)
Associate Professor of English
B.A., 1994, Georgetown University
M.A., 1997, Georgetown University
Ph.D., 2004, George Washington University
Professor of Sociology
B.A., 1990, National Taiwan University
M.A., 1997, Syracuse University
M.S., 1998, Syracuse University
Ph.D., 1999, Syracuse University

Shixiong Hu (2004, 2014)
Professor of Geography
B.A., 1990, Henan University
M.S., 1995, South China Normal University
Ph.D., 2004, State University of New York- Buffalo

Yi-hui Huang (2008, 2019)
Professor of Digital Media Technologies
B.A., 1994, National Chengchi University
M.A., 1996, University of Iowa
M.F.A., 1997, University of Iowa
Ph.D., 2008, Ohio State University

Professor of Biological Sciences
B.S., 1988, University of Rochester
Ph.D., 1996, University of California

Mihee Jeong (2008, 2014)
Associate Professor of Physical Education
B.S., 1993, Dong-A University
M.S., 2000, EWHA Woman’s University
Ph.D., 2008, University of Virginia

Michael J. Jochen (2007, 2012)
Associate Professor of Computer Science
B.A., 1991, University of Delaware
M.S., 2000, University of Delaware
Ph.D., 2007, University of Delaware

Professor of Chemistry
B.S., 1988, Lafayette College
M.A., 1990, Washington University
Ph.D., 1995, Washington University

Christopher Lee Kavanau (2019, 2019)
Assistant Professor of Biological Sciences
B.S., 2004, California State University
Ph.D., 2010, Icahn School of Medicine at Mount Sinai of NYU

Assistant Professor of Mathematics
B.A., 1995, Wittenberg University
M.S., 1999, University of Connecticut
Ph.D., 2003, University of Connecticut

Professor of Chemistry
B.S., 1979, Davidson College
Ph.D., 1984, University of Vermont

Associate Professor of Psychology
B.A., 1998, Rhode Island College
M.A., 2000, Rhode Island College
Ph.D., 2007, New Mexico State University

Laura Kieselbach (2017, 2017)
Assistant Professor of English
B.A., 2000, Pennsylvania State University
M.S., 2011, University of Central Florida
Ph.D. 2018, Northeastern University

Heon Kim (2011, 2016)
Professor of Philosophy and Religious Studies
B.A., 1994, Kankuk University of Foreign Studies
M.A., 2001, Marmara University
M.A., 2005, Temple University
Ph.D., 2008, Temple University

Professor of Computer Science
B.S., 1979, Korea University at Seoul
M.S., 1984, University of Oklahoma
Ph.D., 1988, University of Oklahoma

Jessica Klugh
Instructor, Athletic Trainer
B.S., 2013, Slippery Rock University
M.S., 2016, Ohio University

Alexis Koenig (2019, 2019)
Associate Professor of Nursing
Ed.D., William Howard Taft University
M.S.N., University of Phoenix
A.A.S, Mercer County Community College

Professor of Social Work
B.S.W., 1984, Mansfield University
M.S.W., 1986, Marywood College
Ph.D., 2004, Rutgers University

Associate Professor of Biological Sciences
B.S., 1981, Michigan State University
M.S., 1983, Michigan State University
Ph.D., 1991, City University of New York

Associate Professor of Computer Science
B.S., 1989, Chonnam National University
M.S., 1991, Chonnam National University
Ph.D., 1997, Chonnam National University

Associate Professor of Sport Management
B.A., 2003,Yonsei University
M.S., 2005, Yonsei University
Ph.D., 2009, Texas A&M University

Minkyo Lee (2018, 2018)
Assistant Professor of Sport Management
B.A., 2009, Yonsei University
M.S., 2012, Yonsei University
Ph.D., 2017, Indiana University
Cynthia A. Leenerts (2005, 2010)
*Associate Professor of English*
B.A., 1987, George Mason University
M.A., 1990, George Mason University
Ph.D., 1997, George Washington University

Clare M. Lenhart (2013, 2018)
Associate Professor of Health
B.S., 2002, University of Pittsburgh
M.P.H., 2005, University of Medicine and Dentistry of New Jersey
Ph.D., 2012, Temple University

Paul Lippert (1985, 1998)
*Professor of Communication*
B.A., 1977, University of Michigan
M.A., 1980, New York University
Ph.D., 1990, New York University

*Professor of Chemistry*
B.S., 1982, Lebanon Valley College
Ph.D., 1988, Ohio State University

Joshua Loomis (2015, 2020)
*Associate Professor of Microbiology*
B.S., 1998, University of Florida
Ph.D., 2003, Pennsylvania State University

*Associate Professor of English*
B.A., 1974, University of Florida
M.F.A., 1990, Indiana University

*Associate Professor of Criminal Justice*
B.A., 2001, Pennsylvania State University
M.A., 2005, Rutgers University
Ph.D., 2013, Rutgers University

Monica Manchester (2019, 2019)
*Associate Professor of Nursing*
D.N.P., Drexel University
M.S.N., 2012, Drexel University
B.S.N., 2009, East Stroudsburg University

*Professor of Computer Science*
B.S., 1985, Michigan Technological University
M.S., 1991, University of Lowell
Ph.D., 1999, Air Force Institute of Technology

*Associate Professor of Music*
B.S., 1978, Western Connecticut State College
M.M., 1981, Ithaca College
Artist Diploma, 1987, Hartt School, University of Hartford
Ed.D., 1995, Teachers College, Columbia University

Kenneth M. Mash (1997, 2006)
*Distinguished Professor of Political Science*
B.A., 1987, Queens College, City University of New York
M.A., 1990, Pennsylvania State University
Ph.D., 1997, Pennsylvania State University

Scott Mathers (2020, 2020)
*Assistant Professor of Criminal Justice*
B.S., 1999, Coe College
M.A., 2005, Western Illinois University
Ph.D., 2014, Mississippi State University

Claranne Mathiesen (2019)
*Assistant Professor of Nursing*
B.S., 1985, East Stroudsburg University
M.S., 1993 Villanova University

David Mazure (2010, 2020)
*Professor of Art*
B.F.A, 1998, Rutgers State University of New Jersey
M.F.A, 2009, East Tennessee State University

Andrea M. McClanahan (2003, 2013)
*Professor of Communication*
B.A., 1998, Bloomsburg University
M.A., 1999, Ball State University
Ph.D., 2003, Ohio University

Adam McGlynn (2010, 2020)
*Professor of Political Science*
B.A., 2001, Plattsburgh State University
M.A., 2002, Stony Brook University
Ph.D., 2007, Stony Brook University

*Assistant Professor of Academic Enrichment and Learning*
A.A., 1990, San Bernadino College
B.A., 1992, California State University, San Bernadino
M.Ed., 1994, East Stroudsburg University
D.Ed., 2015, Indiana University of Pennsylvania

Frederick Meitner (2020, 2020)
*Assistant Professor of Hospitality, Recreation & Tourism*
B.B.A., 2013, Columbia Southern University
E.M.B.A., 2015, Strayer University
Graduate Certificate, 2019, Pennsylvania State University
Ph.D., 2020, Iowa State University

Annie Mendoza (2010, 2015)
*Associate Professor of Modern Languages*
B.A., 1998, Marquette University
M.A., 2001, University of Miami
Ph.D., 2010, University of California

Matthew Miltenberger (2013, 2018)
*Associate Professor of Exercise Science*
B.S. 2003, East Stroudsburg University
M.S., 2004, East Stroudsburg University
Ph.D., 2013, Seton Hall University

Ko Mishima (2007, 2019)
*Professor of Political Science*
B.A., 1991, Keio University
Ph.D., 2005, Johns Hopkins University
Professor of Exercise Science
B.A., 1996, Leicester University
M.M.S, 1997, University of Sheffield
Ph.D., 2004, University of Edinburgh

Assistant Professor of Communication
B.A., 2008, Anáhuac University
M.A., 2013, Spring Arbor University
Ph.D., 2017, Duquesne University

Reto Muller (2002, 2012)
Professor of Sociology
B.A., 1980, University of Massachusetts
M.A., 1984, Boston College
Ph.D., 1997, Boston College

Shawn Munford (2006, 2016)
Associate Professor of Exercise Science
B.S., 2001, Bloomsburg University
M.S., 2004, East Stroudsburg University
Ph.D., 2011, Walden University

Associate Professor of Business Management
B.S., 1982, Rutgers University
M.B.A., 1988, New York University
D.P.S., 2003, Pace University

Professor of Economics
B.S., 1981, Indian Institute of Technology
M.S., 1983, National Institute for Training in Industrial Engineering
Ph.D., 1992, State University of New York, Buffalo

Assistant Professor
B.S., 1992, Wilson College
M.Ed., 1995, Shippensburg University
D.Ed., 2009, Indiana University of Pennsylvania

Kristin Noblet (2016, 2016)
Assistant Professor of Mathematics
B.S., 2005, Plymouth State University
M.Ed., 2012, Plymouth State University
Ph.D., 2016, University of Northern Colorado

Associate Professor of History
B.A., 1985, University of Louisiana
M.A., 1991, North Carolina State University
Ph.D, 2009, University of Chicago

Mary Jane O’Merle (2007, 2007)
Instructor of Health
B.S., 1969, East Stroudsburg University
M.S., 1975, East Stroudsburg University

Associate Professor of Digital Media Technologies

Professor of Sociology
B.S., 1977, University of Esfahan
M.S., 1981, University of Missouri
Ph.D., 1992, University of Missouri

Tribhuvan Puri (2016, 2016)
Professor of Business Management
B.Tech., 1973, G.B. Pant University
M.Tech., 1975, Indian Institute of Technology Kanpur
M.A., 1985, University of Tennessee
Ph.D., 1986, University of Tennessee

Samuel E. Quainoo (1998, 2007)
Professor of Political Science
B.A., 1982, University of Ghana
ICSA, Level 1, 1990, England
M.A., 1993, SUNY at Binghamton
Ph.D., 1996, SUNY at Binghamton

Akila T. Rajappa (2019, 2019)
Assistant Professor of Communication Sciences and Disorders
B.S., 1997, Mysore University, India
M.S., 2001, Bangalore University, India
Ph.D., 2019, Columbia University

Professor of Health Studies
B.S., 1993, Springfield College
M.P.H., 1994, East Stroudsburg University
Ph.D., 2005, Marywood University

Van Reidhead (2010, 2014)
Professor of Sociology
B.A., 1971, Brigham Young University
M.A., 1974, Indiana University
Ph.D., 1976, Indiana University

Emily Rolinson (2017, 2017)
Assistant Professor of Biology
B.A., 2009, Skidmore College
Ph.D., 2016, Stony Brook University

Associate Professor of Criminal Justice
B.A., 1990, Rutgers University
M.S., 1998, University of Colorado
Ph.D., 2010, Washington State University

Jerry L. Ross (2016, 2016)
Associate Professor of Physics
B.S., 2003, Alma College
B.A., 2003, Alma College
Ph.D., 2011, Michigan Technological University

Dorian Royal (2020, 2020)
Associate Professor of Nursing
B.S., 1995, New York University  
M.S., 2005, Columbia University  
D.N.P., 2015, Duke University

Associate Professor of Athletic Training  
B.S., 1996, East Stroudsburg University  
M.S., 1997, East Stroudsburg University  
Ph.D., 2005, University of Florida

Professor of Modern Languages  
B.A., 1981, Northwestern University  
M.A., 1990, New York University  
Ph.D., 2002, City University of New York

Alison L. Rutter (2005, 2009)  
Associate Professor of Early Childhood and Elementary Education  
B.A., 1978, Vassar College  
M.A., 1994, Columbia University  
Ph.D., 1999, Columbia University

Jessica Santiago (2019, 2019)  
Assistant Professor, Academic Enrichment and Learning  
B.S., 2003, East Stroudsburg University  
M.S., 2007, Capella University  
Ph.D., 2016, Capella University

Emily Sauer (2010, 2017)  
Associate Professor of Exercise Science  
B.S., 2004, University of Montana  
M.A., 2006, East Carolina University  
Ph.D., 2010, East Carolina University

Professor of Special Education and Rehabilitation  
B.S., 1979, Bloomsburg University  
M.Ed., 1981, Lehigh University  
Ed.D., 1988, Lehigh University

N. Paul Schembari (1991, 2001)  
Professor of Mathematics  
B.S., 1984, Long Island University  
M.A., 1987, Syracuse University  
M.Phil., 1989, Syracuse University  
Ph.D., 1991, Syracuse University

Elizabeth Scott (2017, 2017)  
Assistant Professor, Library Archivist  
B.A., 1996, Dickinson College  
M.A., 1999, University of Albany, SUNY

Jan Selving (2010, 2017)  
Associate Professor of English  
B.A., 1990, Indiana University  
M.F.A., 1994, Arizona State University

Steven Shive (2003, 2012)  
Professor of Health Studies  
B.S., 1985, University of Scranton  
M.S., 1996, Berkley Seminary  
M.A., 1996, Fordham University

M.P.H., 1997, East Stroudsburg University  
Ph.D., 2000, Temple University

Professor of English  
B.A., 1991, Rice University  
M.A., 1994, University of Houston  
Ph.D., 1999, University of Houston

Assistant Professor of Biological Sciences  
B.A., 1975, University of South Florida  
M.A., 1980, University of South Florida  
Ph.D., 1990, University of Texas

Megan Smith (2015, 2015)  
Librarian - Coordinator of Technical Services  
B.A., 2007, Connecticut College  
M.A., 2012, Rutgers University  
NJSPLC, 2012, Thomas Edison State College

Brandon Snyder (2018, 2018)  
Instructor of Exercise Science  
B.A., 2012, East Stroudsburg University  
M.S., 2013, East Stroudsburg University

Professor of Professional and Secondary Education  
B.A., 1991, University of Pennsylvania  
Ph.D., 2007, Pennsylvania State University

Professor of Biology  
B.S., 1990, St. Cloud State University  
Ph.D., 1996, University of Nebraska Medical Center

Robert Thomas (2019, 2019)  
Assistant Professor of Business Management  
B.S., 1985, Kings College  
M.B.A., 2013, University of Scranton

Professor, Academic Enrichment and Learning/Undeclared Major Adviser  
B.A., 1981, King’s College  
Ph.D., 1996, Temple University  

Nancy P. VanArsdale (1990, 1999)  
Professor of English  
B.A., 1979, Bucknell University  
M.A., 1981, New York University  
Ph.D., 1991, New York University

Keith Vanic (2005, 2010)  
Associate Professor of Athletic Training  
B.S., 1994, East Stroudsburg University  
M.S., 1996, James Madison University  
Ph.D., 1998, University of Southern Mississippi

Assistant Professor of Nursing
B.S., 1987, West Chester University
B.S.N., 2003, Cedar Crest College
M.S.N. 2009, DeSales University
D.N.P., 2016, DeSales University

Jasmine Villa (2018, 2018)
Assistant Professor of English
B.A., 2011, University of Texas at El Paso
M.A., 2014, University of Texas at El Paso
Ph.D., 2018, University of Texas at El Paso

Carol Walker (2019)
Assistant Professor of Digital Media Technologies
B.A., 2001, St. Joseph’s College
B.A., 2001, St. Joseph’s College
M.A., 2004, East Stroudsburg University
M.Ed., 2008, East Stroudsburg University
Ph.D., 2012, Indiana University of Pennsylvania

Professor of Biological Sciences
B.S., 1995, University of Connecticut
M.S., 1999, North Carolina State University
Ph.D., 2003, North Carolina State University

Associate Professor of Business Management
B.A., 1995, National Chengchi University
M.B.A., 2004, Ohio State University
Ph.D., 2010, Southern Illinois University

Laura Waters (2006, 2013)
Associate Professor of Nursing
B.S.N., 1983, College Misericordia
M.S., 1996, Wilkes University
Ph.D., 2009, Widener University

Shawn Watkins; (2010, 2016)
Associate Professor of Reading
B.S., 1998, California University
M.Ed., 2006, University of Mississippi

Kristopher R. Weeks (2020, 2020)
Assistant Professor of Communication
B.A., 2004, Shippensburg University
M.A., 2007, Montclair State University
Ph.D., 2020, University of Illinois

Holly Wells (2013, 2019)
Associate Professor of English
B.A., 1988, Youngstown State University
M.A., 2001, Youngstown State University
Ph.D., 2012, Kent State University

Professor of Biological Sciences
B.S., 1981, Hobart College
M.S., 1987, University of Vermont
M.S., 1989, University of Florida
Ph.D., 1995, University of Massachusetts

Professor of Physical Education
B.S., 1975, West Chester University
M.Ed., 1980, West Chester University
Ph.D., 1999, Temple University

Jennifer L. White (2005, 2013)
Associate Professor of Biological Sciences
B.A., 1986, Dartmouth College
Ph.D., 1993, SUNY at Stony Brook

Assistant Professor of Biological Sciences
B.S., 1984, Wright State University
Ph.D., 1993, SUNY at Stony Brook

Associate Professor of Biological Sciences
B.S., 1988, Lafayette College
Ph.D., 1996, Washington University

Allyson Wind
Assistant Professor - Library
B.S., 2006, University of Scranton
M.S., 2012, Drexel University iSchool

Chad A. Witmer (2000, 2016)
Professor of Exercise Science
B.S., 1995, East Stroudsburg University
M.Ed., 1998, East Stroudsburg University

Rachel Wolf (2011, 2011)
Associate Professor of Communication Sciences and Disorders
B.A., 1995, University of Vermont
M.S., 1997, Northern University
Ph.D., 2009, New York University

Katrin Wolfe
Instructor, Athletics
B.S., 2006, Penn State University
M.S., 2008 West Penn State University
Ph.D., 2013, University of Pittsburgh

Yue Xi (2013, 2018)
Associate Professor of Business and Management
B.S., 2000, Capital University of Economics and Business, Beijing, China
M.S., 2004, University of Wisconsin-Platteville
Ph.D., 2013, University of Wisconsin-Milwaukee

Weichu Xu (2014, 2019)
Associate Professor of Business Management
B.E., 1995, Zhejiang University, Hangzhou Zhejiang, China
M.B.A., 2005, Purdue University
Ph.D., 2010, Old Dominion University

Wenjie Yan (1993, 2006)
Professor of Communication
Xi (Tina) Yang (2019, 2019)
Assistant Professor of Business Management
B.A., 2010, Shanxi University
M.A., 2014, University of Texas Pan American
Ph.D., 2019, University of Texas Rio Grande Valley

Jennifer M. Young (2005, 2005)
Assistant Professor, Counseling and Psychological Services
B.A., 1994, Marist College
M.A., 1998, Suffolk University
Ph.D., 2002, Suffolk University

Ahmed Yousof, (2019, 2019)
Assistant Professor of Digital Media and Technology
M.A., 2002, The American University in Cairo
Ph.D., 2017, Indiana University of Pennsylvania

Professor of Communication
B.A., 1993, Anadolu University
M.A., 1995, Anadolu University
M.A., 1999, Morehead State University
Ph.D., 2007, Duquesne University

Peng Zhang (2009, 2020)
Professor of Physical Education
B.Ed., 2001, Beijing Sport University
M.Ed., 2004, Beijing Sport University
Ph.D., 2008, Ohio State University

Xuemao Zhang (2015, 2020)
Associate Professor of Mathematics
B.S., 1999, Qufu Normal University
M.S., 2005, 2006, University of Windsor
Ph.D., 2011, University of Windsor

Xiaochen Zhou (2018, 2018)
Assistant Professor of Sport Management
B.A., 2012, Beijing Sport University
M.S., 2014, University of Michigan
Ph.D., 2018, Temple University

Michelle Zuccarini (2019, 2019)
Instructor of Nursing
M.S.N., 2010, Drexel University
B.S.N., 1996, Seton Hall University