2021-2022
Undergraduate Catalog

EAST STROUDSBURG UNIVERSITY

A Member of Pennsylvania's State System of Higher Education

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Policies are subject to change and will be reflected in a catalog revision available on the website, esu.edu.

2021-2022 Undergraduate Catalog

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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.

Mission

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 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 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.

General Information

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 14 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.

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, 3624 Market St., Philadelphia, PA 19104, 215-662-5606. The Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Commission on Recognition of Postsecondary Education.

Accreditations awarded to academic programs include:

- All eligible teacher education programs offered by East Stroudsburg University are accredited by the National Council for Accreditation of Teacher Education and approved by the Pennsylvania Department of Education.
- The undergraduate Athletic Training Professional Practice degree program and the graduate Athletic Training degree program are accredited by the Commission on Accreditation of Athletic Training Education.
- Th undergraduate Biochemistry degree program is accredited by the American Society for Biochemistry and Molecular Biology.
- The undergraduate Computer Science program is accredited by the Computing Accreditation Commission of ABET (Board of Engineering and Technology).
- The undergraduate Exercise Physiology, Sport and Exercise Conditioning, and graduate Exercise Science degree programs are accredited by the Commission on Accreditation of Allied Health Education Programs.
- The undergraduate Hotel, Restaurant & Tourism degree program is accredited by Accreditation Commission for Programs in Hospitality Administration.
- The undergraduate Nursing degree program is accredited by the Accreditation Commission for Education in Nursing (ACEN). In addition, the program is approved by the Pennsylvania State Board of Nursing.
- The undergraduate and the graduate Public Health degree programs are accredited by the Council on Education for Public Health.
- The undergraduate Recreation Services Management degree program is accredited by the Council on the Accreditation of Parks, Recreation, Tourism and Related Professions (COARPT).
- The undergraduate Social Work degree program is accredited by the Council on Social Work Education.
- The graduate Speech-Language Pathology degree program is accredited by the Council of Academic Accreditation of the American Speech-Language-Hearing Association.

Pennsylvania's State System of Higher Education

East Stroudsburg University of Pennsylvania is a member of the Pennsylvania's State System of Higher Education.

Pennsylvania's 14 public universities comprise the State System, with a combined enrollment of more than 100,000 making it the largest provider of higher education in the Commonwealth.

The 14 State System universities offer degree and certificate programs in more than 120 areas of study. Approximately 500,000 PASSHE alumni live and work in Pennsylvania.

The 14 State System universities are Bloomsburg, California, Cheyney, Clarion, East Stroudsburg, Edinboro, Indiana, Kutztown, Lock Haven, Mansfield, Millersville, Shippensburg, Slippery Rock and West Chester Universities of Pennsylvania.

Title IX of the Education Amendments of 1972

East Stroudsburg University and its faculty are committed to assuring a safe and productive educational environment for all students. 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:

ESU web page, *Title IX: Sexual Harassment and Sexual Violence*, esu.edu/titleix

The Campus and Academic Buildings

The campus of East Stroudsburg University includes 63 buildings located on approximately 258 acres in East Stroudsburg Borough and Smithfield Township.

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.

- The 130,600-squarefoot Warren E. '55 and Sandra Hoeffner Science & Technology Center opened in August 2008. The facility includes a planetarium and observatory, as well as a wildlife museum of natural history as well as 17 teaching laboratories, nine research laboratories, a multi-use 200-seat auditorium, classrooms, and offices. In addition to serving our students the museum, planetarium and observatory also provide an educational venue for school children who visit there throughout the year as well as public viewings/shows on weekends.
- Stroud Hall remains the primary academic building at ESU. This four-story classroom building contains lecture halls, computer and language laboratories, instructional spaces, and office areas.
- Beers Lecture Hall, which opened in 1997, seats 150 students and serves as a distance learning facility.
- The Fine and Performing Arts Center consists of two theaters, a gallery, concert hall, rehearsal areas, various art studios, and classrooms.
- The Koehler Fieldhouse and Natatorium serves as the primary physical education and intercollegiate athletics facility.
- Zimbar-Liljenstein Hall houses the Graduate & Extended Studies office, the Student Enrollment Center, a teaching gymnasium, and academic classrooms and office areas for physical education and sport management, as well as the Mekeel Child Care Center.
- The Moore Biology Building contains a large group lecture hall, a greenhouse and wildlife museum as well as classroom and lecture spaces.
- Gessner Science Hall is home to ESU's Business and Management College and features a Bloomberg Lab facility which opened in 2018.
- DeNike Center for Human Services houses classrooms and has laboratory areas for the departments of health, nursing, and recreation services management
- Rosenkrans Hall, is where you'll find academic facilities for digital media and technologies classrooms and labs.
- The renovated, 30,200-square foot Monroe Hall reopened in August 2012. Converted from a residence hall to instructional space, this facility contains two computer laboratories, four classrooms, a 68-seat stepped auditorium, three conference rooms, and offices. It also houses the ESU Communication Sciences & Disorders department along with the Communication department.

The nine residence halls include six traditional residence halls and the addition of three suite-style housing facilities, built since 2017. 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.

Each of the suite-style facilities houses a separate university function. The University Police Station is housed on the ground floor of Hemlock Hall; an alternative recreation center and spin studio may be found on the ground floor of Hawthorn Hall; and a Health and Wellness Center for students will soon be established in the ground floor of Sycamore Suites.

Meals are served to students in Dansbury Commons, the main dining hall for campus. In addition to the capability of feeding up to 1,000 students at a time, Dansbury Commons is also home to a Starbucks, a multi-purpose room for campus meetings and initiatives as well as a P.O.D. (Provisions on Demand) for students who need a quick grab-and-go snack or meal.

ESU's current University Center includes a food court, commuter lounge, game room, student activities offices, and the University Store. But change is on its way as we prepare to break ground for a new Keystone Commons. This new state-of-the-art facility will include a career services center, a multicultural center, an international center, a student veterans center, an eSports gaming room, student senate and club offices, W.E.S.S. (the student radio station), The Stroud Courier (the student newspaper), a food court and the bookstore.

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.

ESU also boasts the 6,430 square-foot Abeloff Center for the Performing Arts, an auditorium space that seats approximately 800 individuals and is home to many different meetings, musical and dance performances, concerts and guest speakers.

Located in Smithfield Township, ESU's Center for Innovation and Entrepreneurship, built in 2010, is located on the corner 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 smart phone. 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

Academic Calendar

Fall 2021

Students can expect to see their bill with due date in their MyESU portal after August 10	August 10
Residence Halls Open	August 28
Fall 2021 Courses Begin	August 30
Last Day to Drop Quarter 1 Course as No Grade	September 2
Last Day to Add Quarter 1 Course	September 2
Quarter 1 Withdrawal (W) Grade Period Begins	September 3
Labor Day - No Classes	September 6
Classes Resume	September 7
Last Day to Drop Semester Course as No Grade	September 7
Last Day to Add Semester Course	September 7
Semester Withdrawal (W) Grade Period Begins	September 8
Priority Deadline to Submit "Intent to Graduate" Application for Fall 2020 Graduation (December) for Undergraduate and Graduate Students	September 20
Priority Deadline to Submit "Intent to Graduate" Application for Winter 2021 Graduation (January) for Undergraduate and Graduate Students	September 20
Last Day to Withdraw (W) from Quarter 1 Course	October 1
Fall Break - No Classes	October 11
Midterm Grade Links Open for Faculty	October 12
Switch Day - Monday Schedule	October 12
Quarter 1 Ends	October 20
Quarter 2 Begins	October 21
Faculty Deadline to Submit Midterm Grades to Registrar's Office by 9:00 AM	October 22
Last Day to Drop Quarter 2 Course as No Grade	October 24
Last Day to Add Quarter 2 Course	October 24
Quarter 2 Withdrawal (W) Grade Period Begins	October 25
Last Day to Withdraw (W) from Semester Course	November 4
Winter 2022 Registration Begins	November 4
Spring 2022 Registration Begins	November 4
Last Day to Withdraw (W) from Quarter 2 Course	November 23
Thanksgiving Break Begins - No Classes	November 24
Classes Resume	November 29
Final Grade Links Open for Faculty	December 9
Quarter 2 Ends	December 10
Final Exam Week Begins	December 13
Fall Semester Ends	December 17
Residence Halls Close	December 17
Undergraduate & Graduate Commencement Pending	December 18
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	December 23

* All calendar dates are subject to change.

Fall 2020 - Extended Learning

Extended Learning Fall A1 - 8 Weeks

August 10 - October 3, 2020

Extended Learning A1 Courses Begin	August 10
Last Day to Drop A1 Course as No Grade	August 15
Last Day to Add A1 Course	August 15
A1 Withdrawal (W) Grade Period Begins	August 16
Last Day to Withdraw (W) from A1 Course	September 12
Grade Links Open for Faculty	October 1
A1 Ends	October 3
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	October 8

Extended Learning Fall AA - 9 Weeks

August 10 - October 10, 2020

Extended Learning AA Courses Begin	August 10
Last Day to Drop AA Course as No Grade	August 15
Last Day to Add AA Course	August 15
AA Withdrawal (W) Grade Period Begins	August 16
Last Day to Withdraw (W) from AA Course	September 12
Grade Links Open for Faculty	October 8
AA Ends	October 10
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	October 15

Extended Learning Fall AB - 9 Weeks

October 13 - December 12, 2020

Extended Learning AB Courses Begin	October 13
Last Day to Drop AB Course as No Grade	October 18
Last Day to Add AB Course	October 18
AB Withdrawal (W) Grade Period Begins	October 19
Last Day to Withdraw (W) from AB Course	November 15
Grade Links Open for Faculty	December 10
AB Ends	December 12
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	December 17

Extended Learning Late Fall A2 - 8 Weeks

October 19 - December 12, 2020

Extended Learning A2 Courses Begin	October 19
Last Day to Drop A2 Course as No Grade	October 25
Last Day to Add A2 Course	October 25
A2 Withdrawal (W) Grade Period Begins	October 26
Last Day to Withdraw (W) from A2 Course	November 21
Grade Links Open for Faculty	December 10
A2 Ends	December 12
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	December 17

* Please note there is a separate Fall 2020 calendar.

Winter 2022

Winter Courses Begin	December 20
Last Day to Drop Winter Course as No Grade	December 22
Last Day to Add Winter Course	December 22
Winter Withdrawal (W) Grade Period Begins	December 23
Christmas - No Classes	December 25
New Year's Day - No Classes	January 1
Last Day to Withdraw (W) from Winter Course	January 6
Grade Links Open for Faculty	January 6
Winter Ends	January 14
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	January 20

Spring 2022

Spring 2022 Bills Due	January 3

Residence Halls Open	January 16
Spring Courses Begin	January 18
Winter Session Faculty Deadline for Submitting Final Grades to Registrar's Office by 9:00 AM	January 20
Last Day to Drop Quarter 3 Course as No Grade	January 21
Last Day to Add Quarter 3 Course	January 21
Quarter 3 Withdrawal (W) Grade Period Begins	January 22
Last Day to Drop Semester Course as No Grade	January 25
Last Day to Add Semester Course	January 25
Semester Withdrawal (W) Grade Period Begins	January 26
Priority Deadline to Submit "Intent to Graduate" Application for Spring 2022 Graduation (May) for Undergraduate and Graduate Students	February 7
Priority Deadline to Submit Graduate "Intent to Graduate" Application for Summer 2022 Graduation (August) for Undergraduate and Graduate Students	February 7
Last Day to Withdraw (W) from Quarter 3 course	February 18
Spring Break Begins - No Classes	March 7
Classes Resume	March 14
Quarter 3 Ends	March 16
Midterm Grade Links Open for Faculty	March 16
Quarter 4 Begins	March 17
Last Day to Drop Quarter 4 Course as No Grade	March 21
Last Day to Add Quarter 4 Course	March 21
Quarter 4 Withdrawal (W) Grade Period Begins	March 22
Faculty Deadline to Submit Midterm Grades to Registrar's Office by 9:00 AM	March 25
Last Day to Withdraw (W) from Semester Course	April 4
Last Day to Withdraw (W) from Quarter 4 Course	April 14
Final Grade Links Opens for Faculty	April 29
FAFSA Priority Deadline for Continuing Students to be Considered for Institutional Funding	May 2
Quarter 4 Ends	May 2
Final Exam Week Begins	May 3
Spring Semester Ends	May 6
Graduate Commencement Pending	May 6
Residence Halls Close	May 6
Undergraduate Commencement Pending	May 7
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	May 13

* All calendar dates are subject to change.

Spring 2021 - Extended Learning

Extended Learning Spring A3 - 8 Weeks

January 4 - February 27, 2021

Extended Learning A3 Courses Begin	January 4
Last Day to Drop A3 Course as No Grade	January 9
Last Day to Add A3 Course	January 9
A3 Withdrawal (W) Grade Period Begins	January 10
Last Day to Withdraw (W) from A3 Course	February 6
Grade Links Open for Faculty	February 18
A3 Ends	February 27
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	March 4

Extended Learning Spring AC - 9 Weeks

January 4 - March 6, 2021

Extended Learning AC Courses Begin	January 4

Last Day to Drop AC Course as No Grade	January 9
Last Day to Add AC Course	January 9
AC Withdrawal (W) Grade Period Begins	January 10
Last Day to Withdraw (W) from AC Course	February 8
Grade Links Open for Faculty	February 18
AC Ends	March 6
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	March 11

Extended Learning Spring AD - 9 Weeks

March 8 - May 8, 2021

Extended Learning AD Courses Begin	March 8
Last Day to Drop AD Course as No Grade	March 13
Last Day to Add AD Course	March 13
AD Withdrawal (W) Grade Period Begins	March 14
Last Day to Withdraw (W) from AD Course	April 13
Grade Links Open for Faculty	April 29
AD Ends	May 8
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	May 13

Extended Learning Late Spring A4 - 8 Weeks

March 15 - May 8, 2021

Extended Learning A4 Courses Begin	March 15
Last Day to Drop A4 Course as No Grade	March 20
Last Day to Add A4 Course	March 20
A4 Withdrawal (W) Grade Period Begins	March 21
Last Day to Withdraw (W) from A4 Course	April 14
Grade Links Open for Faculty	April 29
A4 Ends	May 8
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	May 13

* Please note there is a separate Spring 2021 calendar.

Summer 2022

Summer 2022

Full Summer - 12 Weeks

May 16 - August 5, 2022

Full Summer Courses Begin	May 16
Last Day to Drop Full Summer Course as No Grade	May 24
Last Day to Add Full Summer Course	May 24
Full Summer Withdrawal (W) Grade Period Begins	May 25
Memorial Day - No Classes	May 30
Last Day to Withdraw (W) from Full Summer Course	May 30
Fourth of July - No Classes	July 4
Grade Links Open for Faculty	July 28
Full Summer Ends	August 5
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	August 11

Summer Session 4A - 4 Weeks

May 16 - June 10, 2022

4A Courses Begin	May 16
Last Day to Drop 4A Course as No Grade	May 18
Last Day to Add 4A Course	May 18
4A Withdrawal (W) Grade Period Begins	May 19

Memorial Day - No Classes	May 30
Last Day to Withdraw (W) from 4A Course	June 1
Grade Links Open for Faculty	June 2
4A Ends	June 10
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	June 16

Summer Session 8A - 8 Weeks

May 16 - July 8, 2022

8A Courses Begin	May 16
Last Day to Drop 8A Course as No Grade	May 20
Last Day to Add 8A Course	May 20
8A Withdrawal (W) Grade Period Begins	May 21
Memorial Day - No Classes	May 30
Last Day to Withdraw (W) from 8A Course	June 17
Grade Links Open for Faculty	June 30
Fourth of July - No Classes	July 4
8A Ends	July 8
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	July 14

Summer Session 4B - 4 Weeks

June 13 - July 8, 2022

4B Courses Begin	June 13
Last Day to Drop 4B Course as No Grade	June 15
Last Day to Add 4B Course	June 15
4B Withdrawal (W) Grade Period Begins	June 16
Last Day to Withdraw (W) from 4B Course	June 28
Grade Links Open for Faculty	June 30
Fourth of July - No Classes	July 4
4B Ends	July 8
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	July 14

Summer Session 8B - 8 Weeks

June 13 - August 5, 2022

8B Courses Begin	June 13
Last Day to Drop 8B Course as No Grade	June 17
Last Day to Add 8B Course	June 17
8B Withdrawal (W) Grade Period Begins	June 18
Fourth of July - No Classes	July 4
Last Day to Withdraw (W) from 8B Course	July 15
Grade Links Open for Faculty	July 28
8B Ends	August 5
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	August 11

Summer Session 4C - 4 Weeks

July 11 - August 5, 2022

4C Courses Begin	July 11
Last Day to Drop 4C Course as No Grade	July 13
Last Day to Add 4C Course	July 13
4C Withdrawal (W) Grade Period Begins	July 14
Last Day to Withdraw (W) from 4C Course	July 27
Grade Links Open for Faculty	July 28
4C Ends	August 5

Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	August 11

** All calendar dates are subject to change.

Summer 2021 - Extended Learning

Extended Learning Summer A7 - 8 Weeks

May 24 - July 17, 2021

A7 Courses Begin	May 24
Last Day to Drop A7 Course as No Grade	May 29
Last Day to Add A7 Course	May 29
A7 Withdrawal (W) Grade Period Begins	May 30
Last Day to Withdraw (W) from A7 Course	June 25
Grade Links Open for Faculty	July 8
A7 Ends	July 17
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	July 22

Extended Learning Summer A8 - 9 Weeks

May 24 - July 24, 2021

A8 Courses Begin	May 24
Last Day to Drop A8 Course as No Grade	May 29
Last Day to Add A8 Course	May 29
A8 Withdrawal (W) Grade Period Begins	May 30
Last Day to Withdraw (W) from A8 Course	July 2
Grade Links Open for Faculty	July 15
A8 Ends	July 24
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 AM	July 29

* Please note there is a separate Summer 2021 calendar.

** All calendar dates are subject to change.

Admission

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 2021 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 2022 Semester	
November 12, 2021	Regular Admission*
Fall 2021 Semester	
November 12, 2021	Early Action Admission (recommended for scholarships and competitive programs
February 1, 2022	Priority Admission
April 1, 2022	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 transcript[1]
- Official college transcript (if applicable)
- SAT and/or ACT test results[2]

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 scores if they are: home schooled, a recruited student athlete, or are interested in select scholarships, the University Honors Program, or one of the following academic programs: Biology: Pre-Medicine, Biology: Pre-Physical Therapy; Biology: Pre-Physician Assistant, Computer Science, Computer Security, Nursing.

All applicants are encouraged to submit SAT and/or ACT scores for scholarship consideration. Additionally, standardized test scores are used to determine placement in English and Math courses. Many applicants offered admission should submit their test scores after having been offered admission.

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 ESU issued ID number.
- Applications are reviewed beginning in September. Admissions decisions may be communicated by email and/or postal mail. Applicants can also check their status online 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

Recruitment Activity Practice

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.

Transfer Applicants

Who is a Transfer Applicant?

East Stroudsburg University welcomes more than 700 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 freshmen in the application process, and will be evaluated using a combination of their college course grades, high school record, and SAT/ACT scores.

Application Dates

Prospective transfer students can apply starting July 2019 to be reviewed for the Spring or Fall 2020 semesters. The application is available online at esu.edu/apply.

Spring 2021 Semester	
November 13, 2020	Regular Admission*

Fall 2021 Semester	
March 1, 2021	Priority Admission
May 1, 2021	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)

Fall applicants must submit final spring term grades and spring applicants must submit final fall term grades. 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 they 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 September. Admission decisions may be communicated by email and/or postal mail. Applicants can also check their status online for real-time updates.
- Applicants to Nursing are reviewed for fall only, and may not receive an admission decision until later in the admission cycle. This process allows additional review time to determine the appropriate candidates for the limited seats in these programs.

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
- 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
  - 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 final 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

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 interested in returning to ESU who have not been enrolled at another institution during their time away from ESU must complete a Readmission Application at esu.edu/apply.

Students who have attended another institution since leaving ESU must complete a transfer student application at esu.edu/apply.

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.

Students are readmitted based on the current catalog requirements for the semester they will be resuming their studies. Depending on how long you have been away, requirements in your program may have changed.

When to Apply

Former students seeking to be readmitted can apply to be reviewed for the Spring or Fall 2020 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 or to improve their academic standing before gaining admission as a degree-seeking student. A non-degree student is permitted to take courses at ESU, but is not admitted to any degree-granting program.

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. Applicants who have been denied admission as degree-seeking students and who wish to improve their academic standing;
3. Eligible senior citizens (see "Senior Citizens"); and
4. 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 2020 to be reviewed for the Spring or Fall 2021 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 a non-degree application. 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 admission requirements are similar to those for freshman applicants:

1. An official high school transcript.
2. Official SAT and/or ACT scores.
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 2020 for the Spring or Fall 2021 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 2021 Semester	November 1, 2020
Fall 2021 Semester	May 1, 2021

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 sponsorship 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 2021 semester, applications will be reviewed beginning in November and applicants will be notified by December. For the Fall 2021 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).

Academic Regulations

Additional information on Academic Regulations is available in the Student Handbook.

Attendance

Each professor will determine a class attendance policy for each course. The professor must notify students of the class attendance policy at the start of the semester and may do so by posting attendance requirements on the course syllabus. A copy of the policy must be kept on file in the department office. 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. Class attendance may impact a student's course grade per the stated attendance policy.

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 March 2, 2020)*

The Dean of Students provides assistance and support for students who miss a *minimum of three class days* due to illness, personal or family emergencies. 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 the absence.

To utilize this service, the student or family member completes the "Request Instructor Notification for Extended Absences Form" including supporting documentation related to the 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 to discuss options.

Academic Credit Hour Policy

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.

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

**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

Undergraduate Catalog Policy

(As applicable for Academic Programs/Majors/Minors)

An undergraduate student is subject to the academic requirements and regulations contained in the catalog for their program in effect during the semester in which the student is first registered as a matriculated student. The only exceptions to this policy are stated below:

1. A student who first attends the university during the summer will be subject to the requirements and regulations in effect for the following academic year.
2. A student who declares or changes a major or other academic program (minor, concentration) after matriculation is subject to the program requirements as outlined in the catalog in effect at the time of declaration or program change.
3. 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.

4. 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 who are dismissed from the university for academic or disciplinary reasons.**
5. Some programs are subject to requirements that originate with legal and governing authorities outside the university (for example, requirements for teacher 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.
6. 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 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.

Changes in program should be requested only after careful counseling and planning. All such changes can be made by going into the MyESU Portal and clicking on the eWarrior tab. Students will see information to change their undergraduate program of study/curriculum. 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 before 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.

Registration for Semesters/Sessions

Registration is the method of ensuring continuous matriculation in an academic program. Students register for courses each semester for a subsequent semester. That is, registration for fall takes place in April, registration for winter and spring sessions takes place in October, and registration for summer sessions takes place in January. A student's course schedule is regarded as a contract and determines official enrollment. A full-time undergraduate student credit load for a regular semester is 12-18 credits. Special permission is needed for students registering for more than 18 credits. Additional tuition charges will apply.

Registration in non-classroom courses such as Individualized Instruction, Independent Study and Internships is initiated by the student by completing a Non-Classroom Card Request. Students should work with their academic department and college to secure approving signatures. Approved requests are added to the student's schedule by the Registrar in the Student Enrollment Center.

Changes to Enrollment/Class Schedule

Courses may be added during the first eight calendar days for spring and fall semester through the student portal myESU.

Courses may be dropped (no record on academic transcript) during the first eight calendar days of the semester for spring and fall semesters through the student portal myESU.

Students who withdraw from a course beginning day nine through week 10 will receive a grade of "W" for that course on their permanent record. Instructor permission may be required to withdraw from a course.

After the 10th week the student may withdraw only if there are extraordinary circumstances (e.g. illness, death in the family, etc.). In this situation the student must also secure the appropriate dean's signature and submit it to the Student Enrollment Center. A grade of "W" will be assigned if the student is passing; "Z" will be assigned if the student is failing.

Any student who discontinues attendance in a course without formally withdrawing will be assigned an "E" as a final grade. Through the class roster verification process, a student who has not attended a course during the first week (first five class days of the semester or first two days of summer session) may be dropped from the course by the instructor.

A student may withdraw ("W" or "Z") from a maximum of 16 credits during the student's stay at the university. Any course dropped during the first week of the semester, for which no grade is assigned, will not be counted toward this limit, nor will received for a total semester withdrawal from the university.

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.

Type of Action	Semester	Quarter	Summer Session 3 weeks	Summer or Winter Session 6 weeks
No record on academic transcript	Day 8	First 4 days	1st day	2 days
Grade of W	Day 9	4th day through 5th week	2nd day through 2nd week	3rd day through 4th week
No withdrawal*	11th through 15th week	6th through 7 1/2 week	3rd week	5th through 6th week

**Except for extraordinary circumstances as previously defined.*

Total University Withdrawal

Students who are withdrawing from all courses for an upcoming semester should contact the Student Enrollment Center with name, ID, the semester not attending and reason for withdrawing from the university.

Students who withdraw from all courses during the first 8 days of the semester and have engaged in academic related activity during this period will receive a grade of "W" (withdraw) on their transcript. Academic related activity include but are not limited to the following:

- Physically attending a class where there is an opportunity for direct interaction between the instructor and students.
- Submitting an academic assignment.
- Taking an exam, completing an interactive tutorial, or participating in computer assisted instruction.
- Attending a study group that is assigned by the school.
- Participating in an online discussion about academic matters.
- Initiating contact with a faculty member to ask a question about the academic subject studied in the course.

Auditing Courses

A student desiring to audit a course must submit an official request to the Student Enrollment Center after securing the approval of the professor of the course. A change of registration from credit to audit or from audit to credit may occur only during the first eight calendar days of the semester. 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.

Accelerated Pathways

A number of undergraduate degree programs have accelerated pathway options linked with graduate degree programs. The current accelerated pathway options are:

1. BS, Athletic Training	***-to-***	MS, Athletic Training
2. BS, Biology	***-to-***	MS, Biology
3. BA, Communication	***-to-***	MA, Communication
4. BA, English	***-to-***	MA, Professional and Digital Media Writing
5. BA, History	***-to-***	MA, History
6. BA, Political Science	***-to-***	MA, Political Science, or MS, Management and Leadership-Public Administration
7. BS, Sports Management	***-to-***	MS, Sports Management, or MS, Management and Leadership-Sports Management

An undergraduate student, majoring in a program that has an accelerated pathway with a corresponding graduate program (see the list above), and who meets the requirements for participating in an accelerated pathway may have the opportunity to take graduate level courses, which will count both toward the completion of the undergraduate degree and graduate degree. Each academic department determines the number of graduate credits that can be taken. Please check the specific program in the undergraduate catalog for the amount of graduate credits that can be taken to count towards both the undergraduate and graduate degrees. Students are encouraged to meet with their academic advisors before electing to participate in the accelerated pathway.

In order to qualify to participate in an accelerated pathway, the 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. If the intended graduate program requires a higher GPA, the student must meet the higher GPA before taking graduate courses. Each accelerated pathway option has specific requirements. Please check the specific program in the undergraduate catalog for those specific requirements.

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.

A student doing an accelerated pathway may be provisionally accepted into the respective graduate program and formally admitted upon completion of his/her undergraduate degree so long as all the other program admission requirements have been met (see complete graduate degree program admission requirements in the graduate catalog).

Undergraduate Students Taking Graduate Courses

ESU 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, 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. This must be submitted to the Student Enrollment Center.

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.

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.

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.

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
C-	1.667 quality points
D	1.0 quality points
E	0 quality points

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 year 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-year 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.

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 returning from academic suspension 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 Admissions 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.

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 can 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.

c. Students cannot use the Visiting Student Program to repeat courses.

d. Students cannot use the Visiting Student Program for internship or practica that are required for licensure or certification without the express written permission of their appropriate university officials at the home university and placement availability at the requested institution.

5. The student shall register at, and pay tuition and fees to, the state system university visited. A student wishing to divide a course load between two institutions during the same term shall register and pay appropriate tuition and fees at both universities.

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.

Class Standing/Classification Level

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

Semester Hours Completed	Class
0-29.9	Freshman
30-59.9	Sophomore
60-89.9	Junior
90 and over	Senior

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 September 16 for Fall 2020 and Winter 2021 degree conferral, February 11 for Spring 2021 degree conferral and May 9 for Summer 2021 degree conferral. The university holds three commencement exercises during the academic year, one at the end of the fall semester and two at the end of the spring semester. Students graduating in the Winter term may participate in the December commencement ceremony and students graduating in the Summer term may participate in the May or December 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 fall and spring semesters 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 December commencement ceremony, students must complete or be on track to complete their degree requirements by the end of the summer, fall or winter terms.
- 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 courseswork 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 Degrees

Students wishing to earn dual degrees (both a Bachelor of Science and a Bachelor of Arts) must earn a minimum of 120 credit hours while completing all requirements for multiple majors and the general education competencies.

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.

National Honor Societies

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

Additional information on Academic Regulations is available in the Student Handbook.

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 Determining 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

Return of Title IV Funds Information

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:

First Week:	100%
Second Week:	80%
Third Week:	60%
Fourth Week:	50%
Fifth Week:	40%
Sixth Week and after:	No refund due

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); and,
- 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:

0-29 credits	$5,500
30-59 credits	$6,500
60-89 credits	$7,500
90 credits & over	$7,500

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, literary 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. For a list of scholarships offered by the university, www.esu.edu/scholarships.

Financial Aid 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.

Campus Life

Opportunities for participation in co-curricular activities at the university are virtually unlimited. Learning outside the classroom is considered to be an integral part of the student's personal growth and development.

Athletics

Intercollegiate

The intercollegiate athletic program at East Stroudsburg University provides a quality educational opportunity for skilled students to maximize their sport abilities by means of competition against other colleges and universities. This is complemented by the enrichment of student-life experiences and the promotion of alumni-community relations.

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

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.

Campus Rec & Wellness Sport Activities

The Campus Rec & Wellness department offers league sports to students throughout the year. This enables participants to form teams in a seasonal format. The entire program is voluntary for those who are not regular members of varsity or junior varsity squads and does not require the intensified training or high degree of skill necessary for intercollegiate athletics. Sports offered during the year include flag football, soccer, volleyball, softball, and basketball, to name a few. Opportunities for participation are available in recreational and competitive leagues.

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.

Housing Information

The campus contains five traditional residence halls, three new 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 Residence Halls Information and Policies brochure. 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 40 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.)

Off-campus housing information for upper-class and graduate students is available on the Residence Life and Housing homepage.

Transfer Student Housing

On-campus housing is guaranteed for incoming transfer students, who pay the Enrollment Fee and complete the on-line housing application by the published June 1 deadline. Beyond that, offers are made as space becomes available, and on a first-come, first-served basis.

Off-Campus Housing List

Residence Life and Housing provides students with a list of off-campus housing opportunities. This list contains apartment and room rental availability throughout the surrounding area. The list contains a brief description of the units, including information on rental charge and utilities. The rooms/units listed are not inspected by the university and the university does not represent the landlord or tenant. The Residence Life and Housing Office acts only as a clearinghouse for this information. The off-campus housing opportunities can also be found at: esu.edu/och

Off-Campus Housing Guide

The Guide to Off-Campus Living is designed to offer the student guidance on what to look for when deciding to live off campus. It also provides information on how to inspect a dwelling and provides tips for reviewing a lease agreement. A copy of this guide may be obtained from the Residence Life and Housing Office in Hemlock Hall.

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.

Students who enter the university in the spring semester participate in a one-day orientation program in January. For further information, visit 403 Normal Street or call at 570-422-2862.

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.

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.

Student and Community Services

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.

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.

Sports Activities: Please see the Athletics section.

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.

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 or visit esu.edu/campusministry.

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.*

Community Dance Program for Children

The Community Dance Program is for children ages 4 to 12. Qualified students in the dance program teach the classes under faculty supervision; the community-service program provides students with authentic hands-on learning experience. For more information please go to: esu.edu/childrendance

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.

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: off-campus housing listings, Guided to Living Off-Campus, Commuter Student Lounge, and general support and advocacy. *For more information please visit www.esu.edu/commuter or call* 570-422-3384..

Counseling and Psychological Services (CAPS)

The Department of Counseling and Psychological Services 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 personal counseling/psychotherapy, vocational counseling, psychological and vocational testing, developmental and outreach programming, and consultation services, both individually and in a group setting when appropriate. 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.

The Counseling and Psychological Services staff are licensed psychologists. 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.

The Counseling and Psychological Services office is located on the second floor of the Flagler-Metzgar Center. 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 570-422-3277. 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.

Educational Trips

Various departments, as well as clubs and organizations, sponsor field trips to points of interest in the surrounding area. The proximity to New York City and Philadelphia provides opportunities for students to enrich the activities of their curricula.

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.

Marching Band, Jazz Band and Concert Band Program

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.

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 (CPH), 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.

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 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 self-disclosure and request for services 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. These forms are available online at the Office Of Accessible Services Individualized for Students (OASIS).

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, East Stroudsburg University 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 during the first semester the individual with a disability requests services and attends classes. During this interview, accommodations and assistive technology needs are determined. The Office of Disabilities Services 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 Office of Disability Services, the student is given a letter of accommodation listing the academic accommodations and/or assistive technology the student is entitled to use for each class. The student is responsible to provide a copy of this letter of accommodation to the professor of each class at the beginning of the semester. 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
- 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 now 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 OASIS. To receive services please submit self-disclosure form and supporting documentation to OASIS, fax (570) 422-3268 or email ods@esu.edu.

Office of Employee Relations and Workforce Diversity

The Office of Employee Relations and Workplace Diversity's mission is to promote, plan and monitor social justice in the university community. In addition, it is to implement programs that enhance the human rights of the members of the East Stroudsburg University family. Moreover, the Office of Diversity and Equal Opportunity, with the cooperation of faculty, students, staff and administration, strives to:

- Ensure that the university is in compliance with equal employment law, affirmative action statutes, regulations, and legislation;
- Promote respect for individual differences and the right of individuals to be treated with respect and civility;
- Assure equity and to serve as an advocate for ethnic minorities, women, persons with disabilities, and other groups protected by federal, state or local laws;
- Assist in the creation of an environment in which diversity will be perceived as a strength; and
- Assist in the creation of a campus climate that is conducive to the optimal learning and development of all people at the university.

The staff of the Office of Employee Relations and Workplace Diversity is here to serve student, faculty, and staff at the university as well as guests of the campus. *For more information contact the office at 570-422-3656.*

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 difference 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

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.

Residential and Dining Services

Residential and Dining Services oversees the functions of all campus housing and dining experiences at East Stroudsburg University.The campus contains five traditional residence halls, 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 Residence Halls Information and Policies brochure. 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 40 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.) On-campus housing is guaranteed for incoming transfer students who pay the Enrollment Fee and complete the on-line housing application by the published June 1 deadline. Beyond that, offers are made as space becomes available, and on a first-come, first-served basis.

All students are encouraged to consider signing up for our one of our Learning Communities. Currently, students can participate in the following programs: Global Learning, Criminal Justice, Health Science, Honors/STEM, and Transfer Community. To learn more about these programs please contact Dave Campbell at 570-422-3460. Transfer students are highly encouraged to consider living in the Transfer Learning Community (TLC) housed in Sycamore Suites. TLC is a living and learning experience that focuses on creating a transitional community with ESU students that are new to the Warrior community. TLC connects residents to academic support resources, while helping integrate individuals into their residence hall and the greater ESU community.

In partnership with Aramark, Residential and Dining Services provides on-campus hospitality to all members of the campus community.

Dansbury Commons

Dansbury Commons is our all-you-care-to-eat facility at the heart of campus. Home cooked favorites: pizza, pasta, waffles, sandwiches, burgers and more. Dansbury Commons offers a number of monotony breakers throughout the semester, from **Tasty Tuesdays** featuring delicious tasting of new recipes at the front of Dansbury to **Premium Nights** that offer a wide variety of upscale entrees for guest to purchase. **Theme Thursdays**: Every Thursday at dinner, the staff at Dansbury is changing things up with a different theme.

Center Court

Center Court is located on the main level of University Center. Center Court has whatever you're craving! Burger Studio, Topio's Pizza, Warrior Wraps Sandwich Shack; or Greens to Go, homemade soups, baked goods and Grab and Go offerings .

Dansbury P.O.D.

Dansbury P.O.D. combines the corner store with the style of a modern market, featuring grab 'n go, hot entrees, snacks and bottled beverages.

Dansbury Starbucks

Dansbury Starbucks**,** Located in Lower Dansbury Commons, Starbucks -Coffee is -the world's largest -specialty -coffee cha-in, offeri-ng more th-an 30 blen-ds and sin-gle-origin- coffees a-s well as -bakery goo-ds, sandwi-ches and merchandise-.

Food 4 Thought

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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.*

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. *For more information and reservations, email Stony Acres at mconstantine@esu.edu or call 570-422-3334 or 570-223-8316. More 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 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 open to students of any major. The Theatre Department works with the undergraduate student dramatic organizations Stage II and the Musical Theatre Organization (MTO) to offer four major theatrical productions annually including a theatre for young audiences production, classical, contemporary and musical theatre offerings, student directed one-act plays and cabarets. Join the theatre clubs, take a class, make an appointment with any theatre faculty, or visit the Theatre Department website or Fine Arts lobby for more information on getting involved onstage or backstage.

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.

Tutoring - see "Warrior Tutoring Center"

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

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 Marching Band

The Warrior Marching Band is open to all university students with prior experience at the high school or college level. The ensemble rehearses during the fall semester on Wednesday and Friday afternoon and Saturday mornings on home football game days. Students in the band are required to participate in Band Camp the week before the beginning of the fall semester. The band performs at all home games, select away games and marching exhibitions. For more information, 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.

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.

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.

University Requirements

The requirements for the baccalaureate degree at East Stroudsburg University are:

1. A minimum of 120 credits. Some degree programs may require more than 120 credits.
2. At least 42 semester credit hours must consist of advanced level coursework (i.e., courses that often have prerequisites and noted as "advanced" in catalog). A minimum of 30 credit hours of the 42 advanced level semester credit hours must be courses from the 300 level and above.
3. A minimum cumulative quality point average of 2.00. Some degree programs may require a higher cumulative quality point average.
4. A minimum grade of a "C" in English Composition.
5. Demonstration of competence in basic mathematical skills. See Basic Mathematical Skills Competency on page 37.
6. Completion of the general education requirements. See General Education Program (p. 46). (p. 47)
7. Students in Bachelor of Science programs may apply no more than 64 credits from any single department toward the 120 credit minimum. If a department offers courses under more than one rubric, then this regulation applies separately to each rubric used.
8. Completion of the requirements for one or more majors.
9. A minimum residency as outlined below:
    a. The minimum residence requirement for the baccalaureate degree is 30 semester credit hours of the last 45 credits of work at East Stroudsburg University, unless a waiver is granted. This waiver requires approval of the student's adviser, major department chair, and academic dean. Some programs which require off-campus senior level experiences at other schools have automatic exemptions from this section.
    b. The minimum number of credits in the major which must be taken at East Stroudsburg University will be determined by the department housing the major.

Course Numbers

Course descriptions are arranged by departments or by program. The course numbers are used to indicate the year in which courses are usually taken by students and/or the minimum number of prerequisite course(s) the student ought to have completed to gain admission in to the course. The student should read the catalog description of each course for more detailed information regarding the prerequisite(s) for that course.

- Below 100 level developmental courses do not carry credits toward graduation
- 100-199 typically no prerequisites
- 200-299 probably has one prerequisite
- 300-399 at least one prerequisite
- 400-499 at least two prerequisites
- 500-600 graduate courses, cannot be taken by undergraduates without advance approval

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.

Note: Students who transfer courses to the university that do not have an exact ESU course equivalent will have these transfer courses recorded on their permanent record (transcript) to either satisfy a general education requirement or a department elective. No course descriptions will appear in this catalog for each of these courses. However, these cases will meet a degree requirement in the following ways:

- Course Code 199: General Education elective (no exact match), suitable for General Education requirement in specified ESU academic department.
- Course Code 299: Departmental elective (no exact match), ESU academic department decides how the course applies toward the major.
- Course Code ELEC 299: Course that does not fit either General Education or major requirements, credit will transfer as an elective.

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.

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
- Biology
- 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)
6. Psychology (BPS)

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)

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.

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.

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.

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.

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.

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.

Special Academic Opportunities

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.

Extended Learning

The extended learning program is designed to meet the academic needs of society by extending undergraduate and graduate programs to student populations who would otherwise not have access to ESU. Offerings are primarily scheduled at times and locations convenient for working adults. This includes accelerated sessions offered during the evening and on weekends, on- and off- campus at locations including Bethlehem and Philadelphia.

For further information, contact the Office of Extended Learning at 570-422-2859 or visit *esu.edu/extendedlearning.*

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.

International Programs and 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 deJaén, 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.

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.

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.

Program Offerings

Definitions

Degree Designation

Specific degree type, including but not limited to bachelor of arts, bachelor of science, master of arts, master of science, and doctor of education.

Major Academic Program

A sequence of prescribed courses leading to eligibility for certification by the state department of education.

Minor When a Major Exists

A coherent program of study that consists of most of the core major courses, but fewer electives, and includes at least 18 credits.

Minor When No Major Exists

A coherent program of study, consisting of at least 18 credits, in an area in which the university does not offer a major

Other Academic Program

A sequence of courses, activities, experience constituting a track, concentration, focus, option, specialization, emphasis, or equivalent not leading to a degree or certification.

The College of Arts and Sciences

Rosenkrans Hall West, Room 107 — Dean Andra Basu

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

Offers the following degree programs:

Majors

- Art and Design
- Communication
- Dance
- English
- Fine Arts - Art
- 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

Concentrations

- Acting for Theater, Television, and Film
- Art History
- Creative Writing
- Directing
- Design/ Technical Theater
- Fine and New Media Art
- Fine Arts
- Graphic Design
- Literature
- Product Design
- Professional and Digital Media Writing
- Studio Art
- Writing

Certificates

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

Secondary Education programs leading to the Bachelor of Science degree with a major in English, or Spanish are offered jointly with the College of Education.

Studies in the liberal and fine arts enrich the intellectual, emotional, and social lives of all students, and thereby contribute to future success in any specific career. The student who majors in an Arts and Letters field enjoys flexible scheduling to reflect wide interests. The degree provides students with skills that are highly valued in the work place while also providing a strong foundation for graduate study.

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

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

Concentrations

- Applied Mathematics
- Applied Psychology
- Counseling Psychology
- Integrative Animal Behavior
- Integrated Organismal Biology
- Laboratory Medicine
- Pre-Medicine
- Pre-Physical Therapy
- Pre-Physician Assistant
- Research Psychology

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.

Students may concentrate and/or prepare for further studies in the areas of environmental studies, medical technology, physical therapy, mental health, pre-medical school, marine science, and professional engineering. Students desiring to enter one of these programs should indicate such interest on the application for admission.

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 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 and training programs in psychology at hospitals and industries are useful 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

Concentrations

- American and World History
- Politics and Government
- Pre-Law
- Public Administration

Certificate

- Geographic Information Systems

The Faculty of Social Sciences promotes the scholarly tradition in the disciplines of anthropology, geography, history, political science, and sociology. The faculty is committed to the belief that an education centered in the liberal arts is essential in the preparation of potential teachers and in a wide variety of professional careers. A secondary education program leading to a bachelor of science degree with a double major in social studies and either history, geography, economics or political science is offered jointly with the Faculty of Education.

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

570-422-3589

Dean Sylvester Williams IV

www.esu.edu/cbm

The College of Business and Management consists of six existing departments: the Department of Business Management, the Department of Sport Management, the Department of Recreation Services Management, the Department of Hotel, Restaurant and Tourism Management, the Department of Digital Media Technologies, and the Department of Leadership Studies and Military Science.

The Faculty of Digital Media Technologies

Offers the following degree programs:

Department of Digital Media Technologies

Major

- Digital Media Technologies
- **Minors**
- Media Communication and Technology
-

The curricula in the Department of Digital Media Technologies prepares students to be media generalists.

A second purpose is to produce media generalists with knowledge and application skills in photographic, electronic and graphic communication processes who can address a variety of communication tasks as found in business, industry, health care, entertainment, and training where contemporary media are used to communicate.

The Bachelor of Science degree program in Digital Media Technologies (DMET) prepares students as media generalists for entry level positions in the media production field. The program integrates a strong hands-on approach with a media theoretical basis as DMET students create media in the areas of animation, photography, video and television production, audio production, web design, and graphics. East Stroudsburg University's facilities support cross-platform computer labs, television studios, television editing, computer imaging, desktop publishing, sound recording, photography, and interactive 3D. A two-year associate degree is also offered.

Graduate work is offered leading to the Master of Education degree in Instructional Technology.

The Faculty of Business and Management

Offers the following degree programs:

Department of Business Management

Majors

- Accounting
- Business Management
- Finance
- Marketing

Career Concentrations

- Entrepreneurship
- Management
- Supply Chain Management

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

Concentrations

- Hotel Management
- Restaurant Management
- 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 Terry Barry

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.

The College of Education

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 submit an application 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

Educational Specialist, Endorsement, Certification

(graduate level only)

- Instructional Technology
- Reading Specialist
- Online Teaching Endorsement
- National Board Certification

School Administration or Supervision

(graduate level only)

- Principal K-12
- Special Education Supervisor
- Superintendent's Letter of Eligibility

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

Concentrations

- Community Health
- Health Services Administration
- School Health

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

Concentrations

- Exercise Physiology
- Sport and Exercise Conditioning

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.

Course Prefix Key

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

ACC (p. 108)	Accounting
ART (p. 61)	Art
ATEP (p. 72)	Athletic Training
BIOL (p. 81)	Biology
BIOM (p. 96)	Marine Science
CHEM (p. 119)	Chemistry
CMST (p. 133)	Communication
CPSC (p. 145)	Computer Science
DAEL (p. 61)	Department of Academic Enrichment and Learning
DANC (p. 157)	Dance
ECED (p. 164)	Early Childhood Education
ECON (p. 173)	Economics
ELED (p. 164)	Elementary Education
ENGL (p. 181)	English
EXSC (p. 199)	Exercise Science
FIT (p. 212)	Fitness
MLAR (p. 260)	Arabic
MLCH (p. 260)	Chinese
MLFR (p. 260)	French
MLGR (p. 260)	German
MLIT (p. 260)	Italian
MLLN (p. 260)	Latin
MLNG (p. 260)	Modern Languages
MLJA (p. 260)	Japanese
MLPG (p. 260)	Portuguese
MLRU (p. 260)	Russian
MLSP (p. 260)	Spanish
GEOG (p. 218)	Geography
GSCI (p. 214)	General Science
HIST (p. 232)	History

HLTH (p. 220)	Health
HRTM (p. 237)	Hotel, Restaurant and Tourism Management
IIS (p. 61)	Intercultural and Interdisciplinary Studies
MATH (p. 247)	Mathematics
DMET (p. 159)	Digital Media Technologies
MGT (p. 108)	Business Management
MUS (p. 273)	Music
NURS (p. 274)	Nursing
PETE (p. 287)	Physical Education Teacher Education
PHIL (p. 281)	Philosophy
PHYS (p. 293)	Physics
POLS (p. 306)	Political Science
PSED (p. 317)	Professional and Secondary Education
PSY (p. 321)	Psychology
RECR (p. 331)	Recreation
REED (p. 330)	Reading
SMGT (p. 355)	Sport Management
SOC (p. 343)	Sociology
SOCJ (p. 153)	Criminal Justice
SOSW (p. 340)	Social Work
SPED (p. 349)	Special Education
SPPA (p. 139)	Speech Language Pathology
SPRE (p. 335)	Rehabilitative Services
THTR (p. 363)	Theatre
WMST (p. 61)	Women's Studies

Academic Programs and Courses

Academic Enrichment and Learning

College of Education Department Faculty

Department Chair:

Kelly McKenzie, Chair (kmckenzie@esu.edu)

Professor:

Jack Truschel, (jtruschel@esu.edu)

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Department Professional Coaches:

Jan Hoffman (jhoffman@esu.edu)

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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 (p. 108) is housed within the Department of Business Management. Please see the Business Management department for the B.S. in Accounting requirements.

Art + Design

(p. 61)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 residencies/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 B.A.

PROGRAM FEATURES

42 credits

Design 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
ART 202	GN: History of Art II	3
ART 220	GN: Graphic Design I	3
ART 254	GN: Painting I	3
ART 320	Graphic Design II	3
ART 207	GN: Letterforms	3
OR		
ART 280	GN: Design for Communication	3

and one from:

ART 321	GE: Advanced Drawing	3
OR		
ART 356	GE: Painting II	3
OR		
ART 401	Composition & Painting	3

	And	
ART 405	Illustration	3
ART 414	Portfolio In Art + Design	3
ART 486	Field Experience & Internship (Semester hours arranged)	3 - 15
	And	
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
ART 202	GN: History of Art II	3
ART 254	GN: Painting I	3
ART 414	Portfolio In Art + Design	3
ART 496	Fine Arts Seminar	3
	And	
ART 290	Special Topics:	(Semester hours arranged)
OR		
ART ___	300-400 level Art History	3

15 credits from:

ART 220	GN: Graphic Design I	3
ART 251	GN: Sculpture	3
ART 252	GN: Product Design I	3
ART 253	GN: Ceramics I	3
ART 256	GE: Watercolor Painting	3
ART 260	GE: Printmaking I	3
ART 280	GN: Design for Communication	3
ART 290	Special Topics:	(Semester hours arranged)
ART 321	GE: Advanced Drawing	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

Art History Concentration

Required courses:

ART 151	GN: Basic Drawing	3
ART 153	GN: Two-Dimensional Design	3
ART 201	GN: History of Art I	3
ART 202	GN: History of Art II	3
ART 496	Fine Arts Seminar	3

and one from the following

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

and one from the following

ART 254	GN: Painting I	3
ART 256	GE: Watercolor Painting	3
ART 260	GE: Printmaking I	3
ART 321	GE: Advanced Drawing	3

and 21 credits from:

ART 101	GN: Introduction to Art	3
ART 290	Special Topics:	(Semester hours arranged)
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 (Semester hours arranged)	3 - 15

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. (p. 43)

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

Design Concentration - 42 credits

Semester 1

ART 151	GN: Basic Drawing	3
ART 153	GN: Two-Dimensional Design	3
ENGL 103	English Composition	3
CMST 111	GN: Introduction to Communication	3
GenEd ____	General Education Elective	3
		Subtotal: 15

Semester 2

ART 154	GN: Three-Dimensional Design	3
ART 254	GN: Painting I	3
CMST 126	GN: Introduction to Mass Media	3
OR		
CMST 136	GN: Introduction to Popular Culture	3
GN:____	General Education Elective - Natural Science	3
GenEd ____	General Education Elective	3
		Subtotal: 15

Semester 3

ART 220	GN: Graphic Design I	3
ART 201	GN: History of Art I	3
GN:____	General Education Elective - Natural Science	3
GenEd ___	General Education Elective	6
		Subtotal: 15

Semester 4

ART 202	GN: History of Art II	3
ART 207	GN: Letterforms	3
OR		
ART 280	GN: Design for Communication	3
GN:____	General Education Elective - Social Science	3
GenEd ____	General Education Elective	3
		Subtotal: 15

Semester 5

ART 320	Graphic Design II	3
ART 321	GE: Advanced Drawing	3
OR		
ART 356	GE: Painting II	3
OR		
ART 401	Composition & Painting	3
GenEd ____	General Education Elective	3
GenEd ___	General Education Elective	6
		Subtotal: 15

Semester 6

ART ___	300-400 level Art History	3
GenEd ____	General Education Elective	3
XXXX ____	Free Electives	6
XXX ____	Upper Division Elective	3
		Subtotal: 15

Semester 7

ART 405	Illustration	3
ART 486	Field Experience & Internship (Semester hours arranged)	3 - 15
XXXX ___	Elective	3
PHIL ___	Two other 300 or 400 level PHIL courses	6
		Subtotal: 15

Semester 8

ART 414	Portfolio In Art + Design	3
XXXX ___	Elective	3
XXXX ___	Elective	6
XXXX ___	Upper Level Elective	3
		Subtotal: 15

Fine Art Concentration - 42 credits

Semester 1

ART 151	GN: Basic Drawing	3
ART 153	GN: Two-Dimensional Design	3
ENGL 103	English Composition	3
XXXX ____	Natural Science General Education	3
GenEd ____	General Education Elective	3
		Subtotal: 15

Semester 2

ART 154	GN: Three-Dimensional Design	3
ART 254	GN: Painting I	3
CMST 111	GN: Introduction to Communication	3
XXXX ____	Social Science General Education course	3
GenEd ___	General Education Elective	3
		Subtotal: 15

Semester 3

ART 201	GN: History of Art I	3
ART 251	GN: Sculpture	3
OR		
ART 252	GN: Product Design I	3
OR		
ART 253	GN: Ceramics I	3
XXXX ____	Natural Science General Education	3
GenEd ___	General Education Elective	6

		Subtotal: 15

Semester 4

ART 202	GN: History of Art II	3
ART 256	GE: Watercolor Painting	3
OR		
ART 321	GE: Advanced Drawing	3
OR		
ART 356	GE: Painting II	3
GenEd ____	General Education Electives	9
		Subtotal: 15

Semester 5

XXXX ___	Concentration-based Elective	3
GenEd ___	General Education Courses	12
		Subtotal: 15

Semester 6

XXXX ___	Concentration-based Elective	3
ART ___	300-400 level Art History	3
XXXX ____	Free Electives	6
XXXX ___	Free Elective - Level 300/400	3
		Subtotal: 15

Semester 7

XXXX ___	Concentration-based Elective	3
XXXX ____	Free Electives	3
XXXX ____	Free Electives	6
XXXX ___	Free Elective - Level 300/400	3
		Subtotal: 15

Semester 8

ART 414	Portfolio In Art + Design	3
ART 496	Fine Arts Seminar	3
XXXX ___	Three (3) courses at the 300-level or above	9
		Subtotal: 15

Art History Concentration - 42 credits

Semester 1

ART 151	GN: Basic Drawing	3
ART 153	GN: Two-Dimensional Design	3
ART 201	GN: History of Art I	3
ENGL 103	English Composition	3
XXXX ____	Natural Science General Education	3
		Subtotal: 15

Semester 2

ART 202	GN: History of Art II	3
ART 254	GN: Painting I	3
GenEd ___	General Education Elective	6

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)
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 (Semester hours arranged)	3 - 15
		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

ART 496	Fine Arts Seminar	3
ART ___	300-400 level Art History	3
XXXX ___	Elective	3
XXXX ___	Upper Level Electives (6 credits)	6
		Subtotal: 15

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

Bachelor of Fine Art- Integrated Art and Design

PROGRAM FEATURES

60 credits

Required Core 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
ART 202	GN: History of Art II	3

CONCENTRATIONS:

Fine and New Media Art Concentration

Courses required for the Fine and New Media Art Concentration

ART 251	GN: Sculpture	3
OR		
ART 253	GN: Ceramics I	3
ART 254	GN: Painting I	3
ART 414	Portfolio In Art + Design	3
ART 496	Fine Arts Seminar	3
ART XXX	One upper level art history course	3
ART XXX	Five design or studio arts courses	15

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

ART 207	GN: Letterforms	3
ART 220	GN: Graphic Design I	3
ART 252	GN: Product Design I	3
ART 211	GN: Infographics & Data Visualization	3
OR		
ART 280	GN: Design for Communication	3
ART 320	Graphic Design II	3
ART 351	Advanced 3D Design	3
ART 405	Illustration	3
ART 414	Portfolio In Art + Design	3
ART 420	Graphic Design 3:Design Agency	3
ART 486	Field Experience & Internship (Semester hours arranged)	3 - 15

One additional Art History course from

ART 290	Special Topics:	(Semester hours arranged)
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

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

CMST 111	GN: Introduction to Communication	3

Product Design Concentration

Courses required for Product Design Concentration

ART 220	GN: Graphic Design I	3
ART 252	GN: Product Design I	3
ART 255	Materials and Processes	3
ART 320	Graphic Design II	3
ART 330	Digital Sculpting and Modeling	3
ART 351	Advanced 3D Design	3
ART 352	Product Design II	3
ART 414	Portfolio In Art + Design	3
ART 452	Object Design 3	3
ART 486	Field Experience & Internship (Semester hours arranged)	3 - 15

One additional Art History course from

ART 290	Special Topics:	(Semester hours arranged)
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

And 9 semester hours from interdisciplinary areas, including ART, upon advisement from faculty in both Art + Design department and related department(s). Recommended: PHYS 111 Engineering Graphics, PHYS 161 GN: Physics I. At least 3 credits must be from advanced level courses. Suggested but not limited areas of interdisciplinary study: CMST, DMET, MGT, THTR.

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

Fine and New Media Art Concentration

Freshman Year

Fall

ART 151	GN: Basic Drawing	3
ART 153	GN: Two-Dimensional Design	3
FYE 100	University Studies	3
ENGL 103	English Composition	3
HPLW 105	Health Promotion and Lifetime Wellness	3
		Subtotal: 15

Spring

ART 154	GN: Three-Dimensional Design	3
ART 254	GN: Painting I	3
CMST 111	GN: Introduction to Communication	3
GenEd ___	General Education Elective	6
		Subtotal: 15

Sophomore Year

Fall

ART 201	GN: History of Art I	3
ART 251	GN: Sculpture	3
OR		
ART 253	GN: Ceramics I	3
GenEd ____	General Education Electives	9
		Subtotal: 15

Spring

ART 202	GN: History of Art II	3
ART ____	Studio Art or Design Course	3
GenEd ____	General Education Electives	9
		Subtotal: 15

Junior Year

Fall

ART ____	Studio Art or Design Course	6
ART ___	Upper Level Art History Elective	3
XXXX ___	Elective	6
		Subtotal: 15

Spring

___	Art or Design Course with 3-0-6 Designation	6
GenEd ____	General Education Electives	9
		Subtotal: 15

Senior Year

Fall

___	Art or Design Course with 3-0-6 Designation	6
GenEd ____	General Education Electives	9
		Subtotal: 0-15

Spring

ART 414	Portfolio In Art + Design	3
ART 496	Fine Arts Seminar	3
XXXX ____	Upper Level Electives 3-9 credits	3-9
		Subtotal: 0-15

Graphic Design Concentration

Freshman Year

Fall

ART 151	GN: Basic Drawing	3
ART 153	GN: Two-Dimensional Design	3
FYE 100	University Studies	3
ENGL 103	English Composition	3
HPLW 105	Health Promotion and Lifetime Wellness	3
		Subtotal: 15

Spring

ART 154	GN: Three-Dimensional Design	3
ART 220	GN: Graphic Design I	3
CMST 111	GN: Introduction to Communication	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
		Subtotal: 15

Sophomore Year

Fall

ART 201	GN: History of Art I	3
ART 207	GN: Letterforms	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 211	GN: Infographics & Data Visualization	3
OR		
ART 280	GN: Design for Communication	3
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
		Subtotal: 15

Junior Year

Fall

ART 255	Materials and Processes	3

OR		
XXXX ___	Interdisciplinary Elective	3
ART 320	Graphic Design II	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
ART ___	Upper Level Art History Elective	3
		Subtotal: 15

Spring

ART 330	Digital Sculpting and Modeling	3
OR		
ART 351	Advanced 3D Design	3
ART 420	Graphic Design 3:Design Agency	3
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
		Subtotal: 15

Senior Year

Fall

ART 405	Illustration	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:	3-6
XXXX ____	Electives 3-9 credits	3-9
		Subtotal: 15

Product Design Concentration

Freshman Year

Fall

ART 151	GN: Basic Drawing	3
ART 153	GN: Two-Dimensional Design	3
FYE 100	University Studies	3
ENGL 103	English Composition	3
HPLW 105	Health Promotion and Lifetime Wellness	3
		Subtotal: 15

Spring

ART 154	GN: Three-Dimensional Design	3
ART 220	GN: Graphic Design I	3
CMST 111	GN: Introduction to Communication	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
		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
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:	3-6
XXXX ____	Electives 3-9 credits	3-9

Subtotal: 15

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

3D Printing and Product Design Certificate

PROGRAM FEATURES

12 Credits

Required courses

ART 130	GN: Introduction to 3D Printing	3
ART 154	GN: Three-Dimensional Design	3
ART 252	GN: Product Design I	3
ART 352	Product Design II	3

Data Visualization Certificate

PROGRAM FEATURES

12 credits

Required courses

ART 211	GN: Infographics & Data Visualization	3
ART 280	GN: Design for Communication	3

One of the following two courses

MATH 110	GN: General Statistics	3
MATH 311	Statistics I	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	3

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:	2 - 6
ART 486	Field Experience & Internship (Semester hours arranged)	3 - 15

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.

Art Minor in Studio Art

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

Art + Design Faculty

Professors:

Darlene Farris-Labar (dfarris@esu.edu)

David Mazure (dmazure@esu.edu)

Associate Professors:

Melissa Geiger (mgeiger@esu.edu)

Joni Oye-Benintende, Chair (jbenintende@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.

Distribution: GE: Humanities – Fine Arts | GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

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.

Distribution: GE: Humanities - Fine Arts | GN: Group A - Fine Arts (AFA) | Artistic Expression (A).

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

Distribution: GE: Humanities – Fine Arts | GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

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

Distribution: GE: Humanities – Fine Arts | GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

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.

Distribution: GE: Humanities – Fine Arts | GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

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.

Distribution: GE: Humanities – Fine Arts | GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

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.

Distribution: GE: Humanities – Fine Arts | GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

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.

Distribution: GE: Humanities – Fine Arts | GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

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.

Distribution: GN: Group A - Fine Arts (AFA) | Artistic Expression (A).

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.

Distribution: GE: Humanities – Fine Arts | GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

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.

Distribution: GE: Humanities – Fine Arts | GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

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)
The course explores handforming methods in clay, beginning pottery wheel and basic glazing techniques.

Distribution: GE: Humanities – Fine Arts | GN: Group A – Fine Arts (AFA) | Artistic Expression (A).

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 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.

Distribution: Advanced (ADVD) | Level III Writing (W3). Prerequisite: ART101 OR ART202.

ART 304 - GE: Art Gallery Management (3 credits)
This course will explore the management of an art gallery from the perspectives of both the artist and of the gallery director.

Distribution: GE: Humanities - Fine Arts; Advanced.

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 307 - Modern Art (3 credits)
This course offers an overview of European art from the 1770s to the 1930s. Major art movements such as Romanticism, Impressionism, Art Noveau, Dada, and Cubism will be discussed. We will also explore a wide range of aesthetic, cultural and social issues that inspired the work of this era.

Distribution: Advanced (ADVD) | Level III Writing (W3). Prerequisite: ART101 OR ART201 OR ART202.

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 (ADVD). Prerequisite: (4) of the following courses: ART 101, ART 130, ART 151, ART 153, ART 154, 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 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 (ADVD) | 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: ART153 AND ART220.

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 Sculpting and Modeling (3 credits)
This course will introduce students to theories, concepts, aesthetics, procedures and practices of sculpting with 3D modeling software and techniques on the computer for creation of forms, environments, characters and objects. Includes output to the latest equipment such as 3D printers, laser cutters, CNC and virtual environments.

Distribution: Advanced (ADVD). Prerequisite: One of the following: ART 130, ART 251, ART 220, ART 154 or ART 252.

333 - Advanced 3D Printing

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.

Distribution: Advanced. Prerequisite: ART101 AND ART202.

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.

ART 496 - Fine Arts Seminar (3 credits)
A team-taught interdisciplinary capstone experience for senior Fine Arts majors. In conjunction with this seminar the student and faculty explore selected topics in the fine arts relative to the preparation of a thesis project in Art, Music, or Theatre through which the student will demonstrate a satisfactory level of performance and/or research skills. Also offered as MUS 496 and THTR 496.

Distribution: Advanced.

Athletic Training

College of Health Sciences

The Faculty of Human Performance

Koehler Fieldhouse
570-422-3231

www.esu.edu/athletictraining

The Department of Athletic Training offers two degree programs: Bachelor of Science in Athletic training- Professional Practice and the Bachelor of Science in Athletic Training- Pre-Professional Rehabilitation Sciences. The program has a national reputation for athletic training education, a status built primarily upon the professional contributions of our graduates and a tradition which is proudly represented nationwide.

The Professional Practice program is intended for students interested in obtaining entry-level competency as an athletic trainer. The program is accredited by the Commission on Accreditation of Athletic Training Education (CaATe) and is designed to prepare the student to challenge credentialing as an athletic trainer through the Board of Certification (R) and appropriate state regulatory agencies.

The Pre-Professional Rehabilitation Sciences program is intended to prepare students for entry into professional programs in related rehabilitation sciences areas. This degree will prepare graduates for advanced training and education in rehabilitation health sciences and professional health programs including Physical Therapy, Occupational Therapy, Physician Assistant and Chiropractic. Graduates will also be ready to enter the rehabilitation and broader healthcare work force in entry level and pre-professional areas upon completion of the degree.

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 co-educational 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.

Are You Interested In the Professional Practice Program …

- Preventing, recognizing and treating sports injuries?
- Working with athletes and other physically active people?
- Learning things "hands-on" and solving "real-life" problems?

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.

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.

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: Track One - 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:

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

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
EXSC 310	Exercise Physiology I	3

Directed General Education:

BIOL 105	GN: General Biology	3
CHEM 111	GN: Chemical Basis of Matter	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 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. (p. 43)

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

120 Semester Hours

Freshman Year

Fall

ATEP 100	Introduction to Athletic Training and Rehabilitation Sciences	2
ATEP 120	Physical Conditioning	1
	And	
ATEP 122	Strength Training	1
OR		
ENGL 103	English Composition	3
FYE 100	University Studies	3
BIOL 111	GE: Human Anatomy and Physiology I	4
OR		
BIOL 116	GE: Human Anatomy and Physiology I for the Health Sciences	3
	And	
BIOL 117	Human Anatomy and Physiology I Laboratory for the Health Sciences	1
ELECTIVE	Recommend ATEP 240 Acute Care of Athletic Injuries	3

Subtotal: 14-15

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

Spring

ATEP 230	Prevention and Management of Sport and Fitness Injuries	3
ATEP 235	Basic Athletic Training Lab	1
ENGL 103	English Composition	3
OR		
ATEP 120	Physical Conditioning	1
	And	
ATEP 122	Strength Training	1
HPLW 105	Health Promotion and Lifetime Wellness	3
BIOL 112	GE: Human Anatomy and Physiology II	4
OR		
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

ATEP 285	Athletic Training Pre Clinical Laboratory	2
ATEP 202	Kinesiology-Applied Anatomy	3
ATEP 330	Injury Prevention and Reconditioning Workshop	2
CMST 111	GN: Introduction to Communication	3
ENGL 203	GN: Advanced Composition	3
MATH 110	GN: General Statistics	3

Subtotal: 16

Spring

ATEP 429	Measurement and Evaluation of Lower Extremity Injuries	3
ATEP 487	Athletic Training Clinical Laboratory I	1
ATEP 340	Illness Prevention and Health Promotion Workshop	2
PHYS 110	GN: Sound Waves & Light	3
OR		
PHYS 131	GN: Fundamental Physics I	4
SOC 111	GN: Introduction to Sociology	3
GenEd ___	General Education (Group A or Group C)	3

Subtotal: 15-16

Junior Year

Fall

ATEP 400	Evidence-Based Practice in Sports Medicine	2
ATEP 430	Measurement and Evaluation of Upper Extremity Injuries	3
ATEP 433	Therapeutic Exercise in Sports Medicine	3
ATEP 488	Athletic Training Clinical Laboratory II	1
PSY 100	GN: General Psychology	3
GenEd ___	General Education (Group A or Group C)	3

Subtotal: 15

Spring

ATEP 310	Psychosocial Issues In Sports Medicine	2
ATEP 432	Therapeutic Modalities in Sports Medicine	3
ATEP 489	Athletic Training Clinical Laboratory III	1
EXSC 310	Exercise Physiology I	3
GenEd ___	General Education (Group A or Group C)	3
GenEd ___	General Education (Group A or Group C)	3

Subtotal: 15

Senior Year

Fall

ATEP 436	Primary Care for the Athletic Trainer	3
ATEP 431	Organization and Administration in Athletic Training	3
ATEP 450	Seminar in Athletic Training	3
ATEP 490	Externship in Athletic Training	4

Subtotal: 15

No Additional Courses in the Externship Semester

Spring

ATEP 440	Functional Rehabilitation and Sport Specific Conditioning	3
ATEP 445	Rehabilitation for Special Populations	3
PETE 441	Movement Activities for Special Populations	1
GenEd ___	General Education (Group A or Group C)	3
XXX ___	ELECTIVE	4

Subtotal: 14

Total Credit Hours: 120

For more information, contact the Athletic Training Department at 570-422-3231

Koehler Fieldhouse, Office 1B 570-422-3231 www.esu.edu/athletictraining

Athletic Training Admission Requirements: Freshmen and Transfers

EAST STROUDSBURG UNIVERSITY
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 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 on 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 2.5 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 2.50 overall and 3.00 in the major;
2. Meet Program's Technical Standards;
3. A grade of "C+" or above in all Pre-Professional course work (ATEP 100, 202, 230, 235 and 285);
4. A grade of "C" or better is required in all Athletic Training, "cognate" and "Directed General Education" course work;
5. Advanced First Aid and CPR/AED Certification (ATEP 437) or EMT-B Certification prior to professional phase screening;
6. Concurrent enrollment in clinical field experiences (ATEP 487/ATEP 488/ATEP 489/ATEP 490) once admitted in the professional phase;
7. Reliable transportation once screened into the professional phase
8. 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

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 adviser, plan a course of study that includes a minimum of one additional semester of academic and clinical work.

Transfers: Applicants with a 2.5 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.

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Athletic Training B.S. - Concentration: Track Two - 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.

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	3

	the Health Sciences	
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 123	GN: General Chemistry I Lab	1
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. (p. 43)

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

120 Semester Hours

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

BIOL 111	GE: Human Anatomy and Physiology I	4
ATEP 120	Physical Conditioning	1
ATEP 122	Strength Training	1
FYE 100	University Studies	3
ENGL 103	English Composition	3
CHEM 121	GN: General Chemistry I	3
CHEM 123	GN: General Chemistry I Lab	1
		Subtotal: 16

Spring

BIOL 112	GE: Human Anatomy and Physiology II	4
ATEP 230	Prevention and Management of Sport and Fitness Injuries	3
CMST 111	GN: Introduction to Communication	3
ENGL 203	GN: Advanced Composition	3
MATH 110	GN: General Statistics	3
		Subtotal: 16

Sophomore Year

Fall

BIOL 114	GN: Introductory Biology I	4
SOC 111	GN: Introduction to Sociology	3
ATEP 202	Kinesiology-Applied Anatomy	3
PHYS 131	GN: Fundamental Physics I	4
		Subtotal: 14

Spring

EXSC 310	Exercise Physiology I	3
ATEP 429	Measurement and Evaluation of Lower Extremity Injuries	3
PSY 100	GN: General Psychology	3
GenEd ___	General Education (Group A)	3
GenEd ___	General Education (Group C)	3
		Subtotal: 15

Junior Year

Fall

EXSC 203	Kinesiology - Mechanical Analysis	3
ATEP 430	Measurement and Evaluation of Upper Extremity Injuries	3
ATEP 433	Therapeutic Exercise in Sports Medicine	3
HPLW 105	Health Promotion and Lifetime Wellness	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

EXSC 311	Exercise Physiology II	3
ATEP 432	Therapeutic Modalities in Sports Medicine	3
ATEP 445	Rehabilitation for Special Populations	3
GenEd ___	General Education (Group A or Group C)	3
GenEd ___	General Education (Group A or Group C)	3
		Subtotal: 15

Senior Year

Fall

ATEP 436	Primary Care for the Athletic Trainer	3
EXSC 322	Strength and Conditioning Theory	3
GenEd ___	General Education (Group A or Group C)	3
ATEP ____	ATEP Elective 300 or 400 level	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

EXSC 447	Sports Nutrition	3

ATEP ____	ATEP Elective 300 or 400 level	3
ATEP ____	ATEP Elective 300 or 400 level	3
XXXX ___	Elective	3
XXXX ___	Elective	2

Subtotal: 14

Total Credit Hours: 120

For more information, contact the Athletic Training Department at 570-422-3231.

Koehler Fieldhouse, Office 1B

www.esu.edu/athletictraining

Accelerated Pathway for B.S. in Athletic Training - Pre Professional Rehabilitation Sciences to M.S. in Athletic Training - Professional Practice Program

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 BS in Athletic Training - Pre-Professional Rehabilitation Sciences requirements. All other graduate program admission requirements must also be satisfied.

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.

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.

Distribution: Wellness (H).

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, plyometric 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 aquacizing activities will be emphasized.

ATEP 122 - Strength Training (1 credit)
This course introduces the student to various strength training techniques including free weights, machines, plyometrics 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

Prerequisite: ATEP230.

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.

Distribution: Advanced. Prerequisite: ATEP 100, ATEP 120, ATEP 122, ATEP 230, ATEP 235 and ATEP 240.

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 - Musculosketal 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.

Distribution: Advanced. Prerequisite: ATEP100.

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.

Distribution: Advanced. Prerequisite: ATEP120 AND ATEP122.

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.

Distribution: Advanced.

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 (3 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.

Distribution: Advanced.

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.

Distribution: Advanced. Prerequisite: ATEP202 AND ATEP235 AND ATEP285 AND PHYS110 OR PHYS131.

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 437/537.

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 - 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 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 (p. 119).

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.A.

PROGRAM FEATURES

63 credits in sciences, 33 credits in biology

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
BIOL 496	Seminar II	1

a minimum of 13 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

No more than six credits of BIOL 484 plus 486 internship may be applied toward Biology requirements for this degree.

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 or one course in Mathematics and one course in Computer Science not including:

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 Education Majors	3

Required quality point average:

2.25 or greater for courses in Biological Sciences.

Additional requirements:

- Please view the Foreign Language Competency Requirement in this catalog. (p. 44)
- At least one half of the credit hours (17) required in biology must be completed at East Stroudsburg University.
- Please view the university requirements in this catalog. (p. 43)

Biology B.S.

PROGRAM FEATURES

74 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
BIOL 496	Seminar II	1

and a minimum of 21 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

and three courses in mathematics or two courses in Mathematics and one course in Computer Science not including:

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 Education Majors	3

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. (p. 43)

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: Personal Computers 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 Kathleen Brunkard

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 235	Organic Chemistry I Lab	1
PHYS 131	GN: Fundamental Physics I	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. (p. 43)

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: 17

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: 16

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	4
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: 17

Senior Year

Fall

BIOL 340	Animal Physiology	4
OR		
BIOL 422	Plant Physiology	4
BIOL ___	Biology Elective	3
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

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
BIOL 499	Student Teaching Internships	1
		Subtotal: 13

Total Credit Hours: 120

Biology B.S. – Concentration: Integrative Organismal Biology

Coordinator: Professor Terry L. Master

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
BIOL 496	Seminar II	1

plus 24 additional credits of biology electives distributed among four course clusters as follows:

Principles Course Cluster –

6 credits from

BIOL 350	Animal Behavior	3
BIOL 407	Organic Evolution	3
BIOL 463	Conservation Biology	4

Organismal Course Cluster –

6 credits from

BIOL 220	Field Botany	3
BIOL 221	Field Zoology	3
BIOL 325	Ornithology	4
BIOL 333	Invertebrate Zoology	4
BIOL 425	Herpetology	3
BIOL 442	Biology of Aquatic Macrophytes	3
BIOL 451	General Entomology	3
BIOL 481	Insect Systematics	3
BIOM 462	Marine Invertebrates	3
BIOM 470	Marine Biology	3
BIOM 472	Coral Reef Ecology	3
BIOL 493	Biology of Tropical Ecosystems	3

Physio./Pathological/Morpho. Course Cluster –

6 credits from

BIOL 311	Embryology	3
BIOL 315	Comparative Vertebrate Anatomy	4
BIOL 320	Plant Morphology	3
BIOL 322	Plant Responses to Environmental Stress	4
BIOL 416	Parasitology	3

Ecology Course Cluster –

6 credits from

BIOL 423	Plant Ecology	3
BIOL 426	Wildlife Biology	3
BIOL 440	General Aquatic Ecology	3
BIOL 443	Stream Ecology	3
BIOL 457	Behavioral Ecology	3
BIOL 460	Marine Ecology	3
BIOL 493	Biology of Tropical Ecosystems	3

Co-requisite courses:

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
GEOG 341	Geographic Information Systems	3

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:

CHEM 121	GN: General Chemistry I	3
PHYS 131	GN: Fundamental Physics I	4
PHYS 132	GE: Fundamental Physics II	4
MATH 135	GN: Pre-Calculus	3
OR		
MATH 140	GN: Calculus I	4
OR		
MATH 141	GN: Calculus II	4

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 Universit

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:

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
OR		
BIOL 210	GE:Environmental Biology	3
BIOL 280	Laboratory Medicine Seminar	1
BIOL 330	Microbiology	4
BIOL 331	Genetics	3
BIOL 410	Histology	4
BIOL 416	Parasitology	3
BIOL 424	Mechanisms Of Disease I	3
BIOL 437	Immunology	3
BIOL 495	Seminar I	1
OR		
BIOL 496	Seminar II	1

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
CHEM 371	Analytical Chemistry I: Quantitative	4
PHYS 131	GN: Fundamental Physics I	4
PHYS 132	GE: Fundamental Physics II	4

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 Education Majors	3

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. (p. 43)

Biology B.S. – Concentration: Pre-Medicine

Coordinator: Professor Joshua Loomis

This 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
	And	
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. Field Experience, 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

BIOL 114	GN: Introductory Biology I	4
CHEM 121	GN: General Chemistry I	3
CHEM 123	GN: General Chemistry I Lab	1
ENGL 103	English Composition	3
MATH 140	GN: Calculus I	4
	Fitness Elective	1
		Subtotal: 16

Spring

BIOL 115	GE: Introductory Biology II	4
CHEM 124	GE: General Chemistry II	3
CHEM 126	GE: General Chemistry II Lab	1
ENGL 203	GN: Advanced Composition	3
MATH 141	GN: Calculus II	4
		Subtotal: 15

Sophomore Year

Fall

CHEM 233	Organic Chemistry I	3
CHEM 235	Organic Chemistry I Lab	1
BIOL 331	Genetics	3
BIOL 330	Microbiology	4
GN:____	General Education Elective - Social Science	3
	Fitness Elective	1
		Subtotal: 15

Spring

CHEM 234	Organic Chemistry II	3
CHEM 236	Organic Chemistry II Lab	1
BIOL 200	General Ecology	3
PHYS 161	GN: Physics I	4
GN:____	General Education Elective - Social Science	3
CHEM 234	Organic Chemistry II	3
		Subtotal: 14

Junior Year

Fall

PHYS 162	GE: Physics II	4
BIOL 449	Cell Biology	3
BIOL 300-400	Biology Elective	3
CHEM 315	Biochemistry	3
GN ____	General Education Elective (Group A)	3
		Subtotal: 16

Spring

BIOL 315	Comparative Vertebrate Anatomy	4
BIOL 300-400	Biology Elective	4
GN ____	General Education Elective (Group A)	3
GN ____	General Education Elective (Group C)	3
		Subtotal: 14

Senior Year

Fall

BIOL 449	Cell Biology	3
BIOL 495	Seminar I	1
CHEM 315	Biochemistry	3
BIOL 300-400	Biology Elective	3
GN ____	General Education Elective (Group A)	3
GN ____	General Education Elective (Group C)	3
		Subtotal: 14-15

Spring

BIOL 340	Animal Physiology	4
BIOL 496	Seminar II	1
XXXX ___	Free Elective	3
GN ____	General Education Elective (Group A)	3
GN ____	General Education Elective (Group C)	3
		Subtotal: 14

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 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	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

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 area PA 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:

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 330	Microbiology	4
BIOL 331	Genetics	3
BIOL 340	Animal Physiology	4
BIOL 410	Histology	4
BIOL 495	Seminar I	1
BIOL 496	Seminar II	1

and at least an additional 5 semester hours of biology electives except:

BIOL 103	GN: Forensic Biology	3
BIOL 105	GN: General Biology	3
BIOL 106	GN: Insects & Human Life	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
PHYS 131	GN: Fundamental Physics I	4
OR		
PHYS 161	GN: Physics I	4
PHYS 132	GE: Fundamental Physics II	4
OR		
PHYS 162	GE: Physics II	4
PSY 100	GN: General Psychology	3
OR		
PSY 101	GN: Introduction to Psychology	3
MATH 110	GN: General Statistics	3
	And	
MATH 135	GN: Pre-Calculus	3
OR		
MATH 140	GN: Calculus I	4
ENGL 162	GN: Introduction to Literary Analysis and Interpretation	3
	Or	
ENGL 203	GN: Advanced Composition	3
	Or	
ENGL 204	Technical Writing	3

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.

3.0 or greater overall.

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 spring classes to complete graduation requirements.

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

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
ENGL 103	English Composition	3
FYE 100	University Studies	3
		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
ENGL 162	GN: Introduction to Literary Analysis and Interpretation	3
OR		
ENGL 203	GN: Advanced Composition	3
CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
HPLW 105	Health Promotion and Lifetime Wellness	3
		Subtotal: 17

Sophomore Year

Fall

BIOL 111	GE: Human Anatomy and Physiology I	4
CHEM 233	Organic Chemistry I	3
CHEM 235	Organic Chemistry I Lab	1
BIOL 330	Microbiology	4
MATH 135	GN: Pre-Calculus	3
		Subtotal: 15

Spring

BIOL 112	GE: Human Anatomy and Physiology II	4
CHEM 234	Organic Chemistry II	3
CHEM 236	Organic Chemistry II Lab	1
BIOL 200	General Ecology	3
GN: XXX	General Education - Performing Arts	3
		Subtotal: 14

Junior Year

Fall

PHYS 131	GN: Fundamental Physics I	4
BIOL 331	Genetics	3
BIOL 300-400	Biology Elective	3
MATH 110	GN: General Statistics	3
GN: XXX	General Education - Sociology	3
		Subtotal: 16

Spring

PHYS 132	GE: Fundamental Physics II	4
BIOL 300-400	Biology Elective	3
PSY 100	GN: General Psychology	3
GN: XXX	General Education - Fine Arts	3
GN: XXX	General Education - Political Science	3
		Subtotal: 16

Senior Year

Fall

BIOL 410	Histology	4
BIOL 495	Seminar I	1
BIOL 300-400	Biology Elective	3
XXXX ___	Free Elective - Level 300/400	3
GN: XXX	General Education - Economics	3
		Subtotal: 14

BIOL 410: Course is typically offered once per year

Spring

BIOL 340	Animal Physiology	4
BIOL 496	Seminar II	1
XXXX ___	Free Elective - Level 300/400	3
GN: XXX	General Education - Philosophy or Language	3
GN: XXX	General Education - Geography or History	3
		Subtotal: 14

Biology electives – at least 5 credits

Total Credit Hours: 120

For more information, contact the department at 570-422-3725 or visit www.esu.edu/biol

Biotechnology

Biotechnology B.S.

Coordinator: Professor Abdalla M. Aldras

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
	And	
PHYS 132	GE: Fundamental Physics II	4
OR		
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. (p. 43)

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

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
MATH 135	GN: Pre-Calculus	3
GN ____	GN General Education Elective	3
		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
ENGL 103	English Composition	3
GN ____	GN General Education Elective	3
		Subtotal: 14

Sophomore Year

Fall

BIOL 331	Genetics	3
BIOL 281	Introduction to Biotechnology	3
CHEM 233	Organic Chemistry I	3
CHEM 235	Organic Chemistry I Lab	1
HPLW 105	Health Promotion and Lifetime Wellness	3
GN ____	GN General Education Elective	3
		Subtotal: 17

Spring

BIOL 200	General Ecology	3
CHEM 234	Organic Chemistry II	3
CHEM 236	Organic Chemistry II Lab	1
MATH 110	GN: General Statistics	3
GN ____	GN General Education Elective	3
		Subtotal: 16

Junior Year

Fall

PHYS 131	GN: Fundamental Physics I	4
BIOL 330	Microbiology	4
BIOL 340	Animal Physiology	4
OR		
BIOL 422	Plant Physiology	4
GN ____	GN General Education Elective	3
		Subtotal: 15

Spring

PHYS 132	GE: Fundamental Physics II	4
BIOL 430	Applied Microbiology	4
BIOL ___	Biology Elective	3-4
BIOL 380	Cell Culture Techniques	2
GN ____	GN General Education Elective	3
		Subtotal: 16-17

Senior Year

Fall

BIOL 495	Seminar I	1
BIOL ___	Biology Elective	3-4
CHEM 315	Biochemistry	3
CHEM 317	Biochemistry Laboratory	1
GN ____	GN General Education Elective	3
GN ____	GN General Education Elective	3
		Subtotal: 14-15

Spring

CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
BIOL 437	Immunology	3
BIOL 465	Immunology Laboratory	1
BIOL 439	Molecular Biology	3
BIOL 477	Molecular Biology Lab	1
BIOL 496	Seminar II	1
GN ____	GN General Education Elective	3
		Subtotal: 16

Total Credit Hours: 120

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
OR		
CHEM 121	GN: General Chemistry I	3

CHEM 123	GN: General Chemistry I Lab	1
CPSC 101	GN: Personal Computers 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. (p. 44)
- Please see the university requirements in this catalog. (p. 43)

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		
BIOL 221	Field Zoology	3
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 ___	Biology Elective (Upper-Division)	3-4
BIOL 497	Environmental Studies Seminar	1
XXXX ___	Free Elective	3
GEOG 121	GN: Physical Geology	3
		Subtotal: 13-15

Spring

BIOL ___	Biology Elective (Upper-Division)	3-4
BIOL 463	Conservation Biology	4

HLTH 230	Community Health	3
XXXX ___	Free Elective	3
XXXX ___	Free Elective	3

Subtotal: 16-17

Total Credit Hours: 109

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
BIOL 322	Plant Responses to Environmental Stress	4
BIOL 330	Microbiology	4
BIOL 463	Conservation Biology	4
BIOL 484	Environmental Studies Field Experience and Internship	3 - 15
OR		
BIOL 494	Research In Biology	3
BIOL 497	Environmental Studies Seminar	1

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
BIOL 443	Stream Ecology	3
BIOL 446	Limnology	3
BIOL 460	Marine Ecology	3

one animal course

BIOL 325	Ornithology	4
BIOL 333	Invertebrate Zoology	4
BIOL 425	Herpetology	3
BIOL 451	General Entomology	3
BIOL 462	Mammalogy	4
BIOL 466	Marine Ichthyology	3

and one additional Biology course at the 300+ level

approved by the adviser.

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 373	Environmental Quality: The Chemical Approach	4
MATH 110	GN: General Statistics	3
PHYS 117	GN: Energy	3
GEOG 120	GN: Physical Geography	3
GEOG 121	GN: Physical Geology	3
GEOG 341	Geographic Information Systems	3
CMST 111	GN: Introduction to Communication	3
POLS 120	GN: American Government	3

Required quality point average:

2.25 or greater for courses in Biological Sciences.

Additional requirements:

- A maximum of 10 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 university requirements in this catalog. (p. 43)

Note: Students planning to attend graduate school in this field should also take CHEM 233, CHEM 234, CHEM 235, CHEM 236; PHYS 131, PHYS 132. These programs offer a unique opportunity to select individualized programs from a wide variety of electives in several disciplines. Each student is required to complete a field experience or internship in the senior year. Credits for internships are arranged individually with one credit earned for each full time (40 hour) work week. Interns have served with park departments, state and federal wildlife agencies, water and sewer treatment plants, and a variety of government conservation agencies both in the United States and abroad.

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

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
ENGL 103	English Composition	3
CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
	Fitness Elective	1

Subtotal: 15

Spring

BIOL 115	GE: Introductory Biology II	4
CHEM 124	GE: General Chemistry II	3
CHEM 126	GE: General Chemistry II Lab	1
BIOL 210	GE:Environmental Biology	3
MATH 110	GN: General Statistics	3
GN ____	General Education Elective (Group A)	3
		Subtotal: 17

Sophomore Year

Fall

BIOL 200	General Ecology	3
OR		
BIOL 220	Field Botany	3
OR		
BIOL 221	Field Zoology	3
CMST 111	GN: Introduction to Communication	3
GEOG 120	GN: Physical Geography	3
GN ____	General Education Elective (Group A)	3
GN ____	General Education Elective (Group C)	3
		Subtotal: 15

Spring

GEOG 121	GN: Physical Geology	3
GN:____	General Education Elective - Social Science	3
BIOL ___	Biology Elective (plant, aquatic, animal, or field)	3-4
GN ____	General Education Elective (Group A)	3
		Subtotal: 15-16

Junior Year

Fall

BIOL ___	Biology Elective (plant, aquatic, animal, or field)	3-4
PHYS 117	GN: Energy	3
OR		
XXXX ___	Free Elective	3
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
	And/Or	
BIOL 494	Research In Biology	3
BIOL 322	Plant Responses to Environmental Stress	4
	Fitness Elective	1
GEOG 341	Geographic Information Systems	3
XXXX ___	Free Elective	3
		Subtotal: 11-16

Senior Year

Fall

BIOL ___	Biology Elective (plant, aquatic, animal, or field)	3-4
BIOL 330	Microbiology	4
BIOL 497	Environmental Studies Seminar	1
XXXX ___	Free Elective	3
XXXX ___	Free Elective	3
		Subtotal: 14-15

Spring

BIOL ___	Biology Elective (Upper-Division)	3-4
BIOL 463	Conservation Biology	4
CHEM 373	Environmental Quality: The Chemical Approach	4
XXXX ___	Free Elective	3
		Subtotal: 14-15

Total Credit Hours: 116

For more information, contact the department at 570-422-3725 or visit our website www.esu.edu/biol

116 is the Minimum Total Credits.

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
OR		
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 Wallop's 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	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
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. (p. 43)

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	GN: Introductory Biology I	4
BIOL 330	Microbiology	4
BIOL 331	Genetics	3
BIOL 416	Parasitology	3
BIOL 437	Immunology	3
	And	
BIOL 439	Molecular Biology	3
OR		
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
CPSC 101	GN: Personal Computers 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. (p. 43)

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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: 14

Spring

BIOL 331	Genetics	3
CHEM 234	Organic Chemistry II	3
CHEM 236	Organic Chemistry II Lab	1
MATH 110	GN: General Statistics	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

Subtotal: 30-32

Total Credit Hours: 120

For more information, contact the department at 570-422-3725 or visit www.esu.edu/biol

Biological Sciences Faculty

Professors:

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Assistant Professors:

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Tracy Whitford (twhitford@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.

Distribution: GE: Natural Sciences - Biology | GN: Group B - Biology (BBI).

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.

Distribution: GE: Natural Sciences - Biology | GN: Group B - Biology (BBI).

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.

Distribution: GE: Natural Sciences - Biology | GN: Group B - Biology (BBI).

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.

Distribution: GE: Natural Sciences - Biology | GN: Group B - Biology (BBI).

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.

Distribution: GE: Natural Sciences - Biology | GN: Group B - Biology (BBI).

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 I Laboratory for the Health Sciences (1 credit)
The laboratory experience that will introduce health science students to an in-depth anatomical and physiological analysis of the skeletal, joint, integument, muscular, nervous, and organ systems. Kinesthetic and biomechanical analyses, physiological exercises, virtual dissections, disarticulated skeletons, organ models, and various audiovisual/technical aids will be used to augment student comprehension. This course cannot be used for credit towards a major in the Biological Sciences.

Distribution: GE: Natural Sciences - Biology.

BIOL 118 - GE: Human Anatomy and Physiology II for the Health Sciences (3 credits)
This is the second of a two-course sequence that will introduce students to the study of the normal structure and function of the human body. Students will explore the endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems from the perspective of a clinical setting. Clinical and applied case studies will be utilized to emphasize role of preventative and rehabilitative health care on anatomical/physiological systems. This course cannot be used for credit towards a major in the Biological Sciences.

Distribution: GE: Natural Sciences- Biology. Prerequisite: BIOL 116.

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.

Distribution: Advanced. Prerequisite: Effective Spring 2020: BIOL 114, BIOL 115.

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 refugees.

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 stresses.

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, 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 principles of 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 200.

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 428 - 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 a study of the embryology, histology, and function 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 covered. 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 also is 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 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 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 also is 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 458 - Wildlife Diseases (3 credits)
This course includes a study of the occurrence, principles, concepts and significance of disease in wildlife. Representative diseases along with their mechanism for pathogenicity will be studied. 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 330.

BIOL 459 - Wildlife Disease Laboratory (1 credits)
This course is designed to demonstrate the immunological and biochemical factors in disease diagnosis. Common laboratory tests in hematology, blood chemistry, and microbiology will be employed. Birds, fish, and mammals will be the subjects examined. Since this course is also offered for graduate credit, a differentiation of requirements will be made. Prerequisites: BIOL 114, BIOL 115, BIOL 330 AND BIOL 458 (Concurrent)

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.

Distribution: Advanced. Prerequisite: BIOL 111, BIOL 112 . Corequisite: BIOL424.

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).

Distribution: Advanced. Prerequisite: BIOL 330. Corequisite: BIOL 437.

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 basis 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).

Distribution: Advanced. Prerequisite: BIOL 114, BIOL 331, CHEM 121, CHEM 123, CHEM 124, CHEM 126 AND BIOL 439. Corequisite: BIOL 439.

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: BIOL114 AND BIOL115.

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 internships.

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.

Distribution: Advanced.

BIOL 491 - Behavioral Ecology Laboratory (1 credits)
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 (W_3) .

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 360 - Conservation in Marine Science (3 credits)
The course is designed to provide students with an overview of current issues in marine science conservation. We will explore five main themes during the semester: basic overview; marine biodiversity; fisheries and conservation; management techniques; and human impacts on conservation.

Distribution: Advanced. Prerequisite: BIOL 114 & BIOL 115.

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 bethnic 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: Two semesters of Introductory Biology. Recommended: Introduction to Oceanography. .

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 in 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 basis 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 478 - Anatomy of Marine Chordates (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 479 - 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 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 systematics 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 (p. 81) for Biotechnology

See Chemistry and Biochemistry (p. 119) for Chemical Biotechnology

Business Management

College of Business and Management

The Faculty of Business Management

Department of Business Management
Gessner Science Hall
570-422-3251

www.esu.edu/cbm

The 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 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

60 credits (required courses and cognate courses)

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	3
MGT 452	Organizational Strategy	3
		Subtotal: 51

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 Semester

PSY 100	GN: General Psychology	3
CMST 111	GN: Introduction to Communication	3
MATH 130	GN: Applied Algebraic Methods	3
OR		
XXXX ____	Natural Science General Education	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
CPSC 100	GN: Personal Computers and Their Uses	3
OR		
CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
OR		
CPSC 103	GN: Introduction to Information Technology	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
GenEd ____	General Education Course	3
		Subtotal: 15

Spring

MGT 200	Principles of Management	3
MGT 212	Managerial and Cost Accounting Fundamentals	3
MGT 250	Quantitative Business Analysis	3
GenEd ____	General Education Course	3
GenEd ____	General Education Course	3
		Subtotal: 15

Junior Year

Fall

MGT 204	Principles of Marketing	3
MGT 301	Financial Management I	3
MGT 331	Intermediate Financial Accounting I	3
MGT 333	Intermediate Managerial & Cost Accounting	3
GenEd ____	General Education Course	3
		Subtotal: 15

Spring

MGT 332	Intermediate Financial Accounting II	3
MGT 352	Human Resource Management	3
MGT 355	Business Ethics	3

MGT 431	External/Financial Auditing	3
GenEd ____	General Education Course	3
		Subtotal: 15

Senior Year

Fall

MGT 335	Tax Accounting I	3
MGT 432	Intermediate Financial Accounting 3	3
XXXX ____	Elective (300 Level)	3
XXXX ____	Elective (300 Level)	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

MGT 336	Tax Accounting II	3
MGT 438	Forensic Accounting	3
MGT 452	Organizational Strategy	3
XXXX ____	Elective (300 Level)	3
XXXX ____	Elective (300 Level)	3
		Subtotal: 15

Total Credit Hours: 120

- For more information, contact the department by calling 570-422-3251 or visit www.esu.edu/cbm.
- For assistance or special accommodations, call 570-422-3954.

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 …

- Effectively and efficiently managing people, methods, materials, equipment, and money to meet customer needs
- 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:

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 352	Human Resource Management	3
MGT 355	Business Ethics	3
MGT 452	Organizational Strategy	3

Concentration courses:

Fifteen credits from one of the following areas:

Management:

Select any five of the following:

MGT 333	Intermediate Managerial & Cost Accounting	3
MGT 351	Operations Management	3

MGT 353	Small Business Management	3
MGT 354	Retail Management	3
MGT 359	Labor History & Industrial Relations	3
MGT 362	Globalization & International Management	3
MGT 453	Organizational Leadership	3
MGT 454	Organizational Behavior	3
ECON 332	Forecasting Methods	3

Entrepreneurship:

All of the following are required:

MGT 353	Small Business Management	3
MGT 363	Entrepreneurship & New Venture Creation	3
MGT 370	Consumer Behavior	3
MGT 375	Innovation & New Product Development	3
MGT 453	Organizational Leadership	3

Supply Chain Management:

MGT 323	Organizational Theory	3
MGT 350	Quantitative Business Analysis II	3
MGT 351	Operations Management	3
MGT 423	Total Quality Management	3
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. (p. 43)

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
MGT 225	Business Law I	3
PSY 100	GN: General Psychology	3
XXXX ____	Arts/Letters General Education course	3
XXXX ____	Social Science General Education course	3
		Subtotal: 15

Spring

MGT 212	Managerial and Cost Accounting Fundamentals	3
MGT 250	Quantitative Business Analysis	3
ENGL 205	Workplace Writing	3

XXXX ____	Arts/Letters General Education course	3
XXXX ____	Social Science General Education course	3
		Subtotal: 15

Junior Year

Fall

MGT 200	Principles of Management	3
MGT 204	Principles of Marketing	3
MGT 301	Financial Management I	3
XXXX ____	Arts/Letters General Education course	3
XXXX ____	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
XXXX ___	Elective	3
		Subtotal: 15

Spring

MGT 452	Organizational Strategy	3
MGT ____	Concentration Course 4	3
MGT ____	Concentration Course 5	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Total Credit Hours: 120

For more information, contact the department by calling 570-422-3251 or visit www.esu.edu/cbm.

For assistance or special accommodations, call 570-422-3954.

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 Analysts
- 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 110	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

Additional requirements

2.5 GPA required in the major

Entrance requirements

Must have an overall GPA of 2.25 or greater to be admitted into the major.

Marketing B.S.

About the Program

The B.S. in Marketing is designed to prepare students for professional careers as:

- Marketing Managers
- Advertising Account Executives
- Retail Managers
- Marketing Research Analysts
- Brand Managers
- Chief Marketing Officers
- Sales Managers

The Marketing B.S. will provide students with the essential knowledge in areas of advertising, consumer behavior, sales management, marketing research, and strategy, with an emphasis on the application of ethical principles and an understanding of how the business environment (specifically the influence of political, social, legal, regulatory, environmental, competitive and technological concerns) affects the decisions managers need to make. Additionally, the program will emphasize spreadsheet and statistical software skills, decision making skills, analysis, evaluation, and effective data visualization.

PROGRAM FEATURES

57 credits (required courses and cognate courses)

Co-requisite Directed General Education courses:

CMST 111	GN: Introduction to Communication	3
PSY 100	GN: General Psychology	3
ECON 111	GN: Principles of Macroeconomics	3
MATH 110	GN: General Statistics	3
ENGL 205	Workplace Writing	3
CPSC 103	GN: Introduction to Information Technology	3

Co-requisite Cognate courses:

ECON 112	GN: Principles of Microeconomics	3
MATH 130	GN: Applied Algebraic Methods	3
		Subtotal: 6

Additional requirements:

- 2.5 GPA in required courses
- Please see the University requirements in the Undergraduate Catalog.

Required 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 352	Human Resource Management	3
MGT 355	Business Ethics	3
MGT 452	Organizational Strategy	3
		Subtotal: 33

Choose six courses from the following:

MGT 325	Logistics Management	3
MGT 350	Quantitative Business Analysis II	3
MGT 354	Retail Management	3
MGT 370	Consumer Behavior	3
MGT 371	Advertising Management	3
MGT 375	Innovation & New Product Development	3
MGT 470	Marketing Research	3
MGT 471	Marketing Management & Strategy	3
MGT 472	Sales Management	3
		Subtotal: 18

4 YEAR CURRICULUM PROGRAM PLAN FOR MARKETING

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 090	Intermediate Algebra	3
OR		
MATH 130	GN: Applied Algebraic Methods	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
GenEd ____	General Education Course	3
CPSC 103	GN: Introduction to Information Technology	3
		Subtotal: 15

Sophomore Year

Fall

MGT 211	Financial Accounting Fundamentals	3
MGT 225	Business Law I	3
MGT 201	Decision Science I	3
GenEd ____	General Education Course	3
GenEd ____	General Education Course	3
		Subtotal: 15

Spring

MGT 212	Managerial and Cost Accounting Fundamentals	3
MGT 200	Principles of Management	3
MGT 250	Quantitative Business Analysis	3
GenEd ____	General Education Course	3
GenEd ____	General Education Course	3
		Subtotal: 15

Junior Year

Fall

MGT 301	Financial Management I	3
MGT 204	Principles of Marketing	3
ENGL 205	Workplace Writing	3
GenEd ____	General Education Course	3
GenEd ____	General Education Course	3
		Subtotal: 15

Spring

MGT 352	Human Resource Management	3
MGT 355	Business Ethics	3
MGT 354	Retail Management	3
OR		
MGT 325	Logistics Management	3
MGT 370	Consumer Behavior	3
GenEd ____	General Education Course	3
		Subtotal: 15

Senior Year

Fall

MGT 371	Advertising Management	3
OR		
MGT 472	Sales Management	3
MGT 350	Quantitative Business Analysis II	3
OR		
MGT 375	Innovation & New Product Development	3
XXXX ____	Elective (300 Level)	3
XXXX ____	Elective (300 Level)	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

MGT 470	Marketing Research	3
MGT 471	Marketing Management & Strategy	3
MGT 452	Organizational Strategy	3
XXXX ____	Elective (300 Level)	3
XXXX ____	Elective (300 Level)	3
		Subtotal: 15

Total Credit Hours: 120

- For more information, contact the department by calling 570-422-3251 or visit www.esu.edu/cbm.
- For assistance or special accommodations, call 570-422-3954.

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: Introduction 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)

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Yue Xi (yxi@esu.edu)

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Assistant Professors:

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. Numerous 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: MGT211 AND MGT301 AND MATH130.

MGT 319 - International Financial Management (3 credits)
This course will focus on the expanded opportunities and risks afforded by international investing and financing. Primary topics include the management of international economic, transaction, and translation exposure; management of international banking, equity, and debt instruments, and selecting and managing direct foreign investments, foreign taxes, and transfer pricing.

Distribution: Advanced. Prerequisite: MGT200 AND MGT211 AND MGT301 AND MGT340 AND MATH130.

MGT 323 - Organizational Theory (3 credits)
A detailed, comprehensive analysis of organizations is presented at an intermediate level. Organizational linkage systems provide the framework in which the internal environment and organizational dynamics are studied. Topics covered include organizational goals, structure, design, size, complexity, culture, conflict, change, control, power, technology, and strategic planning. Emphasis is placed on understanding why organizations function as they do and how they should be designed and managed to achieve maximum effectiveness.

Distribution: Advanced. Prerequisite: MGT200.

MGT 325 - Logistics Management (3 credits)
This course provides a practical, management perspective of logistics including: distribution, transportation, international logistics, sustainable logistics practices, key performance indicators, supply chain finance, and an introduction to logistics technology including RFID and ERP systems. The course is designed for students who have little or no previous coursework or professional experience in logistics.

Prerequisite: MGT 200, MGT 250 and MATH 110.

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, planning, compliance, deductions, property sales, non-taxable exchanges, shelters, credits, and computations.

Distribution: Advanced. Prerequisite: MGT200 AND MGT211 AND MGT212.

MGT 336 - 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: 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 342 - Investment Analysis (3 credits)
A detailed analysis of investment instruments is presented in the context of portfolio theory. Risk and return analyses, a security markets operation, and valuation models are reviewed. Emphasis is placed on asset pricing and investment strategies. Topics covered include equity and fixed-income securities, financial commodities futures, stock and index options, institutional operations, and international investment opportunities.

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: ADVD. Prerequisite: MGT 301 Financial Management I.

MGT 350 - Quantitative Business Analysis II (3 credits)
This is an intermediate course in business and economic data analysis. It is a formal introduction to research methods and techniques used in managerial and financial forecasting. Students will be introduced to basic time series analysis, decision analysis and regression.

Distribution: Advanced. Prerequisite: MGT250.

MGT 351 - Operations Management (3 credits)
The primary focus of this course is to introduce how operations are carried out in real business today. The focus will be on the production/operations processes, the value chain, total quality management, resource planning and inventory control systems, facility planning and supply chain management. Students will be exposed to a wide variety of concepts, tools and applications that help them prepare for a career in business.

Distribution: Advanced. Prerequisite: MGT200 AND MGT201 OR MATH130.

MGT 352 - Human Resource Management (3 credits)
The course is a survey of basic human resource management theory and practice. The processes of human resource recruitment, training, development, motivation, performance evaluation, and compensation are studied in contexts of the applicable theories and concepts of human behavior, ethics and fairness, and legal requirements.

Distribution: Advanced. Prerequisite: MGT200.

MGT 353 - Small Business Management (3 credits)
A comprehensive survey of the challenges that confront the managers of small businesses is presented on an introductory level. Topics covered include the characteristics of small business, starting a small business, organizing the enterprise, marketing; production and operations management, and administrative and financial controls. Problem areas — 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.

Distribution: Advanced. Prerequisite: MGT200 AND MGT204.

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.

Distribution: Advanced. Prerequisite: MGT200 AND MGT204.

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.

Distribution: Advanced. Prerequisite: MGT200.

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.

Distribution: Advanced. Prerequisite: ECON111 OR ECON112 OR HIST141 OR HIST142 OR HIST143 OR HIST144.

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.

Distribution: Advanced. Prerequisite: MGT200 AND ECON112.

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.

Distribution: Advanced. Prerequisite: MGT204 and MGT211.

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.

Distribution: Advanced. Prerequisite: MGT200 AND MGT204 AND ECON112 AND PSY100.

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.

Distribution: Advanced. Prerequisite: MGT201 AND MGT204.

MGT 375 - Innovation & New Product Development (3 credits)
The primary focus in this course is the process of innovation and new product development. Topics include adoptions of innovation and technology, creativity and brainstorming, new product adoption models, and the market research necessary for progressively developing, introducing and continuous improvement of products.

Distribution: Advanced. Prerequisite: MGT370 AND MGT250 OR MATH110 AND ECON111 AND ECON112.

MGT 423 - Total Quality Management (3 credits)
This course focuses on the essence, principles, and practices of total quality management (TQM). Topics covered include: a culture of quality, the effect of quality on competitiveness, ethics and corporate social responsibility, strategic alliances, effective communication, continuous improvement methods, such as Six Sigma and Just-in-Time manufacturing.

Distribution: Advanced. Prerequisite: MGT 200 AND MGT 250 AND MGT 351 AND MATH 110. Offered: MGT.

MGT 430 - Internal/Operational Auditing (3 credits)
Internal auditors act as agents of continuous organizational improvement through their analysis of information system integrity and reliability, resource security and productivity, policy compliance, and operational efficiency and effectiveness. This course is a comprehensive survey of Institute of Internal Auditor standards, procedures and practices for this important value-added activity.

Distribution: Advanced. Prerequisite: MGT200AND MGT211 AND MGT212.

MGT 431 - External/Financial Auditing (3 credits)
Independent external auditors (CPA's) examine evidence regarding a firm's transactions and condition and report their conclusions about the fairness of the firm's financial reporting. This course is a comprehensive survey of American Institute of CPA auditing standards, procedures, and reports. May be taken concurrently with MGT 332.

Distribution: Advanced. Prerequisite: MGT211 AND MGT212 AND MGT331 AND MGT332.

MGT 432 - Intermediate Financial Accounting 3 (3 credits)
The completion of the in-depth study of the Financial Accounting Standards Board (FASB) body of principles of recognition and measurement begun in MGT 332. Topics include: stockholders equity, investing assets, and specialized topics enacted by the FASB.

Distribution: ADVD. Prerequisite: MGT 211, 212, 331, 332.

MGT 434 - Financial Statement Analysis (3 credits)
This course explores the basic tools necessary to analyze financial statements primarily from a credit grantor's perspective. It examines ratio analysis, cash flow analysis, balance sheet and income statement analysis, and trend analysis. It emphasizes cash flow generation, liquidity, leverage, profitability, and asset utilization.

Distribution: ADVD. Prerequisite: MGT 211, 212, 331, 332.

MGT 435 - Advanced Accounting (3 credits)
This course provides an analytical overview of the accounting problems associated with mergers, acquisitions, and the preparation and interpretation of financial reports with respect to the resultant combined corporate entities, translation of foreign financial statements, and governmental fund and not-for-profit accounting. International perspectives and ethical issues are integrated throughout.

Distribution: Advanced. Prerequisite: MGT331 AND MGT332.

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: ADVD. Prerequisite: MGT 211, 212, 331, 332.

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: MGT200 AND MGT204 AND MGT211 AND MGT225 AND 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 PSY100.

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, canonical, 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:

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 353	Physical Chemistry I	4
CHEM 354	Physical Chemistry II	4
CHEM 371	Analytical Chemistry I: Quantitative	4
CHEM 385	Chemical Literature and Documentation	1
CHEM 495	Chemistry Seminar	1

Co-requisite courses:

CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
MATH 140	GN: Calculus I	4
MATH 141	GN: Calculus II	4
PHYS 161	GN: Physics I	4
PHYS 162	GE: Physics II	4

Additional requirements:

- Please see the university requirements in this catalog. (p. 43)
- Please see the Foreign Language Competency Requirement in this catalog. (p. 44)
- **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

CHEM 121	GN: General Chemistry I	3
CHEM 123	GN: General Chemistry I Lab	1
MATH 135	GN: Pre-Calculus	3
CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
FYE 100	University Studies	3
		Subtotal: 13

Spring

CHEM 124	GE: General Chemistry II	3
CHEM 126	GE: General Chemistry II Lab	1
MATH 140	GN: Calculus I	4
PHYS 161	GN: Physics I	4
ENGL 103	English Composition	3
		Subtotal: 15

Sophomore Year

Fall

CHEM 233	Organic Chemistry I	3
CHEM 235	Organic Chemistry I Lab	1
PHYS 162	GE: Physics II	4
MATH 141	GN: Calculus II	4
HPLW 105	Health Promotion and Lifetime Wellness	3
		Subtotal: 15

Spring

CHEM 234	Organic Chemistry II	3
CHEM 236	Organic Chemistry II Lab	1
MLXX 116	GN: Modern Language I	3
GenEd ___	General Education Elective (Group C)	3
GenEd ___	General Education Elective (Group A)	3

XXXX ___	Elective	3
		Subtotal: 16

Junior Year

Fall

CHEM 353	Physical Chemistry I	4
CHEM 371	Analytical Chemistry I: Quantitative	4
CHEM 385	Chemical Literature and Documentation	1
GenEd ___	General Education Elective (Group C)	3
GenEd ___	General Education Elective (Group A)	3
		Subtotal: 15

Spring

CHEM 354	Physical Chemistry II	4
MLXX 117	Modern Language II	3
GenEd ___	General Education Elective (Group C)	3
GenEd ___	General Education Elective (Group A)	3
XXXX ___	Elective	3
		Subtotal: 16

Senior Year

Fall

GenEd ___	General Education Elective (Group C)	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

CHEM 495	Chemistry Seminar	1
XXXX ___	Elective	2
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Total Credit Hours: 120

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:

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 353	Physical Chemistry I	4
CHEM 354	Physical Chemistry II	4
CHEM 371	Analytical Chemistry I: Quantitative	4
CHEM 372	Analytical Chemistry II: Instrumental	4
CHEM 385	Chemical Literature and Documentation	1
CHEM 433	Organic Chemistry III	3
CHEM 441	Inorganic Chemistry I	3
CHEM 442	Inorganic Chemistry II	3
CHEM 460	Advanced Chemistry Laboratory	2
CHEM 495	Chemistry Seminar	1

and three additional credits in CHEM at the 300 to 400 level.

Co-requisite courses:

CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
MLFR 116	GN: French I	3
OR		
MLGR 116	GN: German I	3
OR		
MLSP 116	GN: Spanish I	3
MATH 140	GN: Calculus I	4
MATH 141	GN: Calculus II	4
PHYS 161	GN: Physics I	4
PHYS 162	GE: Physics II	4

Additional requirements:

- Please see the university requirements in this catalog. (p. 43)
- **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

(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
ENGL 103	English Composition	3
FYE 100	University Studies	3
		Subtotal: 14

Spring

CHEM 124	GE: General Chemistry II	3
CHEM 126	GE: General Chemistry II Lab	1
MATH 141	GN: Calculus II	4
PHYS 161	GN: Physics I	4
MLXX 116	GN: French I, or German I, or Spanish I	3
		Subtotal: 15

Sophomore Year

Fall

CHEM 233	Organic Chemistry I	3
CHEM 235	Organic Chemistry I Lab	1
PHYS 162	GE: Physics II	4
HPLW 105	Health Promotion and Lifetime Wellness	3
CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
		Subtotal: 14

Spring

CHEM 234	Organic Chemistry II	3
CHEM 236	Organic Chemistry II Lab	1
GenEd ___	General Education Elective (Group C)	3
GenEd ___	General Education Elective (Group C)	3
GenEd ___	General Education Elective (Group A)	3
GenEd ___	General Education Elective (Group A)	3
		Subtotal: 16

Junior Year

Junior and senior level course sequences may be modified based on availability.

Fall

CHEM 353	Physical Chemistry I	4
CHEM 385	Chemical Literature and Documentation	1
CHEM 315	Biochemistry	3
CHEM 371	Analytical Chemistry I: Quantitative	4
GenEd ___	General Education Elective (Group A)	3
		Subtotal: 15

Spring

CHEM 354	Physical Chemistry II	4
CHEM 372	Analytical Chemistry II: Instrumental	4
GenEd ___	General Education Elective (Group C)	3
GenEd ___	General Education Elective (Group C)	3
		Subtotal: 14

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.

CHEM 433	Organic Chemistry III	3
CHEM 441	Inorganic Chemistry I	3
CHEM 3XX	Chemistry Elective Course	3
OR		
CHEM 4XX	Chemistry Elective Course	3
XXXX ___	Elective	3
XXXX ___	Elective	4
		Subtotal: 16

Spring

CHEM 442	Inorganic Chemistry II	3
CHEM 460	Advanced Chemistry Laboratory	2
CHEM 495	Chemistry Seminar	1
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	4
		Subtotal: 16

Total Credit Hours: 120

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:

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 353	Physical Chemistry I	4
CHEM 354	Physical Chemistry II	4
CHEM 371	Analytical Chemistry I: Quantitative	4
CHEM 385	Chemical Literature and Documentation	1
CHEM 495	Chemistry Seminar	1
CHEM 499	Student Teaching Internships	1

Co-requisite courses:

BIOL 114	GN: Introductory Biology I	4
BIOL 115	GE: Introductory Biology II	4
MATH 140	GN: Calculus I	4
MATH 141	GN: Calculus II	4
PHYS 161	GN: Physics I	4
PHYS 162	GE: Physics II	4

Required professional education courses:

PSED 161	Foundations of Education	3
SPED 102	Diversity of the Learner	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 446	Teaching of Science in the Secondary Schools	3
SPED 350	Assessment of Student Learning and Behavior in Diverse Communities	3
REED 350	Teaching Reading to Communities of Diverse Learners	3

Recommended courses:

CHEM 373	Environmental Quality: The Chemical Approach	4
CHEM 493	Research In Chemistry	3
GEOG 120	GN: Physical Geography	3
OR		
GEOG 121	GN: Physical Geology	3
DMET 262	Educational Communications and Technology	3

Additional requirements:

- Please see the university requirements in this catalog. (p. 43)
- **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:

CMST 111	GN: Introduction to Communication	3
MLSP 116	GN: Spanish I	3
MLSP 117	GN: Spanish II	3
ENGL 177	GN: Environmental Literature	3
OR		
ENGL 180	GN: Literature and Science	3
ART 251	GN: Sculpture	3

ART 253	GN: Ceramics I	3
ART 254	GN: Painting I	3
ART 256	GE: Watercolor Painting	3
THTR 230	GN: Stagecraft	3
OR		
THTR 102	GN: Acting	3
PHIL 221	GN: Logic I	3

Among your 12 credits from 4 areas in Social Studies Group C, consider these courses:

GEOG 220	GE: Meteorology	3
GEOG 320	GE: Climatology	3
GEOG 321	GE: Geomorphology	3

Students in a 4 1/2 or 5 year or M.S. plan with time for elective credits should also consider:

CHEM 373	Environmental Quality: The Chemical Approach	4
CHEM 493	Research In Chemistry	3

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
ENGL 103	English Composition	3
PSED 161	Foundations of Education	3
FYE 100	University Studies	3
		Subtotal: 17

Spring

CHEM 124	GE: General Chemistry II	3
CHEM 126	GE: General Chemistry II Lab	1
MATH 141	GN: Calculus II	4
PHYS 161	GN: Physics I	4
SPED 102	Diversity of the Learner	3
		Subtotal: 15

Sophomore Year

Fall

CHEM 233	Organic Chemistry I	3
CHEM 235	Organic Chemistry I Lab	1
PHYS 162	GE: Physics II	4
PSED 250	The Psychology of Learners In Diverse Communities	3
ENGL ___	ENGL Literature GenEd Elective	3
HPLW 105	Health Promotion and Lifetime Wellness	3
		Subtotal: 17

Spring

CHEM 234	Organic Chemistry II	3
CHEM 236	Organic Chemistry II Lab	1
PSED 250	The Psychology of Learners In Diverse Communities	3
GEOG 121	GN: Physical Geology	3
GenEd ___	General Education Elective (Group A)	3
GenEd ___	General Education Elective (Group C)	3
		Subtotal: 16

Junior Year

Fall

CHEM 353	Physical Chemistry I	4
CHEM 385	Chemical Literature and Documentation	1
BIOL 114	GN: Introductory Biology I	4
REED 350	Teaching Reading to Communities of Diverse Learners	3
GenEd ___	General Education Elective (Group A)	3
GenEd ___	General Education Elective (Group C)	3
		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/	6

Senior High School

Subtotal: 13

Total Credit Hours: 127

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 235	Organic Chemistry I 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 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
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 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. (p. 43)

- 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

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
GenEd ___	General Education Elective (Group C)	3
ENGL 103	English Composition	3
HPLW 105	Health Promotion and Lifetime Wellness	3
		Subtotal: 16-17

Sophomore Year

Chemistry/Biology Electives: see below

Fall

CHEM 233	Organic Chemistry I	3
CHEM 235	Organic Chemistry I Lab	1
BIOL 281	Introduction to Biotechnology	3
CHEM/BIOL	Chemistry/Biology Elective	4
GenEd ___	General Education Elective (Group A)	3
		Subtotal: 14

Spring

CHEM 234	Organic Chemistry II	3
CHEM 236	Organic Chemistry II Lab	1
PHYS 131	GN: Fundamental Physics I	4
GenEd ___	General Education Elective (Group C)	3
GenEd ___	General Education Elective (Group A)	3
		Subtotal: 14

Junior Year

Fall

CHEM 315	Biochemistry	3
CHEM 317	Biochemistry Laboratory	1
PHYS 132	GE: Fundamental Physics II	4
GenEd ___	General Education Elective (Group C)	3
GenEd ___	General Education Elective (Group A)	3
		Subtotal: 14

Spring

CHEM 420	Biochemical Methods	3
CHEM 422	Biochemical Methods Laboratory	1
BIOL 411	Introduction to Molecular Biotechnology	3
OR		
BIOL 439	Molecular Biology	3
	And	
BIOL 477	Molecular Biology Lab	1
CHEM/BIOL	Chemistry/Biology Elective	4
GenEd ___	General Education Elective (Group C)	3
		Subtotal: 14-15

Senior Year

Fall

CHEM 350	Biochemical Energetics	3
CHEM 352	Biochemical Energetics Laboratory	1
CHEM 371	Analytical Chemistry I: Quantitative	4
CHEM/BIOL	Chemistry/Biology Elective	4
GenEd ___	General Education Elective (Group A)	3
		Subtotal: 15

Chemistry/Biology Electives: see below

Spring

CHEM/BIOL	Chemistry Biology Elective	3
CHEM 495	Chemistry Seminar	1
XXXX ___	Electives	12
		Subtotal: 16

Chemistry/Biology Electives

CHEM 372	Analytical Chemistry II: Instrumental	4
CHEM 412	Contemporary Topics in Biochemistry	3
CHEM 418	Molecular Toxicity	3
CHEM 436	Medicinal Chemistry	3
CHEM 461	Polymer Chemistry	3
CHEM 493	Research In Chemistry	3
BIOL 330	Microbiology	4
BIOL 331	Genetics	3

BIOL 380	Cell Culture Techniques	2
BIOL 437	Immunology	3
BIOL 465	Immunology Laboratory	1

Total Credit Hours: 120

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:

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
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

6 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

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. (p. 43)
- 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 I 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
PHYS 131	GN: Fundamental Physics I	4
OR		
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. (p. 43)
- 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 419	Biochemistry II	3
CHEM 415	Proteins and Nucleic Acids	3
CHEM 417	Proteins and Nucleic Acids Laboratory	1
BIOL ___	Biology Elective	3
GenEd ___	General Education Elective (Group A)	3
GenEd ___	General Education Elective (Group A)	3
		Subtotal: 16

Senior Year

Fall

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
		Subtotal: 15

Spring

CHEM 420	Biochemical Methods	3
CHEM 422	Biochemical Methods Laboratory	1
CHEM 495	Chemistry Seminar	1
BIOL ___	Biology Electives	6
XXXX ___	Electives	5
		Subtotal: 15

Total Credit Hours: 120

For more information, contact the department at 570-422-3342 or visit www.esu.edu/chem.

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.

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.

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-requisite 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 declare a major in chemical biotechnology or related fields, finish the bachelor's degree at ESU, then matriculate to a pharmacy school.

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 | GN: Group B - Chemistry (BCH).

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 | GN: Group B - Chemistry (BCH).

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 | GN: Group B - Chemistry (BCH).

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 | GN: Group B - Chemistry (BCH).

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 | GN: Group B - Chemistry (BCH).

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 | GN: Group B - Chemistry (BCH).

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 | GN: Group B - 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 | GN: Group B - 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 | GN: Group B - Chemistry (BCH). Prerequisite: Concurrent registration in CHEM 121 is required.

CHEM 124 - GE: General Chemistry II (3 credits)
This course is a study of the concepts of equilibrium, thermodynamics, acid-base chemistry, kinetics, electrochemistry, and nuclear chemistry.

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 128 - General Chemistry II Problem Solving (1 credits)
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 212 - GE: Chemical Basis of Life (3 credits)
The fundamental concepts developed in CHEM 111 are applied to the study of organic molecules and functional groups and their importance to biochemical structures. The structure, properties, nomenclature, and reactions of the different classes of organic and biochemical compounds are discussed as well as isomerism and metabolism and their biochemical applications to the health sciences.

Distribution: GE: Natural Sciences-Chemistry. Prerequisite: CHEM 111.

CHEM 233 - Organic Chemistry I (3 credits)
The structure, nomenclature, preparation, and reactions of organic compounds will be studied using modern theories and reaction mechanisms as unifying bases.

Distribution: Advanced. Prerequisite: CHEM 124 and CHEM 126, concurrent or completed, except with permission of department. .

CHEM 234 - Organic Chemistry II (3 credits)
This course is a continuation of CHEM 233, Organic Chemistry I.

Distribution: Advanced. Prerequisite: CHEM 233 AND 236 concurrent or completed, except with permission of department. .

CHEM 235 - Organic Chemistry I Lab (1 credit)
A series of experiments designed to introduce the student to the techniques and equipment used in the preparation and characterization of organic compounds will be undertaken.

Distribution: Advanced. Prerequisite: CHEM 233 concurrent or completed. .

CHEM 236 - Organic Chemistry II Lab (1 credit)
This course is a continuation of CHEM 235, Organic Chemistry Lab.

Distribution: Advanced | Level II Writing (W2). Prerequisite: CHEM 233 and CHEM 235 ;CHEM 234 concurrent or completed.

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 275 - 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 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 350 - Biochemical Energetics (3 credits)
This course focuses on the energetics of biomolecules and biochemical processes. Topics covered include the importance of electrostatic interactions in determining structure and function of biomolecules, bimolecular folding and processes of denaturation, bioenergetics application of thermodynamic, mechanisms of enzyme action, enzyme kinetics, cooperative bonding models, solution properties of macromolecules, membrane dynamics.

Distribution: Advanced. Prerequisite: CHEM 315 AND MATH 140 AND PHYS 131 OR PHYS 161.

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 14 AND PHYS 131 OR PHYS 161 AND CHEM 350 concurrently . .

CHEM 353 - Physical Chemistry I (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 354 - Physical Chemistry II (4 credits)
This course is a continuation of CHEM 353 with emphasis on the theory and applications of quantum mechanics to simple chemical systems, introduction to spectroscopy and statistical mechanics.

Distribution: Advanced. Prerequisite: CHEM 353.

CHEM 371 - Analytical Chemistry I: Quantitative (4 credits)
This course is a study of the theories and methods of gravimetric and volumetric analysis with a brief introduction to the use of some modern analytical instrumentation. Precision and accuracy in laboratory work and training in chemical calculations are emphasized.

Prerequisite: CHEM 124, CHEM 126.

CHEM 372 - Analytical Chemistry II: Instrumental (4 credits)
This course is a study of principles and applications of modern analytical methods with emphasis on physiochemical measurements. Topics include electrochemical, spectrochemical, chromatographic, and radiochemical methods.

Distribution: Advanced. Prerequisite: CHEM 353 AND CHEM 371.

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 124 AND CHEM 126.

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 124 AND CHEM 353 (concurrent registration in CHEM 353 permitted). .

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 353 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 234 AND CHEM 236 AND CHEM 354.

CHEM 485 - Independent Study (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 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.

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)

More detailed career information is available from the department and from the department website: www.esu.edu/cmst.

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

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).

or

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. 43) (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
XXXX ___	Elective	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
XXXX ___	Elective	3

Subtotal: 15

Sophomore Year

Fall

CMST 250	Analysis of Communication Theory	3
	Required Course in CMST Track	3
GN:____	General Education Elective - Natural Science	3
GenEd ___	General Education Elective - Humanities #3	3
XXXX ___	Elective	3

Subtotal: 15

Spring

CMST 310	Intercultural Communication	3
	Required Course in CMST Track	3
GN:____	General Education Elective - Natural Science	3
GN:____	General Education Elective - Social Science	3
XXXX ___	Elective	3
	Fitness Courses(s)	2

Subtotal: 17

Junior Year

Fall

CMST 365	Communication Research	3
OR		
	300-400 Track Elective	3
	Required Course in CMST Track	3
GN:____	General Education Elective - Natural Science	3
GN:____	General Education Elective - Social Science	3
XXXX ___	Elective	3

Subtotal: 15

Spring

CMST 365	Communication Research	3
OR		
	300-400 Track Elective	3

	Required Course in CMST Track	3
GenEd ___	General Education Elective - Humanities #3	3
GN:____	General Education Elective - Social Science	3
XXXX ___	Elective	3
		Subtotal: 15

Senior Year

Fall

CMST 495	Seminar in Communication Studies	3
OR		
	300-400 level Track Elective	3
	300-400 level Track Elective	3
XXXX ___	Elective	3
	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

CMST 495	Seminar in Communication Studies	3
OR		
	300-400 level Track Elective	3
	300-400 level Track Elective	3
XXXX ___	Elective	3
	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Total Credit Hours: 122

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
CMST 126	GN: Introduction to Mass Media	3
CMST 250	Analysis of Communication Theory	3

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 (amcclanahan@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:

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.

Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Communication (C).

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.

Distribution: GE: Humanities - Fine Arts | GN: Group A - Fine Arts (AFA) | Communication (C).

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.

Distribution: GE: Humanities - Fine Arts | GN: Group A - Fine Arts (AFA) | Artistic Expression (A).

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.

Distribution: GE: Humanities - Fine Arts | GN: Group A - Fine Arts (AFA) | Artistic Expression (A).

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: CMST 111 or CMST 126, 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.

Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Communication (C).

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, CMST163, 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 the medium of their respective voices as well as an opportunity to develop their vocal skills for broadcasting news, sports, interviewing, and educational programming.

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 effective persuasive messages using the strategies derived from both rhetorical tradition and social-scientific research. This course also examines the ethics of persuasion in the realm of public communication from legal, commercial, and religious perspectives

Prerequisite: CMST 111 OR CMST 250 or CMST 253.

CMST 329 - GN: Rhetorical Perspectives (3 credits)
This course is designed to familiarize the students with various theoretical perspectives which attempt to explain how we are persuaded to our beliefs and actions.

Distribution: GE: Humanities - Fine Arts|GN: Group A - Fine Arts (AFA)|Communication (C)|Advanced. Prerequisite: CMST 111 or CMST 253; CMST 250; and ENGL 103.

CMST 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: POLS211.

CMST 331 - 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-Performing Arts. Prerequisite: CMST 253.

CMST 333 - GN: Argumentation and Advocacy (3 credits)
This course studies the ways beliefs are changed or instilled in an audience as a result of a message's argumentative or persuasive qualities. The principal mode of message studied is that of the public speech, but other messages will be examined critically to determine how those messages function argumentatively and persuasively.

Distribution: GE: Humanities - Fine Arts|GN: Group A - Fine Arts (AFA)|Communication (C)|Advanced (ADVD). Prerequisite: CMST 111, and either CMST253 or PHIL 221.

CMST 337 - Broadcast Management (3 credits)
This course deals with the organization and management of radio and television stations: personnel, programming formats, sales, audience analysis, social and governmental responsibility.

Distribution: Advanced. Prerequisite: CMST 126.

CMST 340 - Critical Perspectives on Social Media Use (3 credits)
Students will study a variety of critical perspectives to analyze and interpret how social media use potentially affects communication in terms of interpersonal relationships, intended audiences, message design, message feedback and traditional media use (newspapers, television, radio, magazines, books).

Distribution: Advanced. Prerequisite: CMST126 AND ENGL103.

CMST 342 - Popular Music as Cultural Text (3 credits)
This course will examine the importance of contemporary American popular music as a communicative medium and signifying practice which can affect cultural and subcultural identity.

Distribution: Level II Writing (W2)|Advanced (ADVD). Prerequisite: CMST 126, CMST 136, ENGL 103.

CMST 348 - GE: Media Criticism (3 credits)
This course develops a variety of methods for analyzing both the functions and the products of mass media. After examining the cultural contexts in which the media operate, the course will establish important critical methods and offer opportunities to apply these methods in critical practice.

Distribution: GE: Humanities|Level II Writing (W2)|Advanced (ADVD). Prerequisite: CMST126, CMST 250, ENGL 103.

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: CMST 126, 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: CMST 126, 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: CMST 126, 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 II 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.

CMST 441 - Communication Law (3 credits)
This course focuses on communication law principles and practices essential to professional communicators in many fields. Topics include, but are not limited to, the role of the first amendment, defamation, privacy, protection of sources and journalists, access to government places and documents, and a particular emphasis on examining the impact of the digital technology on both national and international laws protecting intellectual property.

Distribution: Level II Writing (W2)|Advanced (ADVD). Prerequisite: CMST 126 OR CMST 111, and POLS 211, ENGL 103 and a minimum of 60 undergraduate credits.

CMST 445 - Mass Media & Communication Ethics (3 credits)
This course examines the various viewpoints and theories on mass media and communication ethics. The course investigates the correspondence and discussions between the scholars and professionals involved in various subdivisions of communication and ethics. The course aims to study and explore the philosophical bases of decisions, empirical studies, and literature dealing with mass media content and the behavior of practitioners in journalism, broadcasting, public relations, advertising, and other mass communication disciplines.

Distribution: Level II Writing (W2)|Advanced. Prerequisite: CMST126 AND CMST250 OR PHIL110.

CMST 455 - Public Relations Campaigns (3 credits)
This course will provide a pedagogical simulation to develop a potential public relations campaign. Students will follow the professional and theoretical steps of research, planning, communication and evaluation in a public relations campaign process. Campaign topics will usually be selected from the national case study competition by the Public Relations Student Society of America (PRSSA).

Distribution: Advanced. Prerequisite: CMST 126, CMST 250, ENGL 205 OR ENGL 215, CMST 255, ENGL 305, CMST 355 OR CMST 365.

460 - Rhetoric of Tourism
This course covers the role of rhetoric and persuasion in the diffusion of innovation. Using theories of diffusion of innovation and contagion, students will examine rhetorical strategies and communication channels and their influence on diffusion including adoption, rejection, discontinuance, and reinvention of innovations. Innovations covered include emerging industries, businesses, products, and ideas.

CMST 486 - Field Experience & Internship (1 - 18 credits)
Field experience gained through placement in a practical on-the-job situation under professional supervision. Credits from an internship cannot be applied to the elective requirements of the department's degree programs.

Distribution: Advanced.

CMST 495 - Seminar in Communication Studies (3 credits)
The course consists of discussion and research of selected topics in communication theory, criticism, and application. It is designed to further those research methods characteristic of professional competence in the field of Speech Communication.

Distribution: Level III Writing (W3)|Advanced. Prerequisite: Senior class standing (90 credits), CMST 365 and ENGL 203 or CMST 307 or CMST 342 or CMST 348 or CMST 363 or CMST 367 or CMST 370 or CMST 441 or CMST 445.

Communication Sciences and Disorders

College of Health Sciences

The Faculty of Health Professions

Monroe Hall
570-422-3247
www.esu.edu/sppa

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 3.2 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

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:

SPPA 101	Speech Language Development	3
SPPA 113	Phonetics	3
SPPA 121	Introduction to Communication Disorders	3
SPPA 214	Anatomic & Physiologic Speech	3
SPPA 231	Introduction to Audiology	3
SPPA 312	Speech Science	3
SPPA 331	Assistive Technology for the Hard of Hearing	3

SPPA 350	Advanced Speech & Language Disorders	3
SPPA 361	Psycholinguistics	3
SPPA 414	Neurologic Bases of Communication	3
SPPA 430	Testing and Measurement in Communication Sciences & Disorders	3
SPPA 457	Intro to Clinical Practice	3

Three additional credits from:

SPPA 321	Communication and Aging	3
SPPA 335	Advanced Sign Language	3
SPPA 423	Multicultural Issues in Speech-Language Pathology	3

Co-requisite/Directed General Education courses:

BIOL 105	GN: General Biology	3
OR		
BIOL 111	GE: Human Anatomy and Physiology I	4
OR		
BIOL 114	GN: Introductory Biology I	4
CPSC 100	GN: Personal Computers and Their Uses	3
	Or	
CPSC 103	GN: Introduction to Information Technology	3
MATH 110	GN: General Statistics	3
MATH 100	GN: Numbers Sets & Structures	3
	Or	
MATH 101	GN: Excursions in Mathematics	3
PHYS 110	GN: Sound Waves & Light	3
PSY 225	GN: Lifespan Developmental Psychology	3
OR		
ECED 232	Child Development and Cognition	3
HLTH 340	Nutrition: Concepts and Controversies	3
OR		
PSY ____	Any 300 or 400 level PSY course	3
REED 315	Scaffolding Language and Literacy Development for Students with Disabilities	3
SOC 331	Human Behavior and the Social Environment	3

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
		Subtotal: 15

Spring

SPPA 101	Speech Language Development	3
ENGL 103	English Composition	3
PSY 100	GN: General Psychology	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
		Subtotal: 15

Sophomore Year

Fall

SPPA 214	Anatomic & Physiologic Speech	3
BIOL 111	GE: Human Anatomy and Physiology I	4
HPLW 105	Health Promotion and Lifetime Wellness	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
		Subtotal: 16

Spring

SPPA 430	Testing and Measurement in Communication Sciences & Disorders	3
PSY 225	GN: Lifespan Developmental Psychology	3
OR		
ECED 232	Child Development and Cognition	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3

GenEd ____	General Education Elective	3
		Subtotal: 15

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
		Subtotal: 15

Spring

SPPA 312	Speech Science	3
SPPA 321	Communication and Aging	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
		Subtotal: 15

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
		Subtotal: 15

Spring

SPPA 414	Neurologic Bases of Communication	3
SPPA 457	Intro to Clinical Practice	3
MATH 110	GN: General Statistics	3
SPPA 361	Psycholinguistics	3
GenEd ____	General Education Elective	3
		Subtotal: 15

For more information, contact the department at 570-422-3247.

Subtotal: 120

SAMPLE PRE-ENTRY CURRICULUM PLAN FOR TRANSFER STUDENTS

(Subject to change by the university without notice)

Freshman Year

Fall

ENGL ____	English Composition	3
	Human Anatomy & Physiology with lab	4
	American History	3
	Math	3
	Fine Arts	3
		Subtotal: 16

Spring

	Speech Communications	3
	Statistics	3
	General Psychology	3
	Political Science	3
	Philosophy or Foreign Language	3
		Subtotal: 15

Sophomore Year

Fall

	PC's & Their Uses	3
	Intro to Sociology	3
ENGL ____	English Literature	3
	Child Development or Psychology	3
XXXX ___	Elective	2-3
		Subtotal: 14-15

Spring

	Physical Science	3
	Geography	3
	Social Science	3
	Performing Art	3
XXXX ___	Elective	3
		Subtotal: 15

SAMPLE CURRICULUM PLAN FOR TRANSFER STUDENTS

This plan assumes a student transfers to ESU with 60 General Education Credits distributed over the appropriate requisite and prerequisite areas.

(Subject to change by university without notice)

Junior Year

Fall

SPPA 121	Introduction to Communication Disorders	3
SPPA 113	Phonetics	3
SPPA 214	Anatomic & Physiologic Speech	3
SPPA 231	Introduction to Audiology	3
GenEd ____	General Education Elective	3
		Subtotal: 15

Spring

SPPA 101	Speech Language Development	3

SOC 331	Human Behavior and the Social Environment	3
SPPA 312	Speech Science	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3

Subtotal: 15

Senior Year

Fall

SPPA 331	Assistive Technology for the Hard of Hearing	3
REED 315	Scaffolding Language and Literacy Development for Students with Disabilities	3
SPPA 350	Advanced Speech & Language Disorders	3
GenEd ____	General Education Elective or Major Elective	3
GenEd ____	General Education Elective	3

Subtotal: 15

Spring

SPPA 430	Testing and Measurement in Communication Sciences & Disorders	3
SPPA 414	Neurologic Bases of Communication	3
SPPA 457	Intro to Clinical Practice	3
SPPA 361	Psycholinguistics	3
HLTH 340	Nutrition: Concepts and Controversies	3
OR		
PSY ____	Any 300 or 400 level PSY course	3
GenEd ____	General Education Elective or Major Elective	3

Subtotal: 15

For more information, contact the department at 570-422-3247. Monroe Hall 570-422-3247 www.esu.edu/sppa.

Gerontology Certificate Program (Sub-baccalaureate)

Coordinator:

Elaine Shuey, Speech-Language Pathology (eshuey@esu.edu)

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.

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	

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

Required Courses

SPPA 101	Speech Language Development	3
SPPA 113	Phonetics	3
SPPA 121	Introduction to Communication Disorders	3

SPPA 214	Anatomic & Physiologic Speech	3
SPPA 231	Introduction to Audiology	3
SPPA 312	Speech Science	3
SPPA 350	Advanced Speech & Language Disorders	3

Subtotal: 21

Communication Sciences and Disorders Faculty

Professor:

Elaine Shuey, Chair (eshuey@esu.edu)

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.

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 ad 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.

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.

We also offer a Computer Science Applications minor.

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 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
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

12 credits of Computer Science electives numbered 220 and above.

Mathematics Co-requisite courses:

MATH 140	GN: Calculus I	4
MATH 141	GN: Calculus II	4
MATH 220	Discrete Mathematical Structures	3
MATH 311	Statistics I	3
MATH 320	Linear Algebra	3

Distributive Co-requisite courses:

ENGL 203	GN: Advanced Composition	3
CMST 111	GN: Introduction to Communication	3

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
	PHYS 240 may be substituted for PHYS 162	4

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 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

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

(Subject to change by the university without notice)

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
CPSC ___	Computer Science Elective	3
CPSC ___	Computer Science Elective	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
		Subtotal: 15

Senior Year

Fall

CPSC 430	Software Engineering	3
CPSC ___	Computer Science Elective	3
GenEd ____	General Education Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

CPSC 486	Computer Science Internship	3-12
CPSC ___	Computer Science Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 12

Total Credit Hours: 120

For more information, contact the department at 570-422-3666 or visit www.esu.edu/cpsc.

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

three credits of Computer Science electives numbered 220 and above.

Co-requisite courses:

MATH 140	GN: Calculus I	4
MATH 141	GN: Calculus II	4
MATH 220	Discrete Mathematical Structures	3
MATH 311	Statistics I	3
ENGL 203	GN: Advanced Composition	3
CMST 111	GN: Introduction to Communication	3

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

and Accounting courses.

Graduate Studies –

MATH 421	Abstract Algebra	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

(Subject 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: 13

Spring

CPSC 487	Security Engineering Internship	3-12
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	
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:

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Assistant Professors:

Jeyaprakash Chelladurai

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.

Distribution: GE: Natural Sciences-Comp Sci|GN: Group B - Computer Science (BCS).

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.

Distribution: GE: Natural Sciences-Comp Sci|GN: Group B - Computer Science (BCS).

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 (BSC).

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.

Distribution: GE: Natural Sciences-Comp Sci|GN: Group B - Computer Science (BCS).

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, authentication, 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.

Distribution: GE: Natural Sciences-Comp Sci|GN: Group B - Computer Science (BCS).

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.

Distribution: GE: Natural Sciences-Comp Sci|GN: Group B - Computer Science (BCS).

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 (BSC).

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|GN: Group B - Computer Science (BCS).

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 141 - Introduction to Computer Organization (3 credits)
This course presents the organization and operation of the classic, single-processor digital computer. Topics include the central processing unit, primary and secondary memory, common peripheral devices, and

computer-usable communications hardware. Also featured is an overview of parallel architectures.

Prerequisite: CPSC 130. Corequisite: 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: CPSC 130, 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.

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.

Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131.

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 232, 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 - Building Graphical User Interfaces (GUIs with Visual.NET) (3 credits)
This course teaches students to use Object-Oriented Design techniques to efficiently build effective Graphical User Interfaces (GUIs) for applications software. It teaches the student how to use two of the most popular tools, Visual C++.NET and Visual Basic.NET, and existing class libraries to rapidly build and maintain GUIs. All students will be required to demonstrate that they have learned how to build a GUI by completing a final class project. This is a programming intensive course.

Distribution: Advanced. Prerequisite: CPSC130 AND CPSC131 AND CPSC230 AND CPSC250.

CPSC 337 - Internet and Web Programming (3 credits)
This course is designed to teach students how to effectively design efficient web-based applications. This course covers XHTML, Cascading Style Sheets, JavaScript, DHTM, 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.

CPSC 340 - Operating Systems Concepts and Design (4 credits)
This course is an introduction to operating systems concepts and design principles. Topics will include all the major areas of operating systems 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 CPSC232 AND CPSC250 AND MATH220.

CPSC 362 - Cryptographic Application Development (3 credits)
In this course students will learn how to effectively design efficient, secure applications using the industry-strength Application Programming Interfaces from .NET and Java. This course covers fundamentals of Cryptography, .NET Symmetric Cryptography, .NET Asymmetric Cryptography, .NET Digital Signatures, XML Signatures, ASP.NET Security, Web Service Security, Java Cryptography Architecture (JCA), and Java Cryptography Extension (JCE). This is a programming intensive course.

Distribution: Advanced. Prerequisite: CPSC 130, 131, 230 and 250.

CPSC 370 - Introduction to Computer Cryptology (4 credits)
This course provides students with an introduction to the field of cryptology. Students will study block and stream ciphers, symmetric and asymmetric ciphers, the strength and weaknesses of ciphers, encryption standards, public key cryptography, digital signatures, key management, 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.

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 MATH320 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 is an introduction to techniques which enable software to improve its performance overtime. History and classic experiments will be presented. Programs will be studied which perform rote learning, learn by being told, learn by analogy, learn from examples (induction), and learn by observation and discovery. There will be some programming practice. This course is usually offered in alternate years.

Distribution: Advanced. Prerequisite: CPSC 130, 131, 230, 250; recommended CPSC 428.

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.

Distribution: Advanced. Prerequisite: CPSC 130, 131, 230 and CPSC 250. Corequisite: CPSC 232 and 340.

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.

Distribution: Advanced | Information Literary/Technology (I) | Level III Writing (W3). Prerequisite: CPSC 130, CPSC 131, CPSC 270, and CPSC 340. Corequisite: CPSC 445.

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.

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.

Distribution: Advanced. Prerequisite: CPSC 130, 131, 141, 230, 232, 250, 321, 330, 340.

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.

Distribution: Advanced. Prerequisite: CPSC 130, 131, 141, 230, 250, 270, 445.

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, SOCJ 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:

SOCJ 150	Intro to Criminal Justice	3
SOCJ 215	The American Court System	3
SOCJ 216	Juvenile Justice	3
SOC 217	Introduction to Criminology	3
SOCJ 250	Corrections	3
SOCJ 251	Police Organization & Admin	3
SOC 254	Quantitative Analysis in Sociology, Social Work & Criminal Justice	3
SOCJ 302	Social Inequality, Crime and Justice	3
SOC 312	Research Methods	3
SOCJ 475	Ethics in Criminal Justice	3
SOC 486	Field Work & Observation	1 - 15
SOC 495	Seminar	3

Subtotal: 36

two of the following Criminal Justice courses:

SOCJ 151	Introduction to Security	3
SOCJ 252	Organized Crime	3
SOCJ 253	Violence in Society	3
SOCJ 350	The Criminal Process	3
SOCJ 351	Police Investigation	3
SOCJ 352	Police and Society	3
SOCJ 353	Crisis Management in Law Enforcement	3
SOCJ 354	Drug Use & Abuse in Society	3
SOCJ 355	Victimology	3
SOCJ 356	Community Corrections	3
SOCJ 460	Schools, Gangs, Violence	3
SOCJ 490	Contemporary Issues in Criminal Justice	3

Subtotal: 6

two of the following Interdisciplinary elective courses:

SOC 102	GN: Introduction to Cultural Diversity	3
SOC 201	GN: The Comparison of Societies	3
SOC 241	GN: Contemporary Social Problems	3
SOC 265	GN: Culture & Society in the Middle East	3
SOC 280	Sociological Perspectives in Globalization	3
SOC 310	GE: Introduction to Social Welfare Policy & Services	3
SOC 333	Chinese Culture and Society	3
SOC 341	GE: Advanced Criminology	3
SOC 231	GN: Marriage and Family	3
SOC 342	GE: Juvenile Delinquency	3
SOC 343	GE: Racial and Cultural Minorities	3
SOC 344	Social Deviance	3
SOC 345	Sociology of Sexuality	3
SOC 370	Sociological Theory	3
SOC 374	Political Sociology	3
SOC 377	GE: WS: Sociology of Women	3
SOC 487	Foreign Study I	3
SOSW 140	Foundations of Social Work Practice	3
PHIL 151	GN: Philosophy of Leadership	3
PHIL 235	GN: Human Rights and Freedom	3
CPSC 103	GN: Introduction to Information Technology	3
CPSC 105	GN: PC Security and Privacy	3
CPSC 327	Introduction to Computer Forensics	3
MGT 211	Financial Accounting Fundamentals	3
MGT 225	Business Law I	3
GEOG 341	Geographic Information Systems	3
GEOG 402	Applied Geographic Information Science (GIS)	3
POLS 413	American Constitutional Law	3
POLS 414	Constitutional Civil Liberties	3
POLS 416	Administrative Law	3
HIST 341	GE: US Military History	3

HIST 346	GE: History of Urban America	3
HIST 354	African-Americans & the Courts	3
HIST 357	History of the Supreme Court: 1789-1914	3
		Subtotal: 6

Directed General Education:

SOC 111	GN: Introduction to Sociology	3
PSY 100	GN: General Psychology	3
POLS 120	GN: American Government	3
PHIL 110	GN: Introduction to Philosophy	3

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

Freshman Year

Fall

SOCJ 150	Intro to Criminal Justice	3
SOC 111	GN: Introduction to Sociology	3
ENGL ____	English Composition	3
FYE 100	University Studies	3
PSY 100	GN: General Psychology	3
		Subtotal: 15

Spring

SOCJ 215	The American Court System	3
SOCJ 251	Police Organization & Admin	3
POLS 120	GN: American Government	3
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
		Subtotal: 15

Sophomore Year

Fall

SOCJ 216	Juvenile Justice	3
SOCJ 250	Corrections	3
PHIL 110	GN: Introduction to Philosophy	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3

And for Diversity Elective (Major) choose one of the following (3 credits):

SOC 201	GN: The Comparison of Societies	3
SOC 343	GE: Racial and Cultural Minorities	3
SOC 377	GE: WS: Sociology of Women	3
SOCJ 302	Social Inequality, Crime and Justice	3
		Subtotal: 15

Spring

HPLW 105	Health Promotion and Lifetime Wellness	3
SOC 217	Introduction to Criminology	3
SOC 254	Quantitative Analysis in Sociology, Social Work & Criminal Justice	3
XXXX ___	Interdisciplinary Elective	3
GenEd ____	General Education Elective	3
		Subtotal: 15

Junior Year

Fall

SOC 312	Research Methods	3
GenEd ____	General Education Elective	3
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
XXXX ____	Major Elective	3
		Subtotal: 15

Spring

SOCJ 302	Social Inequality, Crime and Justice	3
XXXX ___	Interdisciplinary Elective	3
XXXX ___	Free Electives	9
		Subtotal: 15

Senior Year

Fall

SOCJ 475	Ethics in Criminal Justice	3
XXXX ____	Major Elective	3
XXXX ___	Free Electives	9
		Subtotal: 15

Spring

SOC 495	Seminar	3
SOC 486	Field Work & Observation	1 - 15
XXXX ___	Free Electives	9
		Subtotal: 15

Total Credit Hours: 120

For more information, contact the department at 570-422-3453 or visit www.esu.edu/soc.

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:

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
OR		
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

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)

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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.

Distribution: Advanced. Prerequisite: SOC111, SOCJ150, and 1 additional 200-300 level criminal justice or sociology course.

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: SOC 111 (C); SOCJ 150 (C); SOCJ 215 (C) .

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: SOC150.

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: SOCJ 150 (C); SOC 111 (C); SOCJ 251 (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: SOC 111 (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). Crosslisted as: Also offered as SOSW 355.

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: SOC 111 (C); SOCJ 150 (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: SOCJ 150 (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 it's primary component parts - law enforcement, courts, and corrections, and the various forces which have brought about these changes.

Distribution: Advanced. Prerequisite: SOCJ 215 (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	3
DANC 115	GN:Introduction to Dance	3
DANC 210	GN:Elementary Ballet	3
		Subtotal: 9

Select 6 credits:

THTR 102	GN: Acting	3
THTR 127	GN: Movement For The Actor	3
		Subtotal: 6

Select 3 credits:

DANC 111	GN: World Dance	3
DANC 143	GN: Elementary Jazz Dance	2
DANC 320	Dance for Musical Theatre	3

Subtotal: 3

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.

Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Artistic Expression (A).

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.

Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Artistic Expression (A).

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.

Distribution: GN: Group A - Fine Arts (AFA) | Artistic Expression (A).

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.

Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Artistic Expression (A).

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.

Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Artistic Expression (A).

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 enchainements. 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.

Distribution: Advanced. Prerequisite: DANC114 AND DANC115 AND DANC215 AND DANC216 AND DANC314 AND DANC316 AND DANC210 OR DANC310.

Digital Media Technologies

College of Business and Management

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 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
- Computer Graphics and Web design

Career Settings

- Television and audio studios
- Graphic 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 and social media
- Web design and web media publishing
- Photography

Why Digital Media Technologies at ESU?

- Student created media productions
- Small class size
- 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:

DMET 105	Introduction to Digital Photography	3
DMET 110	Introduction to Motion Media	3
DMET 140	Media Theories and Practices	3
DMET 155	Introduction to Web Design	3
DMET 160	Introduction to Multimedia	3
DMET 210	Television: Studio Production	3
DMET 230	Sound Recording	3
DMET 255	Digital Publishing for Graphics & Web	3
DMET 440	Law and Ethics In Media	3
DMET 495	Seminar in Digital Media Technologies	3

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:

CMST 111	GN: Introduction to Communication	3
OR		
CMST 253	GN: Public Speaking	3
PSY 100	GN: General Psychology	3
OR		
PSY 101	GN: Introduction to Psychology	3
SOC 111	GN: Introduction to Sociology	3

(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
DMET 350	Media Graphics and Designs	3
DMET 405	Commercial Photography	3
DMET 410	Advanced Digital Production	3
DMET 464	Digital Media and Technology Projects	Semester hours arranged

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

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
	Advanced Writing Course	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

Total Credit Hours: 120

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	Introduction to Multimedia	3
DMET 205	Photography: Wildlife and Nature	3
DMET 305	Intermediate Digital Photo	3
DMET 405	Commercial Photography	3

Minor in Digital Media Technologies in Graphics & Web

PROGRAM FEATURES

21 Credits

Required courses:

DMET 140	Media Theories and Practices	3
DMET 155	Introduction to Web Design	3
DMET 160	Introduction to Multimedia	3
DMET 255	Digital Publishing for Graphics & Web	3
DMET 350	Media Graphics and Designs	3
DMET 355	Advanced Web Design	3
DMET 375	Imaging Technology	3

Minor in Digital Media Technologies in Interactive & Social Media

PROGRAM FEATURES

21 Credits

Required courses:

DMET 140	Media Theories and Practices	3
DMET 160	Introduction to Multimedia	3
DMET 318	New Media Technologies	3
DMET 355	Advanced Web Design	3
DMET 375	Imaging Technology	3
DMET 477	Interactive Media and Social Media	3
DMET 478	Introduction to Interactive 3D	3

Minor in Digital Media Technologies in Video & Television

PROGRAM FEATURES

21 Credits

Required courses:

DMET 105	Introduction to Digital Photography	3
DMET 110	Introduction to Motion Media	3
DMET 140	Media Theories and Practices	3
DMET 210	Television: Studio Production	3
DMET 230	Sound Recording	3
DMET 310	TV: Studio Production II	3
DMET 315	Electronic Field Production	3

Digital Media Technologies Faculty

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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 prerequisites 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 (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: DMET262.

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.

Distribution: Advanced. 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: DMET105 AND DMET110.

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: DMET140.

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: DMET255.

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 workflows. 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: DMET155 AND DMET255.

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: DMET160 AND DMET255.

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 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 (I). 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. 349) (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):

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. Obtainment 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
	FIT Elective	1
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 elective	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

ECED 263: (PEARSON Pre-Service Academic Performance Assessment (PAPA) Passing Scores Required)

Spring

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 elective	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.)

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 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

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 323	Integrating the Curriculum: Projects and Play	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 486	Internship in Early Childhood	6
SPED 105	Special Education History and Law	3
SPED 214	Positive Behavior Support	3

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

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 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)

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
PSY 105	GN: Infant and Early Childhood Developmental Psychology	3
SOC 102	GN: Introduction to Cultural Diversity	3
ENGL ____	English Literature Course	3

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:

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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 focuses 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 and 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):

BIOL 114	GN: Introductory Biology I	4
BIOL 474	Introduction to Oceanography	3
CHEM 121	GN: General Chemistry I	3
CHEM 123	GN: General Chemistry I Lab	1
GEOG 121	GN: Physical Geology	3
GEOG 220	GE: Meteorology	3
OR		
PHYS 126	GN: Introduction to Weather Forecasting	3
PHYS 121	GN: Astronomy: The Sky and Solar System	3
PHYS 122	GN: Astronomy: Stars and Galaxies	3
PHYS 124	Observational Astronomy Lab	1
PHYS 131	GN: Fundamental Physics I	4
OR		
PHYS 161	GN: Physics I	4
PHYS 132	GE: Fundamental Physics II	4
OR		
PHYS 162	GE: Physics II	4
PHYS 304	Modern Physical Astronomy	3
PHYS 305	Physics of the Atmosphere	3
PHYS 495	Senior Capstone	3
GEOG 321	GE: Geomorphology	3

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.

BIOL 104	GN: Human Ecology	3
BIOL 200	General Ecology	3
BIOL 210	GE:Environmental Biology	3
BIOL 322	Plant Responses to Environmental Stress	4
BIOL 428	Biogeography	3
BIOL 440	General Aquatic Ecology	3
BIOL 441	Ecology of Water Pollution	3
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 122	GN: Astronomy: Stars and Galaxies	3
CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
MATH 135	GN: Pre-Calculus	3
GenEd ___	General Education Elective (Group A)	3
GenEd ___	General Education Elective (Group C)	3
		Subtotal: 15

Sophomore Year

Fall

MATH 140	GN: Calculus I	4
BIOL 114	GN: Introductory Biology I	4
PHYS 124	Observational Astronomy Lab	1
GenEd ___	General Education Elective (Group A)	3
HPLW 105	Health Promotion and Lifetime Wellness	3
		Subtotal: 15

Spring

PHYS 131	GN: Fundamental Physics I	4
GEOG 220	GE: Meteorology	3
OR		
PHYS 126	GN: Introduction to Weather Forecasting	3
GenEd ___	General Education Elective (Group A)	3
GenEd ___	General Education Elective (Group C)	3
XXXX ___	Elective	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
		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

Spring

PHYS 495	Senior Capstone	3
PHYS 305	Physics of the Atmosphere	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Total Credit Hours: 120

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

96 credits

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
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 102	Diversity of the Learner	3
SPED 350	Assessment of Student Learning and Behavior in Diverse Communities	3
PHYS 499	Student Teaching Internship	1

Subtotal: 37

Co-requisite core courses: (required of all tracks)

MATH 140	GN: Calculus I	4
CPSC ___	CPSC Elective	3

Subtotal: 7

Two additional credits in MATH:

MATH XXX	Two additional credits in MATH	2

Subtotal: 2

Recommended Course:

CMST 111	GN: Introduction to Communication	3

Please refer to the section **The College of Education** *in this catalog for specific requirements for admission into teacher education programs.*

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.

Required core courses (required of all tracks):

BIOL 114	GN: Introductory Biology I	4
BIOL 474	Introduction to Oceanography	3
CHEM 121	GN: General Chemistry I	3
CHEM 123	GN: General Chemistry I Lab	1
GEOG 121	GN: Physical Geology	3
GEOG 220	GE: Meteorology	3
OR		
PHYS 126	GN: Introduction to Weather Forecasting	3
PHYS 121	GN: Astronomy: The Sky and Solar System	3
PHYS 122	GN: Astronomy: Stars and Galaxies	3
PHYS 124	Observational Astronomy Lab	1
PHYS 131	GN: Fundamental Physics I	4
OR		
PHYS 161	GN: Physics I	4
PHYS 132	GE: Fundamental Physics II	4
OR		
PHYS 162	GE: Physics II	4
PHYS 304	Modern Physical Astronomy	3
PHYS 305	Physics of the Atmosphere	3
PHYS 495	Senior Capstone	3
GEOG 321	GE: Geomorphology	3

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.

BIOL 104	GN: Human Ecology	3
BIOL 200	General Ecology	3
BIOL 210	GE:Environmental Biology	3
BIOL 322	Plant Responses to Environmental Stress	4
BIOL 428	Biogeography	3
BIOL 440	General Aquatic Ecology	3
BIOL 441	Ecology of Water Pollution	3
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

4 YEAR CURRICULUM PROGRAM PLAN (SECONDARY EDUCATION)

(Subject to change by the university without notice)

Freshman Year

Fall

CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
GEOG 121	GN: Physical Geology	3
PHYS 121	GN: Astronomy: The Sky and Solar System	3
FYE 100	University Studies	3
ENGL 103	English Composition	3
PHYS 124	Observational Astronomy Lab	1

Subtotal: 16

Group A General Education Elective: CMST 111 is recommended.

Spring

GenEd ___	General Education Elective (Group A)	3
PHYS 122	GN: Astronomy: Stars and Galaxies	3
MATH 135	GN: Pre-Calculus	3
SPED 102	Diversity of the Learner	3
PSED 161	Foundations of Education	3

Subtotal: 15

Sophomore Year

Fall

MATH 140	GN: Calculus I	4
BIOL 114	GN: Introductory Biology I	4
PSED 250	The Psychology of Learners In Diverse Communities	3
ENGL ___	General Education Elective - Group A (2nd English)	3
HPLW 105	Health Promotion and Lifetime Wellness	3

Subtotal: 17

Spring

PHYS 131	GN: Fundamental Physics I	4
GEOG 220	GE: Meteorology	3
OR		
PHYS 126	GN: Introduction to Weather Forecasting	3
SPED 350	Assessment of Student Learning and Behavior in Diverse Communities	3
GenEd ___	General Education Elective (Group A)	3
GenEd ___	General Education Elective (Group C)	3

Subtotal: 16

Junior Year

Fall

REED 350	Teaching Reading to Communities of Diverse Learners	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
GenEd ___	General Education (Group C)	3

Subtotal: 17

Spring

PSED 420	Seminar in Secondary Education I: Instructional Structures and Strategies	3
BIOL 474	Introduction to Oceanography	3
EnvirSci ___	Environmental Science Elective	3
GenEd ___	General Education Elective (Group A)	3
PHYS 305	Physics of the Atmosphere	3
PHYS 495	Senior Capstone	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
PHYS 304	Modern Physical Astronomy	3
GenEd ___	General Education Elective (Group C)	3
XXXX ___	Earth and Space Science Elective	3

Subtotal: 15

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

Total Credit Hours: 127

For more information, contact Program Coordinator, Robert Cohen at 570-422-3428 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
570-422-3286
www.esu.edu/econ

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:

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 336	Money & Capital Markets	3
ECON 495	Senior Seminar	3
MGT 301	Financial Management I	3

plus FIVE ELECTIVES from the following:

ECON 314	International Finance	3
ECON 332	Forecasting Methods	3
ECON 411	Public Finance	3
ECON 412	Money And Banking	3
MGT 307	Financial Management II	3
MGT 315	Entrepreneurial Finance	3
MGT 319	International Financial Management	3
MGT 340	Investment Management	3

Co-requisites:

MGT 200	Principles of Management	3
MGT 204	Principles of Marketing	3
MGT 211	Financial Accounting Fundamentals	3
MGT 250	Quantitative Business Analysis	3
MATH 110	GN: General Statistics	3

plus ONE MATH from the following:

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

Required Courses for General Economics Concentration:

Core 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
MGT 301	Financial Management I	3

plus FIVE ECON ELECTIVES 300 or higher

Co-requisites:

MGT 211	Financial Accounting Fundamentals	3
MGT 212	Managerial and Cost Accounting Fundamentals	3
MATH 110	GN: General Statistics	3

plus ONE MATH from the following:

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

Required Courses for Global Economics Concentrations:

Core 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 313	GE: International Trade	3
ECON 321	GE: History of Economic Thought	3
ECON 495	Senior Seminar	3
MGT 301	Financial Management I	3

plus FOUR ELECTIVES from the following:

ECON 314	International Finance	3
ECON 315	International Law in Global Economic Relations	3
MGT 319	International Financial Management	3
ECON 432	Economic Growth and Development	3
ECON 442	Comparative Economic Systems	3
MGT 362	Globalization & International Management	3

Co-requisites:

MGT 211	Financial Accounting Fundamentals	3
MGT 212	Managerial and Cost Accounting Fundamentals	3
MATH 110	GN: General Statistics	3

plus ONE MATH from the following:

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

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

(Subject to change by the university without notice)

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
ECON 321	GE: History of Economic Thought	3
MGT 211	Financial Accounting Fundamentals	3
MATH 130	GN: Applied Algebraic Methods	3
OR		
MATH 131	GE: Applied Calculus	3
OR		
MATH 135	GN: Pre-Calculus	3
GN:____	General Education Elective - Arts & Letters	3

Subtotal: 15

Spring

ECON 312	GE: Intermediate Microeconomics	3
MGT 301	Financial Management I	3
GN:____	General Education Elective - Natural Science	3
GN:____	General Education Elective - Arts & Letters	3
GN:____	General Education Elective - Social Science	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
ECON ___	Economics Elective	3
XXXX ___	Elective	3

Subtotal: 15

Spring

ECON ___	Economics Elective	3
GN:____	General Education Elective - Social Science	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3

		Subtotal: 15
Senior Year		
Fall		
ECON ___	Economics Elective	3
ECON ___	Economics Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15
Spring		
ECON 495	Senior Seminar	3
ECON ___	Economics Elective	3
XXXX ___	Elective	3
XXXX ___	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
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

Distribution: GE: Social Sciences-Economics|GN: Group C - Economics (CEC)|Global Diversity & Citizenship (G).

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

Distribution: GE: Social Sciences-Economics|GN: Group C - Economics (CEC)|Global Diversity & Citizenship (G).

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

Distribution: GE: Social Sciences-Economics|GN: Group C - Economics (CEC)|Global Diversity & Citizenship G).

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 examines the development of international trade and finance; it includes a survey of classical, neoclassical, and modern theories and analyzes balance-of-payments techniques and principles. It includes critical evaluation of the arguments for protection, the economic effects of tariffs and quotas, U.S. trade policy, international financial institutions, and international liquidity.

Distribution: GE: Social Sciences-Economics; 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 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)
Time series, multiple regression, qualitative, Box-Jenkins, and other techniques are explained and applied in the forecasting of industrial production, sales, and financial variables. Emphasis is placed on the construction, utilization, and evaluation of computer generated forecasting models.

Distribution: Advanced | Information Literacy & Technology (I). Prerequisite: ECON112 AND MATH110.

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. Prerequisite: ECON111.

ECON 411 - Public Finance (3 credits)
This is one of the two major macro-policy oriented courses for economics majors designed to familiarize students with government budgets; i.e. the course examines the structure of expenditures and revenue, fiscal incidence, project analysis, and the problems encountered in the performance of fiscal stabilization techniques to attain given policy targets.

Distribution: Advanced. Prerequisite: ECON111 AND ECON112 AND ECON311.

ECON 412 - Money And Banking (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 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 economical 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)
Critical evaluation of the historical and theoretical 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. 164) (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: PSED 150 and PSED 244. Corequisite: SPED 351; REED 350 OR REED/SPED 315 (dual).

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 strategies, which lend to its development. Students will work on individualized projects, which will help them meet their goals. Although emphasis is placed on elementary education, some topics will apply on a K-12 basis.

Distribution: Advanced. Prerequisite: ELED132 AND ELED242.

ELED 424 - Teaching ELLs in the Diverse Classroom Setting (3 credits)
This course provides understandings 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).

Distribution: Advanced. Prerequisite: ECED232 AND ECED263 AND PSED150 AND PSED250 AND PSED516 AND PSED510.

ELED 426 - Professional Practicum (2 credits)
This course provides understandings 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).

Distribution: Advanced.

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 pedagogical techniques, tools, resources and activities that can enable Pre K-12 ESL students to improve their proficiency in reading, writing, listening, and speaking. Participants learn to plan methods and materials for the ESL classroom creating various activities and assessments and incorporating technology when appropriate. Communication about the purpose of ESL education to colleagues, parents and community is also covered. This class requires a field experience working with students acquiring English as their second language.

Distribution: Advanced. Prerequisite: ELED132 AND ELED264.

ELED 430 - Student Teaching in Elementary Education (6 credits)
This course includes a semester of guided teaching in elementary schools and an accompanying on-campus seminar. This field experience is designed to provide the student teacher with the opportunity to develop further competencies and an understanding of the teaching-learning process necessary for effective teaching in the elementary schools.

Distribution: Advanced.

ELED 431 - Student Teaching in Middle Level Education (6 credits)
This semester includes a quarter of guided teaching in a middle level setting, self-contained 4th, 5th or 6th grade classroom, and an accompanying on-campus seminar. This clinical field experience is designed to provide the student with the opportunity to develop further competencies and an understanding of the teaching-learning process necessary for effective teaching in the self-contained middle level setting.

Distribution: Advanced.

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.

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: ELED470; SPED351; REED 350 (middle level only) - REED/SPED313 (dual only).

ELED 470 - Middle Level Math Methods (3 credits)
This course is designed to help students learn how to effectively teach in middle level (4th-6th grade) math 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: PSED150 AND PSED244. Corequisite: ELED460; SPED351; REED350 (middle level only) - REED/SPED313 (dual only).

ELED 485 - 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.

Engineering Transfer Program

College of Arts and Sciences

The Faculty of Science

Gessner Science Hall, Room 107
570-422-3341
www.esu.edu/physics
See Physics section (p. 293)

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.

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

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):

At least three of these course must be at the 300-400 level.

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
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. (p. 43)

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. (p. 43)

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
GenEd ___	General Education - 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 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		
GN:____	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 (Modern Language)	3
GN:____	General Education Elective - Natural Science	3
GN:____	General Education Elective - Social Science	3
		Subtotal: 15

Spring

ENGL 261	GN: British Literature II	3
ENGL ___	Global Literature Requirement	3
GN:____	General Education Elective - Arts & Letters (Modern Language)	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
XXXX ___	Elective	3
		Subtotal: 15

Spring

ENGL 332	Linguistics	3
OR		
ENGL 334	History of the English Language	3
ENGL 393	Major Writers	3
ENGL 3XX	Literary Movement elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Senior Year

Fall

ENGL XXX	English Elective	3
ENGL XXX	English Elective	3
ENGL XXX	English Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

ENGL 3XX	Literary Movement elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Total Credit Hours: 120

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
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. (p. 43)

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

Spring

ENGL 3XX	Writing Course	3
ENGL 3XX	Writing Course	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Senior Year

Fall

ENGL XXX	English Elective	3
ENGL 3XX	Writing Course	3
ENGL 3XX	Literature Course	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

ENGL 486	Internship in Written Expression	1 - 12
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Total Credit Hours: 120

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):

ENGL 163	GN: The Study of Literature	3
ENGL 203	GN: Advanced Composition	3
ENGL 260	GN: British Literature I	3
ENGL 264	GN: American Literature I	3

ENGL 163 may 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

two 300-400 level literature courses (6 credits)

Subtotal: o

five of the following (15 credits):

(three of which must be 300-400 level)

ENGL 204	Technical Writing	3
ENGL 205	Workplace Writing	3
ENGL 215	News Reporting and Writing	3
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
ENGL 231	English Grammar	3
ENGL 302	Creative Writing-Fiction	3
ENGL 303	Creative Writing-Poetry	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 332	Linguistics	3
ENGL 334	History of the English Language	3
ENGL 340	Studies in Writing Tutoring Practices	3
ENGL 415	Computers And Writing	3
ENGL 437	Freelance Writing	3
ENGL 486	Internship in Written Expression	1 - 12

and one of the following (3 credits):

ENGL 360	Themes in World Literature	3
ENGL 388	Contemporary Literature	3
ENGL 389	Postcolonial Literature	3
ENGL 395	The Graphic Novel	3

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. (p. 43)

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 - Arts & Letters (Modern Language)	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 (Modern Language)	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

Spring

ENGL 486	Internship in Written Expression	1 - 12
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	1
		Subtotal: 15

Total Credit Hours: 120

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 of 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	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 393	Major Writers	3
ENGL 395	The Graphic Novel	3
ENGL 467	Literature And Film	3

Co-requisite courses:

PSED 161	Foundations of Education	3
PSED 250	The Psychology of Learners In Diverse Communities	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 350	Assessment of Student Learning and Behavior in Diverse Communities	3
CMST 111	GN: Introduction to Communication	3
OR		
CMST 253	GN: Public Speaking	3

One of the following:

THTR 100	GN: Introduction to Theatre	3
THTR 101	GN: Play Production	3
THTR 102	GN: Acting	3

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	3

ENGL 163	GN: The Study of Literature	3
PSED 161	Foundations of Education	3
FYE 100	University Studies	3
GN: ___	General Education Elective - Natural Science (Math)	3
		Subtotal: 15

Spring

ENGL 264	GN: American Literature I	3
CMST 111	GN: Introduction to Communication	3
HPLW 105	Health Promotion and Lifetime Wellness	3
SPED 102	Diversity of the Learner	3
THTR 100	GN: Introduction to Theatre	3
		Subtotal: 15

Sophomore Year

Fall

ENGL 231	English Grammar	3
PSED 250	The Psychology of Learners In Diverse Communities	3
GN: ___	General Education Elective - Arts & Letters (American or English Literature I)	3
GN:____	General Education Elective - Natural Science	3
GN:____	General Education Elective - Social Science	3
		Subtotal: 15

Spring

PSED 250	The Psychology of Learners In Diverse Communities	3
ENGL 332	Linguistics	3
ENGL 261	GN: British Literature II	3
OR		
ENGL 265	GN: American Literature II	3
ENGL 208	Writing About Young Adult Literature	3
GN:____	General Education Elective - Social Science	3
		Subtotal: 15

ENGL 332: (or ENGL 334 History of English Language in Fall)

Junior Year

Fall

REED 350	Teaching Reading to Communities of Diverse Learners	3
ENGL 390	Shakespeare	3
GN:____	General Education Elective - Natural Science	3
GN:____	General Education Elective - Social Science	3

One of the following:

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	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
ENGL 395	The Graphic Novel	3
		Subtotal: 15

Spring

ENGL 360	Themes in World Literature	3
ENGL 412	Teaching of Writing in the Secondary and Middle Schools	3
PSED 420	Seminar in Secondary Education I: Instructional Structures and Strategies	3
GN: ___	General Education Elective - Arts and Letters (Modern Lang/Philosophy)	3
GN:____	General Education Elective - Social Science	3
		Subtotal: 15

Senior Year

Fall

PSED 406	Teaching of English in the Secondary Schools	3
PSED 421	Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom	3
ENGL 466	Teaching Multicultural Literature	3
GN:____	General Education Elective - Natural Science	3

One of the following:

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	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
		Subtotal: 15

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
ENGL 499	Student Teaching Internship	1
		Subtotal: 13

Total Credit Hours: 121

English B.S. - 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 412	Teaching of 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

Four of the following:

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 391	Geoffrey Chaucer	3
ENGL 393	Major Writers	3
ENGL 395	The Graphic Novel	3

One of the four must be from the following list of global literature courses:

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

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
SPED 351	Collaboration for Inclusion	3

One of the following:

CMST 111	GN: Introduction to Communication	3
CMST 253	GN: Public Speaking	3

One of the following:

THTR 100	GN: Introduction to Theatre	3
THTR 101	GN: Play Production	3
THTR 102	GN: Acting	3

Additional Requirements:

- At least two MATH courses.
- A minimum QPA of 3.0 overall; a minimum QPA of 2.8 in the major.
- Grades of A, B, or C must be earned in all of the required English courses.
- ENGL 104, a special section of Composition. Those who do not take ENGL 104 must take CMST 126.
- A minimum of 18 credits in English (beyond Composition) must be earned at ESU. A minimum of 9 credits in English coursework at the 300-400 level must be earned at ESU.

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

ENGL 104	English Composition for Secondary English and Middle Level Education Majors	3
PSED 161	Foundations of Education	3
ENGL 163	GN: The Study of Literature	3
FYE 100	University Studies	3
GN: ___	General Education Elective - Natural Science (Math)	3

Subtotal: 15

Spring

CMST 111	GN: Introduction to Communication	3
GN: ___	General Education Elective - Natural Science (Math)	3
GN:____	General Education Elective - Natural Science	3
THTR 100	GN: Introduction to Theatre	3
SPED 102	Diversity of the Learner	3
SPED 105	Special Education History and Law	3

Subtotal: 18

Sophomore Year

Fall

ENGL 231	English Grammar	3
GN: ___	General Education Elective - Arts & Letters (American or English Literature I)	3
GN:____	General Education Elective - Social Science	3
GN:____	General Education Elective - Natural Science	3
SPED 201	Assessment and Evaluation in Special Education	3

Subtotal: 15

Spring

PSED 250	The Psychology of Learners In Diverse Communities	3
ENGL 332	Linguistics	3
ENGL 261	GN: British Literature II	3
OR		
ENGL 265	GN: American Literature II	3
ENGL 208	Writing About Young Adult Literature	3
GN:____	General Education Elective - Social Science	3
SPED 214	Positive Behavior Support	3

Subtotal: 18

ENGL 332: (or ENGL 334 History of English Language in Fall)

Junior Year

Fall

REED 350	Teaching Reading to Communities of Diverse Learners	3
ENGL 390	Shakespeare	3
GN: ___	General Education Elective - Natural Science (Math)	3
GN:____	General Education Elective - Social Science	3

SPED 215	Instructional Planning in Special Education	3

One of the following:

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	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: 18

Spring

ENGL 360	Themes in World Literature	3
ENGL 412	Teaching of Writing in the Secondary and Middle Schools	3
PSED 420	Seminar in Secondary Education I: Instructional Structures and Strategies	3
GN: ___	General Education Elective - Arts and Letters (Modern Lang/Philosophy)	3
GN:____	General Education Elective - Social Science	3
SPED 313	Curriculum and Instruction for Students with High Incidence Disabilities	3

Subtotal: 18

Senior Year

Fall

PSED 406	Teaching of English in the Secondary Schools	3
PSED 421	Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom	3
ENGL 466	Teaching Multicultural Literature	3
SPED 314	Curriculum and Instruction for Students with Low Incidence Disabilities	3

One of the following:

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	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
PSED 431	Student Teaching in Secondary Education/ Senior High School	6
ENGL 499	Student Teaching Internship	1
SPED 351	Collaboration for Inclusion	3

Subtotal: 16

Total Credit Hours: 136

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

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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 - English|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 & 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: ENGL103 OR ENGL104.

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: World Literature I (3 credits)
This survey course introduces students to literature and literary traditions of selected countries and cultures from ancient and classical periods through the Renaissance.

Distribution: GE: Humanities - English|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 273 - GN: World Literature II (3 credits)
The readings in this survey course cover literature and literary traditions of selected countries and cultures from the Renaissance through to the present. Students can select this course without taking World Literature I.

Distribution: GE: Humanities - English|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 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: C|W2. 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 103, and any one of 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 309 - 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) | Advanced. Prerequisite: ENGL 103/ ENGL 104, CMST 111, CMST 126, ENGL 203, ENGL 204, ENGL 205, OR ENGL 215.

ENGL 315 - Multimedia Journalism (3 credits)
This intensive skills course will introduce professional writing majors and qualified undergraduates to the practices of newswriting, editing, and reporting for today's converged media landscape. Fundamental to the instruction will be learning to manage effective multimedia news coverage and gaining practice in writing, assigning, and adapting stories for different media types.

Distribution: Advanced (ADVD) | Level III Writing (W3). Prerequisite: ENGL 103 or ENGL 104; and any one of ENGL 215, CMST 229, or any applied journalism class.

ENGL 316 - Professional Writing: Magazine Journalism (3 credits)
This advanced course focuses on all aspects of magazine journalism. Students will analyze a variety of current consumer and trade magazines. They will research and write articles suitable for broad-based and special-interest publications and discuss layout and editing techniques.

Distribution: Advanced (ADVD) | Level III Writing (W3). Prerequisite: ENGL 103 or ENGL 104; and ENGL 215.

ENGL 317 - Reviewing The Arts (3 credits)
The course stresses journalistic coverage of all the major art forms: literature, drama, film, plastic arts, music, dance, and television. Students will learn to write intelligent, informative reviews for the popular media; they will also do one or two feature articles or interviews about individual artists or current artistic trends.

Distribution: Advanced (ADVD) | Level III Writing (W3). Prerequisite: ENGL 103 or ENGL 104; and ENGL 215.

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 332 - Linguistics (3 credits)
This course 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 334 - History of the English Language (3 credits)
English 334 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; and any other English Department course (ENGL 231 recommended).

ENGL 340 - Studies in Writing Tutoring Practices (3 credits)
This course will provide students with academic coursework in tutoring pedagogy and composition theory, as well as hands-on experience working with other student writers in individual and small group tutoring. Students will attend workshops, complete weekly assignments, participate in observations, and compose a semester project that demonstrates their knowledge of peer tutoring in writing. Enrollment requires successful interview with the instructor.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department writing course.

ENGL 356 - American Poetry (3 credits)
This course is a study of important individual poets and poetic movements in the history of American poetry. Selections range from Puritan to contemporary poetry.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 357 - American Novel (3 credits)
This course is a study of representative examples of the American novel and its themes and forms from the early nineteenth century to the present.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 358 - The British Novel (3 credits)
The British Novel is a survey of the development of the novel in Britain. It focuses on the "great tradition" of British novelists and also includes novels by other masters of the form.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 360 - Themes in World Literature (3 credits)
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; and any other English Department literature course.

ENGL 374 - Literary Criticism and Theory (3 credits)
This course is a survey of the various approaches to the discussion of literature from Classical times to the present.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department Literature course.

ENGL 377 - 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.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 378 - Old and Middle English Literature (3 credits)
This course gives students a detailed introduction to the major authors and works of early England, from the Anglo-Saxon period through the end of the Middle Ages.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 379 - British Literature of the Renaissance (3 credits)
This course offers intensive study of British Renaissance literature, focusing largely on major authors and works of the 16th century. It also examines historical and cultural contexts of these works.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 380 - Seventeenth-Century British Literature (3 credits)
This course explores the major authors and works of 17th-century England. Focusing on poetry, essays, and drama, it also examines historical and cultural contexts of these works.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 381 - Eighteenth-Century British Literature (3 credits)
This course explores the various literary genres of the 18th century, often referred to as the Age of Reason or the Enlightenment. Students will consider the political, social, economic, and cultural context in which these works were written.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 382 - British Romanticism (3 credits)
This course focuses on British literature of the late eighteenth and early nineteenth centuries, one of the most revolutionary literary and cultural movements.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 383 - Victorian Literature (3 credits)
This course covers the literature of Great Britain in the Victorian era (1830-1901). It focuses on literary responses to industrialization and urbanization; the rising middle class; notions of empire; the "woman question"; social reform movements; religious doubts and affirmations; and other cultural phenomena.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 384 - Modern British Literature (3 credits)
This course explores British literature produced in the first third of the twentieth century, the period during which Modernism developed.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 385 - American Romanticism (3 credits)
This course focuses on the great works of the mid-nineteenth century, the high point of American Romanticism. Students will explore the literature and its contexts, as well as literary interpretation and criticism.

Distribution: Advanced. Prerequisite: ENGL 103 or ENGL 104; and any other English Department literature course.

ENGL 386 - American Realism (3 credits)
This course focuses on works of the American Realism movement, which flourished from the mid-nineteenth century into the early twentieth century. Students will explore examples of the literature and its contexts, as well as literary interpretation and criticism.

Distribution: Advanced.

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: ENGL162.

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: ENGL162 OR ENGL163.

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 Track 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:

EXSC 100	Introduction to Exercise Science	3
EXSC 202	Kinesiology - Applied Anatomy	3
EXSC 203	Kinesiology - Mechanical Analysis	3
EXSC 310	Exercise Physiology I	3
EXSC 311	Exercise Physiology II	3
EXSC 322	Strength and Conditioning Theory	3
EXSC 330	Health-Related Fitness Assessment and Exercise Programming	3
EXSC 402	Psychology of Sport and Exercise	3
EXSC 410	Organization and Administration of Exercise and Wellness Programs	3
EXSC 431	Analysis of Performance Skills	3
EXSC 441	Environmental Exercise Physiology	3
EXSC 445	Seminar in Adult Fitness Programs	3
EXSC 447	Sports Nutrition	3
EXSC 451	Aerobic Fitness Workshop	2
OR		
EXSC 454	Anaerobic Training Workshop	2
EXSC 452	Exercises and Weight Control Workshop	2
OR		

EXSC 453	Reducing Coronary Heart Disease Workshop	2
EXSC 455	Certified Exercise Physiologist (CEP) Workshop	1
OR		
EXSC 456	Certified Strength and Conditioning Specialist Workshop	1
EXSC 461	Experimental Exercise Physiology	3
EXSC 462	Seminar in Exercise Physiology	3
EXSC 485	IS: Independent Study	3
OR		
EXSC 486	Field Experience and Internships	1 - 6
EXSC 120	Physical Conditioning	1
OR		
EXSC 122	Strength Training	1

Required Co-requisite Courses:

ATEP 230	Prevention and Management of Sport and Fitness 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
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 111	GN: Chemical Basis of Matter	3
MATH 110	GN: General Statistics	3

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. (p. 43)

4 YEAR CURRICULUM PROGRAM PLAN- TRADITIONAL 4-YEAR PROGRAM

(Subject to change by the university without notice)

Freshman Year

Fall

EXSC 100	Introduction to Exercise Science	3
EXSC 120	Physical Conditioning	1
EXSC 202	Kinesiology - Applied Anatomy	3
ENGL 103	English Composition	3
FYE 100	University Studies	3
		Subtotal: 13

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
HPLW 105	Health Promotion and Lifetime Wellness	3
GenEd ____	General Education elective	3
		Subtotal: 16

Sophomore Year

Fall

EXSC 122	Strength Training	1
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
GenEd ____	General Education elective	3
GenEd ____	General Education elective	3
GenEd ____	General Education elective	3
		Subtotal: 17

Spring

EXSC 311	Exercise Physiology II	3
EXSC 322	Strength and Conditioning Theory	3
ATEP 230	Prevention and Management of Sport and Fitness Injuries	3
MATH 110	GN: General Statistics	3
CHEM 115	GN: Chemistry, Molecules and Life	3
		Subtotal: 15

Junior Year

Fall

EXSC 330	Health-Related Fitness Assessment and Exercise Programming	3
EXSC 451	Aerobic Fitness Workshop	2
EXSC 453	Reducing Coronary Heart Disease Workshop	2
GenEd ____	General Education elective	3
GenEd ____	General Education elective	3
		Subtotal: 13

Spring

EXSC 447	Sports Nutrition	3
EXSC 441	Environmental Exercise Physiology	3
EXSC 452	Exercises and Weight Control Workshop	2
EXSC 454	Anaerobic Training Workshop	2
XXXX ___	Elective	3
GenEd ____	General Education elective	3
		Subtotal: 16

Senior Year

Fall

EXSC 402	Psychology of Sport and Exercise	3
EXSC 431	Analysis of Performance Skills	3
EXSC 461	Experimental Exercise Physiology	3
EXSC 445	Seminar in Adult Fitness Programs	3
GenEd ____	General Education elective	3
		Subtotal: 15

Spring

EXSC 410	Organization and Administration of Exercise and Wellness Programs	3
EXSC 462	Seminar in Exercise Physiology	3
EXSC 455	Certified Exercise Physiologist (CEP) Workshop	1
OR		
EXSC 456	Certified Strength and Conditioning Specialist Workshop	1
EXSC 485	IS: Independent Study	3
OR		
EXSC 486	Field Experience and Internships	1 - 6
XXXX ___	Elective	3
XXXX ___	Elective	2
		Subtotal: 15

Subtotal: 120

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
CHEM 111	GN: Chemical Basis of Matter	3
ATEP 230	Prevention and Management of Sport and Fitness Injuries	3
MATH 110	GN: General Statistics	3
OR		
GenEd ____	General Education Elective	3
EXSC 121	Aerobic Fitness Activities	1
		Subtotal: 17

Winter

XXXX ___	Elective	3
		Subtotal: 3

Spring

EXSC 230	Personal Training Workshop	1
EXSC 322	Strength and Conditioning Theory	3
MATH 110	GN: General Statistics	3
OR		

GenEd ____	General Education Elective	3
EXSC 447	Sports Nutrition	3
EXSC 330	Health-Related Fitness Assessment and Exercise Programming	3
		Subtotal: 13
Summer		
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
XXXX ___	Elective	3
		Subtotal: 9
Year 3		
Fall		
EXSC 402	Psychology of Sport and Exercise	3
EXSC 431	Analysis of Performance Skills	3
EXSC 461	Experimental Exercise Physiology	3
EXSC 445	Seminar in Adult Fitness Programs	3
EXSC 451	Aerobic Fitness Workshop	2
EXSC 453	Reducing Coronary Heart Disease Workshop	2
		Subtotal: 16
Winter		
EXSC 486	Field Experience and Internships	1 - 6
		Subtotal: 3
Spring		
EXSC 441	Environmental Exercise Physiology	3
EXSC 410	Organization and Administration of Exercise and Wellness Programs	3
EXSC 452	Exercises and Weight Control Workshop	2
EXSC 454	Anaerobic Training Workshop	2
EXSC 455	Certified Exercise Physiologist (CEP) Workshop	1
EXSC 462	Seminar in Exercise Physiology	3
XXXX ___	Elective	3
		Subtotal: 17

Total Credit Hours: 120

For more information, contact the department at 570-422-3302 or visit www.esu.edu/exsc.

Exercise Science B.S. - Concentration: Sport and Exercise Conditioning

Career Opportunities:

Upon successful completion, this concentration affords the student the opportunity to gain employment in the broad health and fitness field among the commercial or public sectors. Employment may take place in a commercial health and fitness facility, a non-profit facility (i.e., YMCA), or in a hospital-based program and/or facility.

PROGRAM FEATURES:

58 credits

Required Exercise Science courses:

EXSC 100	Introduction to Exercise Science	3
EXSC 120	Physical Conditioning	1
EXSC 122	Strength Training	1
EXSC 202	Kinesiology - Applied Anatomy	3
EXSC 203	Kinesiology - Mechanical Analysis	3
EXSC 230	Personal Training Workshop	1
EXSC 310	Exercise Physiology I	3
EXSC 311	Exercise Physiology II	3
EXSC 322	Strength and Conditioning Theory	3
EXSC 330	Health-Related Fitness Assessment and Exercise Programming	3
EXSC 342	Power Training for Sport Performance	1
EXSC 402	Psychology of Sport and Exercise	3
EXSC 410	Organization and Administration of Exercise and Wellness Programs	3
EXSC 431	Analysis of Performance Skills	3
EXSC 445	Seminar in Adult Fitness Programs	3
EXSC 447	Sports Nutrition	3
EXSC 451	Aerobic Fitness Workshop	2
EXSC 452	Exercises and Weight Control Workshop	2
EXSC 453	Reducing Coronary Heart Disease Workshop	2
EXSC 454	Anaerobic Training Workshop	2
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

Required Co-requisite courses:

ATEP 230	Prevention and Management of Sport and Fitness 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
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

Minimum standards:

- Minimum overall GPA = 2.50.
- "C" or above in all 400-level Exercise Science coursework.

Additional requirements:

- Please see the university requirements in the Undergraduate Catalog. (p. 43)

4 YEAR CURRICULUM PROGRAM PLAN- TRADITIONAL 4-YEAR PROGRAM

(Subject to change by the university without notice)

Freshman Year

Fall

EXSC 100	Introduction to Exercise Science	3
EXSC 120	Physical Conditioning	1
ENGL 103	English Composition	3
FYE 100	University Studies	3
HPLW 105	Health Promotion and Lifetime Wellness	3
		Subtotal: 13

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

Spring

EXSC 311	Exercise Physiology II	3
EXSC 322	Strength and Conditioning Theory	3
ATEP 230	Prevention and Management of Sport and Fitness Injuries	3
GenEd ____	General Education elective	3
GenEd ____	General Education elective	3
		Subtotal: 15

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: 16

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
XXXX ___	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
XXXX ___	Elective	3
XXXX ___	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
GenEd ____	General Education elective	3
XXXX ___	Elective	1
		Subtotal: 12

Subtotal: 120

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
EXSC 454	Anaerobic Training Workshop	2
GenEd ____	General Education Elective	3
		Subtotal: 15
Summer		
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
XXXX ___	Elective	3
		Subtotal: 9
Year 3		
Fall		
EXSC 402	Psychology of Sport and Exercise	3
EXSC 431	Analysis of Performance Skills	3
EXSC 445	Seminar in Adult Fitness Programs	3
EXSC 451	Aerobic Fitness Workshop	2
EXSC 453	Reducing Coronary Heart Disease Workshop	2
XXXX ___	Elective	3
		Subtotal: 16
Winter		
EXSC 486	Field Experience and Internships	1 - 6
		Subtotal: 3
Spring		
EXSC 456	Certified Strength and Conditioning Specialist Workshop	1
EXSC 410	Organization and Administration of Exercise and Wellness Programs	3
EXSC 452	Exercises and Weight Control Workshop	2
EXSC 455	Certified Exercise Physiologist (CEP) Workshop	1
GenEd ____	General Education Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 16

Subtotal: 119
For more information, contact the department at 570-422-3302 or visit www.esu.edu/exsc.

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

Required Exercise Science courses:

EXSC 202	Kinesiology - Applied Anatomy	3
EXSC 203	Kinesiology - Mechanical Analysis	3
EXSC 286	Early Internship	1 - 3

EXSC 310	Exercise Physiology I	3
EXSC 311	Exercise Physiology II	3
EXSC 322	Strength and Conditioning Theory	3
EXSC 330	Health-Related Fitness Assessment and Exercise Programming	3
EXSC 447	Sports Nutrition	3
EXSC 402	Psychology of Sport and Exercise	3
EXSC 486	Field Experience and Internships	1 - 6
EXSC 411	Motor Learning & Development	3
EXSC 430	Exercise Prescription for Populations with Special Needs	3
EXSC 470	Introduction to Research Methods in Health Sciences	3
EXSC 480	Seminar in Therapeutic Sciences	3
EXSC 452	Exercises and Weight Control Workshop	2
EXSC 453	Reducing Coronary Heart Disease Workshop	2

Directed General Education:

BIOL 114	GN: Introductory Biology I	4
CMST 111	GN: Introduction to Communication	3
ENGL 203	GN: Advanced Composition	3
CHEM 121	GN: General Chemistry I	3
PHYS 131	GN: Fundamental Physics I	4
PSY 100	GN: General Psychology	3
SOC 111	GN: Introduction to Sociology	3
OR		
SOC 102	GN: Introduction to Cultural Diversity	3

Required Co-requisite courses:

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 123	GN: General Chemistry I Lab	1
MATH 110	GN: General Statistics	3
ATEP 230	Prevention and Management of Sport and Fitness Injuries	3

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

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 120	Physical Conditioning	1
EXSC 202	Kinesiology - Applied Anatomy	3
PSY 100	GN: General Psychology	3
FYE 100	University Studies	3
		Subtotal: 14

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
EXSC 203	Kinesiology - Mechanical Analysis	3
CPSC 100	GN: Personal Computers and Their Uses	3
SOC 111	GN: Introduction to Sociology	3
ENGL 103	English Composition	3
		Subtotal: 16

Sophomore Year

Fall

EXSC 122	Strength Training	1
EXSC 310	Exercise Physiology I	3
CHEM 121	GN: General Chemistry I	3
CHEM 123	GN: General Chemistry I Lab	1
ENGL 203	GN: Advanced Composition	3
HPLW 105	Health Promotion and Lifetime Wellness	3
		Subtotal: 14

Spring

EXSC 311	Exercise Physiology II	3
EXSC 322	Strength and Conditioning Theory	3
ATEP 230	Prevention and Management of Sport and Fitness Injuries	3
MATH 110	GN: General Statistics	3
CMST 111	GN: Introduction to Communication	3
		Subtotal: 15

Junior Year

Fall

EXSC 286	Early Internship	1 - 3
EXSC 330	Health-Related Fitness Assessment and Exercise Programming	3
BIOL 114	GN: Introductory Biology I	4

PHYS 131	GN: Fundamental Physics I	4
GenEd ___	General Education Elective	3
		Subtotal: 17

Spring

EXSC 411	Motor Learning & Development	3
EXSC 447	Sports Nutrition	3
EXSC 470	Introduction to Research Methods in Health Sciences	3
GenEd ____	General Education elective	3
GenEd ____	General Education elective	3
		Subtotal: 15

Senior Year

Fall

EXSC 402	Psychology of Sport and Exercise	3
EXSC 430	Exercise Prescription for Populations with Special Needs	3
EXSC 453	Reducing Coronary Heart Disease Workshop	2
EXSC 480	Seminar in Therapeutic Sciences	3
GenEd ____	General Education elective	3
		Subtotal: 14

EXSC 300: (approved by adviser)

Spring

EXSC 445	Seminar in Adult Fitness Programs	3
EXSC 452	Exercises and Weight Control Workshop	2
EXSC 486	Field Experience and Internships	1 - 6
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

EXSC 300: (approved by adviser)

Total Credit Hours: 120

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

PROGRAM FEATURES

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)

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Associate Professors:

Shawn Munford (smunford@esu.edu)

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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 aquacizing 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 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 (ADVD). 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 (I) | 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.

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 - Reducing Coronary Heart Disease 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: EXSC310 AND EXSC322.

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. This 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: EXSC310 AND EXSC311.

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 - IS: 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: EXSC100.

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: EXSC311 AND EXSC320.

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 after sport activity. Students will also gain experience providing body composition and/or metabolic assessments on athletes.

Distribution: Advanced. Prerequisite: EXSC 447 and EXSC 452.

Finance

The Finance program (p. 112) is housed within the Department of Business Management. Please see the Business Management department for the B.S. in Finance requirements.

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 foxtrot, 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)
This course is designed to provide further instruction in the fundamentals of volleyball such as the underhand and overhand serve, underhand and overhand pass, attacks and block. An in-depth examination of offensive and defensive formations will be emphasized in an effort to structure and improve game play. Additionally, students will gain exposure to advanced skills such as digging and jump serving.

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 271 - 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 272 - 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.

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.

General 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

The Bachelor of Arts in General Science is designed for students who seek a broad background in all four areas of science (biology, chemistry, earth and space science, and physics). Students can choose between two concentrations.

- **General concentration:** The General concentration provides a broad background in science 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 seven additional courses in education. A graduate of this program will be eligible for Pennsylvania teacher certification in general science for grades 7-12 (dependent on grade point average and qualifying score on teacher examination). Typically, teachers with this certification teach grades 7-9 (either general science, life science, physical science or earth science).

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.

General Science B.A. - Concentration: General

PROGRAM FEATURES

64 Credits

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.	15

Subtotal: 15

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
OR		
PHYS 161	GN: Physics I	4
PHYS 132	GE: Fundamental Physics II	4
OR		
PHYS 162	GE: Physics II	4
PHYS 495	Senior Capstone	3
GEOG 120	GN: Physical Geography	3
OR		
GEOG 121	GN: Physical Geology	3
GEOG 220	GE: Meteorology	3

Subtotal: 39

Co-requisite courses

CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
MATH 110	GN: General Statistics	3
MATH 140	GN: Calculus I	4
OR		
MATH 131	GE: Applied Calculus	3

Subtotal: 9-10

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: Personal Computers 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

Spring

PHYS 495	Senior Capstone	3
PHYS ___	Physics Elective	3
XXXX ___	Upper-Level Science Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	1
		Subtotal: 13

Subtotal: 120

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
OR		
PHYS 161	GN: Physics I	4
PHYS 132	GE: Fundamental Physics II	4
OR		
PHYS 162	GE: Physics II	4
PHYS 495	Senior Capstone	3
GEOG 120	GN: Physical Geography	3
OR		
GEOG 121	GN: Physical Geology	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.	15
		Subtotal: 15

Co-requisite courses:

CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
MATH 110	GN: General Statistics	3
MATH 140	GN: Calculus I	4
OR		
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 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 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 (p. 55) 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
	Or	
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: Personal Computers 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: 16

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

Subtotal: 134

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
570-422-3285
www.esu.edu/geog

Geography Minor

PROGRAM FEATURES

18 credits

Required courses:

GEOG 120	GN: Physical Geography	3

and five courses from the following:

GEOG 110	GN: Cultural Geography	3
GEOG 121	GN: Physical Geology	3
GEOG 220	GE: Meteorology	3
GEOG 240	Introduction to Geospatial Technology	3
GEOG 320	GE: Climatology	3
GEOG 321	GE: Geomorphology	3
GEOG 341	Geographic Information Systems	3
GEOG 402	Applied Geographic Information Science (GIS)	3
GEOG 403	Advanced Geographic Information Science (GIS)	3
GEOG 411	Introduction to Remote Sensing	3
GEOG 422	Watershed Hydrology	3
GEOG 486	Field Experience & Internship	1 - 15
BIOL 484	Environmental Studies Field Experience and Internship	3 - 15
BIOM 460	Marine Ecology	3

additional requirements

Nine credits must be at the 300 level or above; fifteen credits must have the GEOG rubric.

Geographic Information Systems (GIS) Certificate

PROGRAM FEATURES

15 Credits

Required courses:

GEOG 120	GN: Physical Geography	3
GEOG 341	Geographic Information Systems	3
GEOG 402	Applied Geographic Information Science (GIS)	3
GEOG 403	Advanced Geographic Information Science (GIS)	3
GEOG 411	Introduction to Remote Sensing	3

Geography Faculty

Associate Professors:

Jeffrey Hardy (jhardy@esu.edu)

Shixiong Hu (shu@esu.edu)

GEOG - Geography Courses

GEOG 110 - GN: Cultural Geography (3 credits)
This course provides a worldwide cross-cultural study of the similar, yet widely diverse way human beings adapt to the physical environments of the earth's surface, and how we work together to reshape landscapes into man-made cultural environments. Examining the inter-relations between economic, political, social, and cultural forces it examines what geographers have learned about the lasting impact human activities can have on the landscape and biosphere.

Distribution: GE: Social Sciences-Geography |GN: Group C - Geography (CGE) | Global Diversity & Citizenship (G).

GEOG 120 - GN: Physical Geography (3 credits)
This course is a concentrated study of the physical aspects of the environment. Emphasis is placed on understanding the earth and its planetary relations, the fundamentals of weather, climate, soils, and landforms, and the principles of map projections and interpretations.

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 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 an introduction to 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, 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.

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.

Distribution: W.

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 Accreditor 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. 287). (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

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

Additional Requirements:

- Minimum overall GPA - 2.8
- C or above in all Major classes
- Passing scores on Praxis I and Praxis II
- Please see the university requirements in this catalog. (p. 43)

ADMISSION REQUIREMENTS

The Commonwealth of Pennsylvania has established new requirements for all candidates in teacher preparation programs. Please refer to the section The College of Education (p. 55) (p. 57) 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 to make sure they are meeting the appropriate program and certification requirements which will vary depending on a variety of circumstances.

The student must complete the following requirements for admission into the health education teacher certification program:

1. Initial Requirements - Pass 60 credits including: 1) BIOL 111, BIOL 112, HLTH 210, HLTH 220, HLTH 230, HLTH 240. 2) Complete 6 credits MATH and 6 credits ENGL. 3) Pass Praxis Level I: Reading, Writing, and Math. 4) Demonstrate successful clearance of Act 34 Act 114 and Act 151. 5) Obtain membership to a health education professional organization.
2. Interview Process for Admission - Between 45-60 Credits: 1) All Initial Requirements must be complete. 2) Participate in an interview with School Health Teacher Education faculty and present the admission criteria portfolio (including: Praxis I results, Act 34, Act 114 and Act 151, HLTH 240 certification cards, current transcript, Eligibility Checklist, Membership from professional organization).
3. Continued Enrollment - 1) Pass Praxis II: Fundamental Subjects: Content Knowledge prior to HLTH 431. 2) Eligibility for Student Teaching (2.8 QPA, complete all GE, HLTH and PSED courses, and successful Act 34 and 151 Act 114 TB Test clearances).
4. Certification and Graduation Standards - 1) Pass HLTH 431 (with a grade of "C" or better). 2) Satisfy degree and program requirements including a 3.0 QPA in HLTH and overall. 3) Pass Praxis II: Health Content Knowledge. 4) Complete certification application and immigration form. 5) Complete Act 34, Act 114, and Act 151 Clearances for employment.

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by university without notice)

Freshman Year

Fall

ENGL 103	English Composition	3
BIOL 111	GE: Human Anatomy and Physiology I	4
HLTH 210	Foundations of Health Science	3
MATH 100	GN: Numbers Sets & Structures	3
OR		
MATH 101	GN: Excursions in Mathematics	3
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
Spring		
HLTH 240	Health Emergencies	3
SOC 111	GN: Introduction to Sociology	3
CMST 111	GN: Introduction to Communication	3
GenEd ___	General Education Elective	3
XXXX ___	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: 15
Spring		
HLTH 350	Promoting Emotional Well-Being	3
HLTH 365	School Health Programs	3
GenEd ____	General Education Elective	3
HLTH ____	Health Electives	5
XXXX ___	Electives	3
		Subtotal: 17
Senior Year		
Fall		
HLTH 461	Methods in Health Education	3
HLTH 462	Assessment in School Health Education	3
XXXX ___	Elective	3
GenEd ____	General Education Elective	3
		Subtotal: 12
Spring		
HLTH 431	Student Teaching in Health Education	5 - 12
		Subtotal: 12

Total Credit Hours: 120

For more information, contact the department at 570-422-3702 or visit www.esu.edu/hlth.

Health and Physical Education Dual Certification

See Physical Education Teacher Education (p. 287)

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:

HLTH 210	Foundations of Health Science	3
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
HLTH 355	Drug Abuse & Prevention Education	3
HLTH 370	Planning and Evaluation in Public Health Practice	3
HLTH 386	Pre-Practicum 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	1 - 15
BIOL 117	Human Anatomy and Physiology I Laboratory for the Health Sciences	1

Choose three courses from the following:

9 credits

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

Co-requisite General Education courses:

CMST 111	GN: Introduction to Communication	3
OR		
CMST 253	GN: Public Speaking	3
CPSC 100	GN: Personal Computers and Their Uses	3
ECON 111	GN: Principles of Macroeconomics	3
HLTH 380	Health Project and Grant Writing	3
BIOL 116	GE: Human Anatomy and Physiology I for the Health Sciences	3
MATH 110	GN: General Statistics	3
PSY 100	GN: General Psychology	3
SOC 111	GN: Introduction to Sociology	3
POLS 160	GN: Introduction to Public Administration	3
OR		
POLS 293	GE: Public Policy and Administration	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.

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
OR		
FYE 100	University Studies	3

HLTH 210	Foundations of Health Science	3
MATH 110	GN: General Statistics	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
		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-Practicum 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

Spring

HLTH 486	Field Experience & Internship	1 - 15
		Subtotal: 12

Total Credit Hours: 119

For more information, contact the department at 570-422-3702 or visit www.esu.edu/hlth.

Public Health B.S. - Concentration: Health Services Administration

About the Program

If you are interested in a rewarding career that allows you to improve the lives of others while working in a rapidly changing field, you should consider a career in health administration.

The Health Department at East Stroudsburg University provides diverse opportunities for students interested in health administration. The curriculum and experiences also provide a solid foundation for students wishing to pursue graduate school training.

At ESU, students receive innovative academic preparation, with an emphasis on public health practice, public administration and management theory and extensive applied experiences within professional settings. The Public Health degree with a concentration in Health Services Administration provides broad exposure to the health sciences, as well as the natural and social sciences.

Upon completion of the degree programs, students are prepared to assess community needs, and design, implement and manage health and medical programs that promote health and prevent disease. The 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:

HLTH 210	Foundations of Health Science	3
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
HLTH 370	Planning and Evaluation in Public Health Practice	3
HLTH 381	Health Economics and Finance	3
HLTH 382	Health Ethics & Law	3
HLTH 386	Pre-Practicum in Public Health Practice	3
HLTH 412	Computer Applications in Public Health	3
HLTH 415	Determinants of Disease	3
HLTH 440	Modifying Health Behaviors	3
HLTH 470	Global Public Health	3
HLTH 486	Field Experience & Internship	1 - 15
BIOL 117	Human Anatomy and Physiology I Laboratory for the Health Sciences	1

Choose three courses from the following:

9 credits

HLTH 240	Health Emergencies	3
HLTH 355	Drug Abuse & Prevention Education	3
HLTH 408	Women's Health Concerns	3
HLTH 401	Public Health Preparedness	3
HLTH 442	Human Sexuality and Reproductive Health	3
HLTH 432	Death and Dying	3
HLTH 444	Health Promotion Programs and Aging	3
HLTH 450	Public Health Nutrition	3

Co-requisite courses:

MGT 200	Principles of Management	3
MGT 211	Financial Accounting Fundamentals	3

MGT 352	Human Resource Management	3
BIOL 116	GE: Human Anatomy and Physiology I for the Health Sciences	3
HLTH 380	Health Project and Grant Writing	3
CMST 111	GN: Introduction to Communication	3
OR		
CMST 253	GN: Public Speaking	3
CPSC 100	GN: Personal Computers and Their Uses	3
MATH 110	GN: General Statistics	3
POLS 160	GN: Introduction to Public Administration	3
OR		
POLS 293	GE: Public Policy and Administration	3

Additional requirements:

Minimum overall GPA of 2.8

C or above in all Major classes

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: 16

Spring

HPLW 105	Health Promotion and Lifetime Wellness	3
OR		
FYE 100	University Studies	3
HLTH 230	Community Health	3
ECON 112	GN: Principles of Microeconomics	3
HLTH 415	Determinants of Disease	3
XXXX ___	Elective	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

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	4

Subtotal: 16

Junior Year

Fall

HLTH 382	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

Spring

HLTH 380	Health Project and Grant Writing	3
HLTH 370	Planning and Evaluation in Public Health Practice	3
HLTH 381	Health Economics and Finance	3
HLTH 386	Pre-Practicum in Public Health Practice	3
GenEd ___	General Education Elective	3

Subtotal: 15

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

Spring

HLTH 486	Field Experience & Internship	1 - 15

Subtotal: 12

Total Credit Hours: 122

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 Ethics & Law	3
HLTH 408	Women's Health Concerns	3
HLTH 421	Advanced Emergency Care	3
HLTH 432	Death and Dying	3
HLTH 440	Modifying Health Behaviors	3
HLTH 442	Human Sexuality and Reproductive Health	3
HLTH 444	Health Promotion Programs and Aging	3
HLTH 460	Community Health Organizations	3
HLTH 470	Global Public Health	3

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
HLTH 261	Foundations of Epidemiology in Public Health	3
HLTH 271	Environmental Determinants of Community Health	3
POLS 255	GE: Issues in American Public Policy	3

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 370	Planning and Evaluation in Public Health Practice	3
HLTH 380	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)

Instructors:

Christina Brecht (cbrecht@esu.edu)

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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 socio-psychological 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 involved in individual health education. The exploration includes the analysis of the educational materials and methods being used, the management strategies of health promotion interventions, factors that influence current health education priorities in the field, and a general orientation to the professional and legal responsibilities in the field.

Distribution: Advanced.

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 - Drug and Alcohol Teacher Preparation (1.5 credits)
This course provides future teachers with the understanding, information, attitudes, and skills for use in the application of primary prevention programs for drug abuse. Special emphasis will be placed on decision-making skills, coping behaviors, and interpersonal growth.

Distribution: Advanced. Prerequisite: HLTH 105 or HLTH 230.

HLTH 365 - School Health Programs (3 credits)
This course deals with building leadership and collaboration skills to support a Coordinated School Health Program. (CSHP) 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.

Distribution: Advanced. Prerequisite: HLTH 230 AND HLTH 280 AND ECON 111 AND MGT 200.

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: HLTH210 AND HLTH230.

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: HLTH 462 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

College of Arts and Sciences

The Faculty of Social Sciences

Stroud Hall, Room 409
570-422-3286
www.esu.edu/history

About the History and Geography Department

We pride ourselves on being a teaching-focused institution with scholars who also contribute publications in their specific field of history. Our faculty offers a diverse range in courses.

The department's most popular track is the Social Studies Secondary Education concentration. The program is highly valued because of its balanced combination of content, pedagogy, and high job placement level.

About the Program

The Bachelor of Arts in History program affords students the unique experience of working closely with professors in a small setting, while allowing them to pursue a degree that meets their personal needs so they will be prepared for a fulfilling career.

We offer two concentrations: American and World History, and Secondary Education Social Studies.

Are you interested in …

- How the past affects the future America's place in the world

Choose History at ESU

- Small advanced class sizes
- Local history internships
- Qualified, experienced faculty

Is History a career path for me?

Career Potential

- Researcher
- Archivist
- Writer
- Preservationist

Career Settings

- Museums
- Library
- Government
- Law office

More detailed career information is available from the department.

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	
HIST 371	Medieval and Renaissance Europe, 500-1500	3
HIST 372	Reformations and European Wars of Religion	3
HIST 382	GE: Modern Britain	3
HIST 383	Modern European Revolutions	3
HIST 473	Modern Germany	3

21 additional credits:

HIST ____	21 additional semester hours in history	21

Additional Requirements:

- Twenty-one credits of this total must be completed at ESU.
- Fifteen credits must be 300/400 level courses.

History B.A. -Concentration: Secondary Education Social Studies

PROGRAM FEATURES

37 credits

Required courses:

22 credits

HIST 111	GN: World History to 1500	3
HIST 113	GN: World History since 1500	3
HIST 141	GN: United States History to 1877	3
HIST 143	GN: United States History since 1877	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

one of the following:

3 credits

HIST 272	GN: Modern European History	3
HIST 350	Evolution Of Western Capitalism	
HIST 371	Medieval and Renaissance Europe, 500-1500	3
HIST 372	Reformations and European Wars of Religion	3
HIST 382	GE: Modern Britain	3
HIST 383	Modern European Revolutions	3
HIST 473	Modern Germany	3

one of the following:

3 credits

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

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
OR		
GEOG 120	GN: Physical Geography	3
OR		
GEOG 130	GN: World Regional Geography	3
ECON 112	GN: Principles of Microeconomics	3
OR		
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
PSED 431	Student Teaching in Secondary Education/ Senior High School	6
PSED 458	Teaching of Social Studies in the Secondary	3

	Schools	
REED 350	Teaching Reading to Communities of Diverse Learners	3
SPED 102	Diversity of the Learner	3
SPED 350	Assessment of Student Learning and Behavior in Diverse Communities	3
MATH ____	MATH 6 credits	6
ENGL ____	English Literature	3

See Social Studies (p. 338) for Program Curriculum Plan

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 Dellipriscoli, Chair (ddelliprisoli@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 tradtions 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.

Distribution: GE: Social Sciences - History | Level II Writing (W2). Prerequisite: HIST141 OR HIST142 OR HIST143 OR HIST144.

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 it's 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 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 340 - Origins of the American Republic (3credits)
This course is an intensive study of the origins of the United States Constitution, beginning with the 1750s. The struggle over ratification of the Constitution and the creation of the Bill of Rights also receive their due. This course will further include a close examination of the Federalist Papers and the Anti-Federalist papers.

Distribution: Advanced. Prerequisite: HIST 141.

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 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 344 - Frontier History (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 350 - Evolution Of Western Capitalism
This course traces the origins and development of capitalism, the defining economic institution of the modern world. This course focuses on Europe, but also considers capitalism as a global phenomenon. Emphasis is placed on the industrial revolution, patterns of development, strategic sectors, the role of the state, the economic consequences of war, and the development of global markets.

Distribution: Advanced. Prerequisite: HIST 111 or 113.

HIST 352 - 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 354 - African-Americans & the Courts (3 credits)
This course places African-American History within the broader context of United States History via the lens of the United States judiciary. Major precedent will be the primary focus, beginning with the legal state of those of African descent in colonial America through the different roles taken by African-Americans in the 1990s.

Distribution: Advanced. Prerequisite: HIST 141, 142 or 143.

HIST 355 - United States Constitutional History and Law (3 credits)
This course investigates distinguishing aspects of the American constitutional system; judicial processes and decisions of major cases of the United States Supreme Court; interpretation of the fourteenth and other amendments; and evaluation of the contemporary court from a topic perspective.

Distribution: Advanced. Prerequisite: HIST141 AND POLS211.

HIST 357 - History of the Supreme Court: 1789-1914 (3 credits)
This course investigates distinguishing aspects of the American constitutional system; judicial processes and decisions of major cases of the United States Supreme Court; interpretation of the fourteenth and other amendments; and evaluation of the contemporary court from a topic perspective.

Distribution: Advanced.

HIST 359 - 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 362 - 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 363 - 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 371 - 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 372 - 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 382 - 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 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 Wilhelmian 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 activities 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
- Practical field experiences through the department's internship and Career Path programs
- Qualified, experienced faculty

Is Hotel, Restaurant and Tourism Managements career path for me?

Career Potential

- Banquet Director
- Club Manager
- Lodging/Resort Manager
- Restaurant Manager
- Catering Director
- Event Planner
- Tourism Director
- Conference/Convention Coordinator

Career Settings

- Hotels
- Casinos
- Resorts
- Restaurants
- Country Clubs
- Convention Centers
- Airlines
- Cruise Lines
- Amusement Parks
- Institutional Food Service

More detailed career information is available from the department.

Accreditation

- The Hotel, Restaurant and Tourism Management program is accredited with the Accreditation Commission for Programs in Hospitality Administration.

Student Organizations

- Students are encouraged to participate in clubs.
- The Hotel/Restaurant Management Club is the largest and one of the most active organizations on the campus, providing opportunities to observe, learn and participate in related hotel and restaurant operations.
- The HRTM Tourism Club provides an added opportunity for students interested in a career in Tourism.
- The department also hosts a chapter of Eta Sigma Delta, the international scholastic honorary society for hospitality students.

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 241	Principles of Lodging Management	3
HRTM 310	Systems Approach to Food & Beverage Management	3
HRTM 321	Hospitality & Tourism Human Resources	3
HRTM 331	Hospitality & Tourism Marketing	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)
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

Directed 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)

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
MGT 211	Financial Accounting Fundamentals	3
GenEd ____	General Education elective	3
		Subtotal: 15

Spring

HRTM 331	Hospitality & Tourism Marketing	3
GenEd ____	General Education elective	3
	Foreign Language	3
ECON 112	GN: Principles of Microeconomics	3
GenEd ____	General Education elective	3
		Subtotal: 15

Junior Year

Fall

HRTM 310	Systems Approach to Food & Beverage Management	3
HRTM 421	Hospitality & Tourism Training & Staff Development	3
HRTM 431	Hospitality & Tourism Strategic Market Planning	3
GenEd ____	General Education elective	3
HRTM XXX	HRTM Elective 3	3
		Subtotal: 15

Spring

HRTM 411	Restaurant Operations Management	3
HRTM 441	Hospitality & Tourism Financial Management	3
HRTM XXX	HRTM Elective 3	3
GenEd ____	General Education elective	3
	FIT	2
XXXX ___	Free Elective	1
		Subtotal: 15

Senior Year

Fall

HRTM 486	Hospitality & Tourism Internship	9
XXXX ___	Free Elective	3
XXXX ___	Free Elective	3
		Subtotal: 15

Spring

HRTM 489	Contemporary Legal & Ethical Aspects of Hospitality & Tourism Management	3
HRTM 491	Seminar in Hospitality & Tourism Management	3
HRTM XXX	HRTM Elective 3	3
XXXX ___	Free Elective	3
GenEd ____	General Education elective	3
		Subtotal: 15

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

For more information, contact the department at 570-422-3511 or visit www.esu.edu/hrtm.

Hotel, Restaurant and Tourism Management Minor

PROGRAM FEATURES:

18 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 241	Principles of Lodging Management	3
HRTM ____	Hotel Restaurant & Tourism Management courses 300 or 400 level	6

Additional requirements:

A minimum "C" grade is required in all minor courses. A minimum of 12 HRTM credits taken at ESU are required.

Hotel, Restaurant and Tourism Management Faculty

Professor:

Stanley Li-Ming Chiang, Chair (lchiang@esu.edu)

Assistant Professors:

Tevfik Demirciftci (tdemircift@esu.edu)

Frederick Meitner (fmeitner@esu.edu)

HRTM - Hotel, Rest & Tourism Mgmt Courses

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.

- HRTM 201

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.

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.

- HRTM-213

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.

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 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.

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.

Distribution: Advanced. Prerequisite: HRTM101 AND HRTM211 AND HRTM232 AND HRTM241.

HRTM 331 - Hospitality & Tourism Marketing (3 credits)
This course establishes the importance of a formalized marketing program in successful hotel, restaurant and tourism operations.

Distribution: Advanced. Prerequisite: HRTM101 AND HRTM211 AND HRTM232 AND HRTM241.

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.

Distribution: Advanced. Prerequisite: HRTM101 AND HRTM211 AND HRTM232 AND HRTM241 AND HRTM311.

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: HRTM101 AND HRTM211.

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: HRTM310 AND HRTM321 AND HRTM331.

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 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 (I) | 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: HRTM232 AND HRTM334 AND HRTM335.

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: HRTM232 AND HRTM331.

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: HRTM232 AND HRTM335.

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: HRTM101 AND HRTM211 AND HRTM321.

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.

HRTM 485 - IS: (3 credits)
Enrollment is contingent upon the student's compliance with all departmental standards and requirements.

Distribution: Advanced.

HRTM 486 - Hospitality & Tourism Internship (9 credits)
The internship is a planned course that integrates classroom experience and 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.

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, adviser 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

Required Courses:

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. (p. 43)

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
RECR 241	WS: Leisure and Gender	3
SOC 345	Sociology of Sexuality	3
SOC 377	GE: WS: Sociology of Women	3
SOSW 325	Crisis Intervention	3
THTR 320	GE: WS: Women in Theatre	3
WMST 200	Women of the African Diaspora	3
WMST 310	Queer Topics: Sex, Gender, and Sexuality	3
WMST 350	Feminist Theories	3

or other courses in Women and Gender Studies as approved by Coordinator of Women's Studies.

Additional Requirements

- At least 6 of the required 18 credits for the minor must be at 300 or 400 level courses.
- Required Seminar: A field experience option, WMST 487, is available as an enhancement to the Women and Gender Studies minor. These credits are in addition to the required 18 credits indicated above.

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 Africana 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 with 43 different majors, from 14 states and two foreign countries. There are also students who have served in the active Army, Army National Guard and the Army Reserve, many who were deployed prior to joining Army ROTC. The wide range of the students' backgrounds enhances the diverse experience of ESU cadets enrolled in the Northeast Pennsylvania Army ROTC Battalion.

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 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.

MSL 402 - Company Grade Leadership (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 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 (p. 113) 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

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. 44) (p. 46)

Additional requirements:

- Please see the university requirements in this catalog. (p. 43)
- **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.

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

NOTE: These suggested schedules assume eight semesters of attendance, beginning in a fall semester, and normal progress. Students should consult with their adviser to determine the best sequence of mathematics courses. Some courses are offered only in fall semesters (MATH 421) and others are only offered in the spring semester (MATH 341 and 425). Some electives are offered only once every year or once every two years, so prior planning is important.

Freshman Year

Fall

MATH 140	GN: Calculus I	4
OR		
MATH 135	GN: Pre-Calculus	3
ENGL 103	English Composition	3
MLXX ____	Foreign Language I	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
MLXX ____	Foreign Language II	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
HPLW 105	Health Promotion and Lifetime Wellness	3
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
		Subtotal: 16

Spring

MATH 240	Multivariate Calculus	4

MATH 320	Linear Algebra	3
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
		Subtotal: 16

Junior Year

Fall

MATH 311	Statistics I	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
GenEd ___	General Education Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

MATH 341	Differential Equations	3
MATH 425	Introduction to Mathematical Modeling	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Senior Year

Fall

MATH 421	Abstract Algebra	3
MATH ____	Math Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

MATH ____	Math Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 12

Total Credit Hours: 120-121

For more information, contact the department by calling 570-422-3447 or by email at mathdept@esu.edu. For assistance or special accommodations, call 570-422-3954.

Mathematics B.S. - Applied Mathematics

- Bachelor of Science in Mathematics with Concentration in Applied Biological Mathematics
- Bachelor of Science in Mathematics with Concentration in Applied Chemical Mathematics
- Bachelor of Science in Mathematics with Concentration in Applied Computer Science Mathematics
- Bachelor of Science in Mathematics with Concentration in Applied Financial Mathematics
- Bachelor of Science in Mathematics with Concentration in Applied Physical 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

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: Personal Computers 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: Personal Computers 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
		Subtotal: 12

Total Credit Hours: 120

For more information, contact the department at 570-422-3447 or email at mathdept@esu.edu. For assistance or special accommodations, call 570-422-3954.

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

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	1
	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. (p. 43)

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
OR		
GenEd ____	General Education Elective	3
MATH 320	Linear Algebra	3
REED 350	Teaching Reading to Communities of Diverse Learners	3
MATH ____	Math Elective	3
GenEd ____	General Education Elective	3

Subtotal: 15-16

Junior Year

Fall

MATH 311	Statistics I	3
MATH 351	Modern Geometry	3
SPED 350	Assessment of Student Learning and Behavior in Diverse Communities	3
GenEd ____	General Education Elective	3
GenEd ___	General Education Elective	3

Subtotal: 15

Spring

MATH 425	Introduction to Mathematical Modeling	3
MATH 431	Teaching Mathematics Using Technology	3
PSED 420	Seminar in Secondary Education I: Instructional Structures and Strategies	3

PSED 436	Teaching of Mathematics in the Secondary Schools	3
GenEd ____	General Education Elective	3
		Subtotal: 15

Senior Year

Fall

MATH 421	Abstract Algebra	3
MATH 430	History Of Mathematics	3
PSED 421	Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom	3
GenEd ____	General Education Elective	3
GenEd ___	General Education Elective	3
		Subtotal: 15

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
MATH 499	Student Teaching Internship	1
		Subtotal: 13

Total Credit Hours: 121

For more information, contact the department by calling 570-422-3447 or email at mathdept@esu.edu.

For assistance or special accommodations, call 570-422-3954.

Mathematics B.S. - Education and Special Education

PROGRAM FEATURES

100 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	1
	three credits from MATH 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 436	Teaching of Mathematics in the Secondary Schools	3
SPED 102	Diversity of the Learner	3
PSED 430	Student Teaching in Secondary Education/ Middle School/Junior High School	6

OR

SPED 420	Student Teaching in Special Education - Part I	6
PSED 431	Student Teaching in Secondary Education/ Senior High School	6
REED 350	Teaching Reading to Communities of Diverse Learners	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

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:

MATH 140	GN: Calculus I	4
MATH 141	GN: Calculus II	4

MATH 220	Discrete Mathematical Structures	3
MATH 240	Multivariate Calculus	4
MATH 320	Linear Algebra	3
MATH ___	one MATH elective (300-level or higher)	3

Minor in Actuarial Science

PROGRAM FEATURES

21 credits

Required courses

MATH 140	GN: Calculus I	4
MATH 141	GN: Calculus II	4
MATH 240	Multivariate Calculus	4
MATH 280	Mathematics Of Finance	3
MATH 311	Statistics I	3
MATH 481	Actuarial Studies	3

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:

MATH 110	GN: General Statistics	3
MATH 318	Exploratory Data Analysis with R	3
MATH 402	Applied Statistical Methods	3
MATH 416	Linear Statistical Modeling with SAS	3
MATH 487	Internship in Statistics	3
OR		
ECON 332	Forecasting Methods	3

Co-requisite course:

CPSC 100	GN: Personal Computers and Their Uses	3
OR		
CPSC 101	GN: Personal Computers and Their Uses in the Sciences	3
OR		
CPSC 120	GN: Introduction to Computer Programming for Science and Engineering	3
OR		
CPSC 130	GN: Introduction to Computer Programming I	3

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:

MATH 110	GN: General Statistics	3
MATH 311	Statistics I	3
MATH 318	Exploratory Data Analysis with R	3
MATH 411	Statistics II	3

and two of the following:

MATH 402	Applied Statistical Methods	3
MATH 416	Linear Statistical Modeling with SAS	3
MATH 487	Internship in Statistics	3

Co-requisite course:

CPSC 120	GN: Introduction to Computer Programming for Science and Engineering	3
OR		
CPSC 130	GN: Introduction to Computer Programming I	3

Mathematics Faculty

Professors:

Olivia Carducci, Chair (ocarducci@esu.edu)

N. Paul Schembari (nschembari@esu.edu)

Associate Professors:

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Assistant Professors:

Jonathan Keiter (jkeiter@esu.edu)

Kristin Noblet (knoblet@esu.edu)

Christopher Dubbs

MATH - Mathematics Courses

Math Competency Requirement

Students must demonstrate competency in Basic Mathematical Skills before enrolling in mathematics courses numbered 100 or higher. See Basic Mathematical Skills Competency

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.

Distribution: GE: Natural Sciences - Math|GN: Group B - Mathematics (BMA). Prerequisite: Basic Mathematical Skills Competency.

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 280 - 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, single and multiple regression analyses, one-and two-way analysis of variance and experimental design and parametric stastics 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.

Distribution: Advanced. Prerequisite: MATH141 AND MATH320.

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: MATH240 AND MATH320 AND CPSC111 OR CPSC211.

MATH 480 - 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 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. 349) 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:

BIOL 105	GN: General Biology	3
CHEM 115	GN: Chemistry, Molecules and Life	3
ENGL 104	English Composition for Secondary English and Middle Level Education Majors	3
	Any ENGL 173-188	3
ENGL 190	GN: Multicultural American Literature	3
ENGL 412	Teaching of Writing in the Secondary and Middle Schools	3
HIST 111	GN: World History to 1500	3
HIST 141	GN: United States History to 1877	3
ECON 111	GN: Principles of Macroeconomics	3
GEOG 120	GN: Physical Geography	3
PHYS 105	GN: Physics for the Inquiring Mind	3
MATH 105	Mathematical Problem Solving for Pre-K to Grade 8 Education Majors	3
MATH 110	GN: General Statistics	3
MATH 130	GN: Applied Algebraic Methods	3
MATH 205	Geometry for Pre-K to Grade 8 Education Majors	3
	Fit 1 and Fit 2 GE: requirement	
	F/P Arts/Phil/ FL GE: Elective	

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

Student Teaching semester:

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
	And	
MLNG 499	Student Teaching Internship	1

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 I	4
MATH 141	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	1
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	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
POLS 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
XXXX ___	Concentration Area: 5th Course	3

Subtotal: 15

Spring

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
PSED 244	Adolescent Psychology	3
	Concentration Area: 6th Course	3

Subtotal: 15

MATH 135: (Science con. Only)

Junior Year

Fall

ECON 111	GN: Principles of Macroeconomics	3
PHYS 105	GN: Physics for the Inquiring Mind	3
SPED 350	Assessment of Student Learning and Behavior in Diverse Communities	3
XXXX ___	Concentration Area: 7th Course	3
XXXX ___	Concentration Area: 8th Course	3

Subtotal: 15

Spring

ELED 350	Middle School Methods	3

REED 340	Teaching Reading in the Middle School	3
	F/P/Arts/Phil/ML Choice Course	3
XXXX ___	Concentration Area: 9th Course	3
XXX ___	Concentration: Area 10th Course	3
		Subtotal: 15

Senior Year

Fall

ELED 450	Seminar in Middle School Methods	3
SPED 351	Collaboration for Inclusion	3
ENGL 412	Teaching of Writing in the Secondary and Middle Schools	3
REED 350	Teaching Reading to Communities of Diverse Learners	3
	F/P/Arts/Phil/ML Choice course	3
		Subtotal: 15

Spring

ELED 431	Student Teaching in Middle Level Education	6
PSED 430	Student Teaching in Secondary Education/ Middle School/Junior High School	6

XXXX 499 1 credit course 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

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 Descriptions).

Total Credit Hours: 120

Modern Languages

College of Arts and Sciences

The Faculty of Arts and Letters

Stroud Hall, Room 208
570-422-3407
www.esu.edu/ml

About the Program
Studying a language at East Stroudsburg University offers students an ideal opportunity to broaden their intellectual horizons, improve their communication skills, and gain a genuine understanding of another culture. Students may greatly enhance their prospects of employment by pursuing language study in conjunction with such disciplines as Business, Health Studies, Psychology, Hotel/Restaurant/Tourism, English, History, Communications, and many other fields.

Employment / Career Opportunities

As employment opportunities become increasingly international in their orientation, 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
- Intersections 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.

Notes:

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. (p. 43)

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 II	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

Subtotal: 15

Spring

MLSP 214	GN: Spanish III	3
FYE 100	University Studies	3
GenEd ___	General Education Elective - Humanities #2	3
GenEd ___	General Education Elective - Science #2	3
GenEd ___	General Education Elective - Social Science #2	3

Subtotal: 15

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

Subtotal: 15

Spring

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

Subtotal: 15

Junior Year

Fall

MLSP 310	A Critical Approach to Spanish Literature	3
MLNG 361	Introduction to Linguistics	3
GenEd ___	General Education Elective - Social Science #4	3
GenEd ___	General Education Elective - Humanities #4	3
XXXX ___	Elective	3

Subtotal: 15

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
		Subtotal: 15

Senior Year

Fall

MLSP ___	MLSP Elective	3
MLSP ___	Language 400-level literature/civilization	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

INTERNSHIP, OR:

XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
MLSP ___	MLSP Elective	3
MLSP ___	Language 400-level literature/civilization	3
		Subtotal: 15

Total Credit Hours: 120

Spanish B.S. - Education

Notes:

1. The Pennsylvania Department of Education has made some recent changes in teacher certification requirements. Please refer to the section "The College of Education" in this Undergraduate Catalog for specific requirements for admission into teacher education programs. ALL teacher education students should be in frequent consultation with both of their academic advisers - PSED and language - to make sure they are meeting the appropriate program and certification requirements. These will vary depending on a variety of circumstances.
2. All students pursuing a Bachelor of Science degree in Spanish must maintain a minimum grade point average of 3.0 in the major. No grade less than "C" will be accepted for the major. See PSED for additional GPA requirements.
3. Students must complete an English-literature course (in addition to ENGL 103) and TWO Math courses. See the English, Math and PSED departments for additional information, as certain courses will not count in fulfillment of these requirements.
4. Certification encompasses kindergarten through grade 12.
5. All students pursuing a Bachelor of Science 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.
6. Students seeking a Bachelor of Science degree or certification in Spanish must pass through a series of eight assessments that are mandates as part of the department's CAEP/NCATE accreditation status (National Recognition). These include: (1) the Praxis II World Languages exam (Spanish); (2) a Target-Language Linguistics Exam; (3) a Unit Plan; (4) two observations during Student Teaching; (5) the Student Teaching Practicum; (6) the ACTFL telephonic Oral Proficiency Interview (OPI); (7) the Capstone Exam in Civilization of the Spanish-speaking World; and (8) an Essay of Reflections on Study Abroad. See the department for further details.
7. Students must take the OPI before entering student teaching, passing at the Advanced Low level or higher. Candidates for the Bachelor of Science degree in Spanish will also be required to demonstrate appropriate language proficiency through an exit interview conducted by faculty members.
8. 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.
9. Additional information can be found in the Department of Modern Languages.

Students Returning for Teaching Certification Only:

A. Requirements for Students with a Previous Degree in a Field Other than the Language of Certification

These students must follow all requirements as set forth for the Bachelor of Science candidates, the equivalent of an undergraduate B.S. major in Spanish. Appropriate course work equivalencies will be credited upon review of transcripts. Native-speakers must take all course work at the 300-400 levels.

B. Requirements for Students with a Previous Degree in the Language of Certification

These students will be guided on a case-by-case basis. An oral interview and written assignment in the target language will be administered by members of the faculty from the language area. Following this initial interview, the faculty of the language area, in consultation with the chair, will decide upon the number of additional credits (if any) required of the candidate.

PROGRAM FEATURES: SPANISH MAJOR

31 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
MLNG 499	Student Teaching Internship	1

18 additional MLSP credits in any course except:

MLSP 116	GN: Spanish I	3
MLSP 117	GN: Spanish II	3
MLSP 120	Spanish Masterpieces in Translation	3
MLSP 231	Spanish For Travelers	3

Six of these 18 credits must be met with a 400-level course (excluding MLNG 486).

Required professional education courses:

PSED 161	Foundations of Education	3
PSED 250	The Psychology of Learners In Diverse Communities	3
PSED 416	Teaching of Foreign Language	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 350	Assessment of Student Learning and Behavior in Diverse Communities	3

Required tests:

See section "Notes" for details on departmental assessments, GPA requirements, PSED, etc.

Additional requirements:

Please see the university requirements in this catalog. (p. 43)

Note: Students must schedule the PAPA or CORE exam before spring break of the sophomore year in order to be screened into the Secondary Education program. The Praxis II Fundamental Subjects exam must also be passed approximately two months prior to student teaching. See PSED for specific dates. Other regulations also apply.

Program Completion Requirements

- Admission to Teacher Education Programs
- 3.0 QPA in MLSP
- 3.0 overall QPA

4 YEAR CURRICULUM PROGRAM PLAN

Bachelor of Science in Spanish

(Subject to change by university without notice)

Freshman Year

Fall

MLSP 214	GN: Spanish III	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

Subtotal: 15

Spring

MLSP 215	GN: Spanish IV	3
	General Education Elective - Humanities #2 English	3
SPED 350	Assessment of Student Learning and Behavior in Diverse Communities	3
	General Education Elective - Science #4 Math	3
GenEd ___	General Education Elective - Social Science #3	3
	Fitness Elective	1

Subtotal: 16

Sophomore Year

Fall

	Language 200 level	3
PSED 250	The Psychology of Learners In Diverse Communities	3
GenEd ___	General Education Elective - Humanities #3	3
GenEd ___	General Education Elective - Social Science #2	3
	General Education Elective - Science #3 Math	3
	Fitness Elective	1

Subtotal: 16

Spring

MLSP 315	Spanish Grammar and Composition	3
MLSP 336	Spanish Oral Practice	3
OR		
GenEd ___	General Education Elective - Science #4	3
GenEd ___	General Education Elective - Social Science #3	3
SPED 350	Assessment of Student Learning and Behavior in Diverse Communities	3

Subtotal: 15

Junior Year

Fall

MLSP 310	A Critical Approach to Spanish Literature	3
REED 350	Teaching Reading to Communities of Diverse Learners	3
GenEd ___	General Education Elective - Social Science #4	3
MLNG 361	Introduction to Linguistics	3
GenEd ___	General Education Elective - Humanities #4	3

Subtotal: 15

Spring

	Language 300/400 Level	3
	Language 300/400 Level	3
PSED 420	Seminar in Secondary Education I: Instructional Structures and Strategies	3
	General Education Elective - Humanities #5	3
	General Education Elective - Science #5	3
		Subtotal: 15

Senior Year

Fall

	Language 400-level Literature	3
GenEd ___	General Education Elective - Social Science #5	3
PSED 416	Teaching of Foreign Language	3
PSED 421	Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom	3
XXXX ___	Elective	3
		Subtotal: 15

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
MLNG 499	Student Teaching Internship	1
		Subtotal: 13

Total Credit Hours: 120

For more information, contact the department by calling 570-422-3407, or contact the Professional and Secondary Education Department (PSED).

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

Co-requisites:

Six credits from the following list:

MLCH 221	Reading Chinese	3
MLCH 235	Chinese Listening and Speaking	3
SOC 201	GN: The Comparison of Societies	3
PHIL 212	GN: Asian Thought and Culture	3
POLS 230	GE: Asia	3
CMST 310	Intercultural Communication	3
HIST 313	GE: China: History & Politics	3
GEOG 330	GE: Geography of Eastern Asia	3
POLS 420	East Asia and Transpacific Relations	3

Additional Requirements:

Six credits must be taken at ESU.

Students must participate in an exchange program (either locally or abroad) or in a substitute experience as approved by the Chair.

Students must earn a grade of "C" (2.0) or better in all coursework for the minor.

International Studies Minor

21 credits

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:

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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.

Distribution: GE: Humanities - Foreign Lang|GN: Group A - Modern Languages (AML)|Communication (C).

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.

Distribution: GE: Humanities - Foreign Lang. Prerequisite: MLAR116.

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 117 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)
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: MLCH 215 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 basis interactions 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 116.

MLFR 120 - GN: French Masterpieces in Translation (3 credits)
This is a general education course open to all students except French majors. It includes reading and analysis of representative French works, done in English translation, of the 19th and 20th centuries.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity & Citizenship (G).

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).

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 enable a wide variety of communication within French-speaking communities.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G) | Advanced. Prerequisite: MLFR 117 .

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 and Citizenship (G) | Advanced. Prerequisite: MLFR 214 .

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 intertexual 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.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G). Prerequisite: MLGR 116 .

MLGR 120 - GN: German Masterpieces in Translation (3 credits)
Readings in English translation may include works by Kafka, Mann, Hesse, Brecht, and others. This is a general education course open to all students except German majors.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity & Citizenship (G).

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 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: 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.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C) | Global Diversity and Citizenship (G). Prerequisite: MLIT 116.

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 and 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.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Communication (C).

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) | Global Diversity and Citizenship (G) | 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.

Distribution: GE: Humanities - Foreign Lang | GN: Group A - Modern Languages (AML) | Global Diversity & Citizenship (G) | Communication (C).

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 (ADVD). 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) | Global Diversity & Citizenship (G) | Advanced (ADVD). Prerequisite: MLSP 116, 117 and 214; 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 251 - GN: Translation: Spanish (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 include current newspaper articles, magazine articles, and excerpts from various texts. Offered on demand.

Distribution: GN: Advanced. Prerequisite: MLSP215.

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.

Distribution: Advanced. Prerequisite: Pre-requisite: appropriate intermediate-to-advance proficiency in Spanish, as determined by the department. .

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, beginning 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 aspect 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: MLSP 310 or 4 years of high school Spanish, and MLSP 315.

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.

Distribution: Advanced. Prerequisite: MLSP 310 or equivalent or one of the advanced language courses or a language proficiency course (EDC).

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 of the following survey courses MLSP 401 OR MLSP 402 OR MLSP 444 OR MLSP 445.

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 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.

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

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.

Distribution: GE: Humanities - Fine Arts|GN: Group A - Fine Arts (AFA)|Artistic Expression (A).

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.

Distribution: GE: Humanities - Fine ArtsGE: Humanities - Fine Arts|GN: Group A - Fine Arts (AFA)|Artistic Expression (A).

MUS 105 - GN: American Popular Music (3 credits)
This introductory course will examine the history of American popular music through the study of noteworthy performers, composers, compositions, styles, and trends. Related political, social, cultural, and historical influences will also be discussed.

Distribution: GE: Humanities - Fine ArtsGE: Humanities - Fine Arts|GN: Group A - Fine Arts (AFA)|Artistic Expression (A).

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.

Music Faculty

Associate Professor:

James Maroney (JMaroney@esu.edu)

Assistant Professor:

Brian Hodge (bhodge1@esu.edu)

Nursing

College of Health Sciences

The Faculty of Health Sciences

DeNike 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%)

+Science (58%)

+English and Language Usage (66.8%).

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 (p. 277).

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:

NURS 211	Health Assessment for Nurses	2
NURS 212	Health Assessment for Nurses Laboratory	1
NURS 213	Theoretical Foundations of Nursing	3
NURS 214	Foundations of Nursing Practice	2
NURS 216	Theoretical Foundations of Nursing II	2
NURS 220	Nutrition and Diet Therapy	3
NURS 221	Health Transitions from Birth through Young Adult	2
NURS 222	Nursing Care from Birth through Young Adult	2
NURS 310	Introduction to Evidence Based Nursing Practice	2
NURS 311	Health Transitions I: Experience of Illness in the Middle Adult Years	2
NURS 312	Nursing Care of Middle-Aged Adults I	2
NURS 313	Transitions in Mental Health	2
NURS 314	Nursing Care of Patients Experiencing Transitions in Mental Health	2
NURS 315	Nursing Care Simulation I	1
NURS 323	Health Transitions in the Childbearing Family	2
NURS 324	Nursing Care of Middle-Aged Adults II	2
NURS 325	Nursing Care Simulation II	1
NURS 326	Nursing Care of Middle-Aged Adults II	2
NURS 327	Health Transitions II: Experience of Illness in the Middle Adult Years	2
NURS 411	Health Transitions III: The Adult Experience of Complex Illness	2
NURS 412	Nursing Care of Adults with Complex Illness	2
NURS 414	Nursing Care of the Older Adult	
NURS 415	Nursing Care Simulation III	1
NURS 420	Synthesis of Nursing Knowledge	3
NURS 425	Nursing Care Simulation IV	1
NURS 426	Nursing Leadership and Management	2
NURS 427	Nursing Leadership and Management Applications	2
NURS 428	Health Transitions of Diverse Populations in the Community	2
NURS 429	Nursing Care of Diverse Populations in the Community	2

Corequisite courses:

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
BIOL 424	Mechanisms Of Disease I	3
BIOL 461	Mechanisms of Disease Laboratory	1
CHEM 115	GN: Chemistry, Molecules and Life	3
CHEM 117	GN: Chemical Basis of Life Laboratory	1
PSY 100	GN: General Psychology	3
SOC 102	GN: Introduction to Cultural Diversity	3
CMST 111	GN: Introduction to Communication	3
MATH 110	GN: General Statistics	3

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

Freshman Year

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
PSY 100	GN: General Psychology	3
ENGL 103	English Composition	3
MATH 110	GN: General Statistics	3
FYE 100	University Studies	3
		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
CMST 111	GN: Introduction to Communication	3
SOC 102	GN: Introduction to Cultural Diversity	3
HPLW 105	Health Promotion and Lifetime Wellness	3
GenEd ___	General Education Elective	3
		Subtotal: 16

Sophomore Year

Fall

BIOL 424	Mechanisms Of Disease I	3
BIOL 461	Mechanisms of Disease Laboratory	1
NURS 211	Health Assessment for Nurses	2
NURS 212	Health Assessment for Nurses Laboratory	1
NURS 213	Theoretical Foundations of Nursing	3
NURS 214	Foundations of Nursing Practice	2
GenEd ____	General Education Elective	3
		Subtotal: 15

Spring

NURS 220	Nutrition and Diet Therapy	3
NURS 221	Health Transitions from Birth through Young Adult	2
NURS 222	Nursing Care from Birth through Young Adult	2
CHEM 115	GN: Chemistry, Molecules and Life	3
CHEM 117	GN: Chemical Basis of Life Laboratory	1
GenEd ___	General Education Elective	3
		Subtotal: 14

Junior Year

Fall

NURS 310	Introduction to Evidence Based Nursing Practice	2
NURS 311	Health Transitions I: Experience of Illness in the Middle Adult Years	2
NURS 312	Nursing Care of Middle-Aged Adults I	2
NURS 313	Transitions in Mental Health	2
NURS 314	Nursing Care of Patients Experiencing Transitions in Mental Health	2
NURS 315	Nursing Care Simulation I	1
GenEd ___	General Education Elective	3
		Subtotal: 14

Spring

NURS 323	Health Transitions in the Childbearing Family	2
NURS 324	Nursing Care of Middle-Aged Adults II	2
NURS 325	Nursing Care Simulation II	1
NURS 326	Nursing Care of Middle-Aged Adults II	2
NURS 327	Health Transitions II: Experience of Illness in the Middle Adult Years	2
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
		Subtotal: 15

Senior Year

Fall

NURS 216	Theoretical Foundations of Nursing II	2
NURS 411	Health Transitions III: The Adult Experience of Complex Illness	2
NURS 412	Nursing Care of Adults with Complex Illness	2
NURS 414	Nursing Care of the Older Adult	
NURS 415	Nursing Care Simulation III	1
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
		Subtotal: 15

Spring

NURS 420	Synthesis of Nursing Knowledge	3
NURS 425	Nursing Care Simulation IV	1
NURS 426	Nursing Leadership and Management	2
NURS 427	Nursing Leadership and Management Applications	2
NURS 428	Health Transitions of Diverse Populations in the Community	2
NURS 429	Nursing Care of Diverse Populations in the Community	2
GenEd ___	General Education Elective	3
		Subtotal: 15

Total Credit Hours: 120

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:

NURS 211	Health Assessment for Nurses	2
NURS 212	Health Assessment for Nurses Laboratory	1
NURS 220	Nutrition and Diet Therapy	3
NURS 309	Dynamics of Nursing Practice	3
NURS 310	Introduction to Evidence Based Nursing Practice	2
NURS 420	Synthesis of Nursing Knowledge	3
NURS 426	Nursing Leadership and Management	2
NURS 427	Nursing Leadership and Management Applications	2
NURS 428	Health Transitions of Diverse Populations in the Community	2
NURS 429	Nursing Care of Diverse Populations in the Community	2

Corequisite courses:

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
BIOL 424	Mechanisms Of Disease I	3
BIOL 461	Mechanisms of Disease Laboratory	1
CHEM 115	GN: Chemistry, Molecules and Life	3
CHEM 117	GN: Chemical Basis of Life Laboratory	1
CMST 111	GN: Introduction to Communication	3
ENGL 103	English Composition	3
MATH 110	GN: General Statistics	3
PSY 100	GN: General Psychology	3
SOC 102	GN: Introduction to Cultural Diversity	3

For more information, email (dseigart@esu.edu)

DeNike Center for Human Services

570-422-3474
www.esu.edu/nurs

Nursing: 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. Correct interpretation of assessment data, identification of necessary nursing interventions, design of appropriate nursing care plans, evaluating the effectiveness of interventions and revising planned interventions.
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, families, and groups from a variety of social, emotional, cultural and intellectual backgrounds.	Establish rapport and relate effectively with clients, their families, and colleagues. Work effectively with these individuals when they are stressed physically and/or emotionally. Provide care socially and culturally acceptable to clients
Communication	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
Mobility	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
Motor Skills	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.
Tactile	Tactile dexterity sufficient for physical	Perform palpation, functions of physical examination

	assessment.	and/or those related to therapeutic intervention, i.e. insertions of a catheter, giving injections
Visual	Visual ability sufficient for observation and assessment necessary in nursing care.	Reading charts, flow sheets, monitors, thermometers. Assessment of patient skin, color, pupils, wound healing. Drawing up and administering medications.
Hearing	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
Personal Behaviors	Maintains personal behaviors consistent with the American Nurses' Association Code for Nurses.	Demonstrates personal responsibility, accountability, integrity and honesty. Demonstrates respect for self and others through their verbal and nonverbal behaviors. Avoids behavior inconsistent with professional standards such as chemical dependency and abuse, harm toward self or others, or engaging in or supporting criminal behavior.

Adapted from Core Performance Standards Required for Nursing, Board of Directors of the Southern Council on College Education for Nursing (SCCEN), 1993

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 much 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 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 Examination 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)

Alexis Koenig (akoenig2@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.

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.

Distribution: Advanced. Prerequisite: NURS211 AND NURS213. Corequisite: CHEM115.

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.

Distribution: Advanced. Prerequisite: NURS211 AND NURS213. Corequisite: NURS222.

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 interactional 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.

Distribution: Advanced.

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 students 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.

Distribution: Advanced. Corequisite: NURS 311, NURS 312, NURS 313 AND NURS 314.

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.

Distribution: Advanced. Corequisite: NURS 323 AND NURS 324 AND NURS 326 AND NURS 327.

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.

Distribution: Advanced. Prerequisite: NURS311 AND NURS313. Corequisite: NURS321.

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.

Distribution: Advanced. Prerequisite: NURS311 AND NURS313. Corequisite: NURS322.

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.

Distribution: Advanced. Corequisite: NURS321.

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.

Distribution: Advanced. Prerequisite: NURS321 AND NURS323. Corequisite: NURS412.

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.

Distribution: Advanced. Prerequisite: NURS321 AND NURS326. Corequisite: NURS411.

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.

Distribution: Advanced. Corequisite: NURS411, NURS412, NURS413, and NURS414.

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.

Distribution: Advanced. Corequisite: NURS 420, NURS 426, NURS 427, NURS 428 AND NURS 429.

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.

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.

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:

PHIL 121	GN: Bioethics	3
PHIL 251	GN: Ancient Philosophy	3
PHIL 281	GN: Philosophy Of Mind	3
PHIL 321	Logic II	3
PHIL 337	Contemporary Ethics	3
PHIL 417	20th Century Analytic Philosophy	3
PHIL 418	Phenomenology and Existentialism	3
PHIL 457	Kant & German Idealism	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 221	GN: Logic I	3
PHIL 231	GN: Ethics	3
PHIL 355	Rationalism & Empiricism	3
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

Subtotal: 30

(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	
PHIL 212	GN: Asian Thought and Culture	3
PHIL 312	Cross-Cultural Philosophy	3
		Subtotal: 12

Subtotal: 30

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

Spring

PHIL ____	PHIL "Required Course" for Concentration	3
XXXX ___	Elective	3
XXXX ___	Elective	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

Total Credit Hours: 120

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)

Peter Pruim (ppruim@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.

Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Communication (C). Prerequisite: PHIL110.

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.

Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Communication (C). Prerequisite: PHIL110.

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. The course may include topics such as torture, genocide, economic justice and women's rights.

Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Global Diversity & Citizenship (G). Prerequisite: PHIL110.

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.

Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Global Diversity & Citizenship (G). Prerequisite: PHIL110.

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.

Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Communication (C). Prerequisite: PHIL110.

PHIL 251 - 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.

Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Communication (C). Prerequisite: PHIL110.

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.

Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Communication (C). Prerequisite: PHIL110.

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.

Distribution: GE: Humanities - Philosophy; Advanced | GN: Group A - Philosophy (APH) | Global Diversity and Citizenship (G). Prerequisite: PHIL171 OR PHIL172.

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.

Distribution: Advanced | GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Global Diversity & Citizenship (G). Prerequisite: PHIL171 OR PHIL172.

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.

Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Communication (C). Prerequisite: PHIL110.

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.

Distribution: GE: Humanities - Philosophy | GN: Group A - Philosophy (APH) | Communication (C).

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.

Distribution: Advanced. Prerequisite: PHIL 110 AND PHIL 212.

PHIL 318 - Schopenhauer Kierkegaard Nietz (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.

Distribution: Advanced.

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.

Distribution: Advanced. Prerequisite: PHIL221.

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: PHIL110 AND PHIL231.

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: PHIL110.

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: PHIL110.

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: PHIL110.

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 (ADVD). 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: PHIL110 AND PHIL221 OR PHIL357.

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: PHIL110.

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: PHIL110.

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: PHIL110 AND PHIL356 OR PHIL357.

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 Education in the Commonwealth of Pennsylvania. 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 for 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.

Bachelor of Science Physical Education Teacher Education

PROGRAM FEATURES FOR B.S. IN PHYSICAL EDUCATION TEACHER EDUCATION

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
DANC 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 ____	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 150	Introduction to Teaching All Students	6
PETE 1XX	PETE Activity Course 100 level	1
PETE 100	Fundamental Content Knowledge in Physical Education	2
HLTH 230	Community Health	3
FYE 100	University Studies	3

Subtotal: 18

(PETE 100 is offered in the Fall only)

Spring

CMST 111	GN: Introduction to Communication	3
MATH XXX	GN: MATH	3
PSY 100	GN: General Psychology	3
PETE 1XX	PETE Activity Course 100 level	1
HPLW 105	Health Promotion and Lifetime Wellness	3
PSED 250	The Psychology of Learners In Diverse Communities	3

Subtotal: 16

Sophomore Year

Fall

BIOL 116	GE: Human Anatomy and Physiology I for the Health Sciences	3
	And	
BIOL 117	Human Anatomy and Physiology I Laboratory for the Health Sciences	1
MATH XXX	GN: MATH	3
HLTH 210	Foundations of Health Science	3
REED 350	Teaching Reading to Communities of Diverse Learners	3
HLTH 215	Skills Based Health Education	3
PETE 2XX	PETE Activity Course 200 level	1

Subtotal: 17

Spring

PETE 2XX	PETE Activity Course 200 level	1
EXSC 203	Kinesiology - Mechanical Analysis	3
DANC 111	GN: World Dance	3
SOC 111	GN: Introduction to Sociology	3
HLTH 240	Health Emergencies	3
ENGL 274	Diversity in Literature	3

Subtotal: 16

Junior Year

Fall

EXSC 310	Exercise Physiology I	3

PETE 308	Impacting the Whole Person through Experiential Education	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
HLTH 310	Family Health Education	3
HLTH 341	Nutrition Education	1.5
HLTH 356	Drug and Alcohol Teacher Preparation	1.5

Subtotal: 18

HLTH 310, HLTH 341, HLTH 356: (Fall Only)

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

GenEd ____	General Education Elective	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
HLTH 350	Promoting Emotional Well-Being	3

Subtotal: 18

PETE 309, 310, 343, 344, 345: Students must be screened into the HPE major prior to registering for these PETE courses. HLTH 350 offered in Spring only.

Senior Year

Fall

PETE 400	Physical Education Teaching and Assessing Strategies	3
PETE 442	Movement Experiences for Secondary Education	1
PETE 445	Organization and Administration of Physical Education	2
HLTH 365	School Health Programs	3
HLTH 461	Methods in Health Education	3
HLTH 462	Assessment in School Health Education	3
GenEd ____	General Education elective	3

Subtotal: 18

PETE 400: Renew Act 34, Act 114-FBI fingerprinting, Act 151, Apply to student teach.

Spring

PETE 440	Physical Education Student Teaching	3 - 12
HLTH 431	Student Teaching in Health Education	5 - 12
HLTH 499	School Health Education Internship	1

Subtotal: 13

For more information, contact the department at 570-422-3293 or visit Zimbar-Liljenstein Hall www.esu.edu/pete.

Bachelor of Science PETE Health and Physical Activity - non certification

PROGRAM FEATURES FOR TRACK II: CONCENTRATION IN HEALTH AND PHYSICAL ACTIVITY (NON-CERTIFICATION)

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

Choose 12 credits from the following:

HLTH 310	Family Health Education	3
OR		
HLTH 442	Human Sexuality and Reproductive Health	3
HLTH 340	Nutrition: Concepts and Controversies	3
OR		
HLTH 341	Nutrition Education	1.5
HLTH 355	Drug Abuse & Prevention Education	3
OR		
HLTH 356	Drug and Alcohol Teacher Preparation	1.5
HLTH 415	Determinants of Disease	3
HLTH 432	Death and Dying	3

Required major 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 343	Analysis of Teaching Physical Education	2
PETE 344	Motor Learning and Development	3
PETE 345	Adapted Physical Education	3

PETE 445	Organization and Administration of Physical Education	2
PETE 486	Field Experiences and Internships	3

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)

Gene White (gwhite@esu.edu)

Peng Zhang (pzhang@esu.edu)

Associate Professor:

Mihye Jeong (mjeong@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.

Distribution: GE: Humanities-Performing Arts; Advanced. Prerequisite: FIT140 .

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 sills, 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: PETE100 AND PETE111 AND PETE143.

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: PETE100 OR PETE111 OR PETE120 OR PETE143 OR PETE153 OR PETE453.

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.

Distribution: Advanced. Prerequisite: PETE307 AND PETE341 AND PETE343 AND PETE344.

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.

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

College of Arts and Sciences

The Faculty of Science

Science & Technology Building, Room 320
570-422-3341
www.esu.edu/physics
The Physics department offers baccalaureate degree programs in Physics, Earth and Space Science, General Science, and Secondary Education. These programs are designed to prepare students for post-graduate study and/or careers in teaching and engineering, as well as careers in other fields that require knowledge of physics and/or earth and space science. ESU's Secondary Education programs are accredited by the National Council for Accreditation of Teacher Education.

Four baccalaureate degree programs are offered: a Bachelor of Science in Physics; a Bachelor of Arts in Physics; a Bachelor of Arts in General Science; and a Bachelor of Arts in Earth and Space Science.

Refer to the Earth and Space Science section (p. 168) of this catalog for more information on the degree programs in earth and space science (including the concentration in secondary education).

Refer to the General Science section (p. 214) of this catalog for more information on the degree programs in general science (including the concentration in secondary education).

Are you interested in …

- Studying and uncovering the mysteries of the universe
- Advancing the frontiers of scientific knowledge
- Working with advanced laboratory equipment to achieve these goals
- Figuring out how things work and how to do things better
- Building things
- Sharing your love of science with others
- Encouraging students to discover the world around them

Choose Physics at ESU

- Small class sizes
- Hands-on environment
- Highly qualified and experienced faculty
- Practical field experiences

Is physics a career path for me?

Career Potential

- Physicist
- Engineer
- Astronomer

- Meteorologist
- High School Physics Teacher
- Junior High Physical Science Teacher
- Patent Examiner

Career Settings

- Academia
- Private Industry and Research Labs
- National Labs
- State, Local, and National Governmental Agencies
- Public and Private Schools

Physics B.A.

The Bachelor of Arts in Physics is designed for students who seek a broad background in physics. Students can choose among three concentrations.

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

Required major core courses:

PHYS 161	GN: Physics I	4
PHYS 162	GE: Physics II	4
PHYS 261	Physics III	3
PHYS 333	Advanced Physics Lab I	3
PHYS 361	Physics IV	3
PHYS 495	Senior Capstone	3
PHYS ____	Nine additional credits in Physics 300-level or above	9

Subtotal: 29

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

Additional co-requisite courses:

BIOL 114	GN: Introductory Biology I	4
CHEM 124	GE: General Chemistry II	3
CHEM 126	GE: General Chemistry II Lab	1
CPSC ____	One CPSC course or its equivalent chosen with the consent of the adviser	3

Subtotal: 11

Additional requirements:

- A minimum of a "C-" must be attained in each of the required major and cognate courses.
- A minimum of 9 credits 300-level or above must be taken at East Stroudsburg University.

4 YEAR CURRICULUM PROGRAM PLAN (GENERAL)

(Subject to change by the university without notice)

Freshman Year

Fall

ENGL 103	English Composition	3
PHYS 101	GN: Physical Science - Force, Matter and Energy	3
MATH 135	GN: Pre-Calculus	3
FYE 100	University Studies	3
GenEd ___	General Education Elective (Group C)	3

Subtotal: 15

Spring

XXXX ___	Free Elective	3
CPSC ___	CPSC Elective	3
GenEd ___	General Education Elective (Group A)	3
MATH 140	GN: Calculus I	4
GenEd ___	General Education (Group C)	3

Subtotal: 16

Sophomore Year

Fall

PHYS 161	GN: Physics I	4
CHEM 121	GN: General Chemistry I	3
CHEM 123	GN: General Chemistry I Lab	1
MATH 141	GN: Calculus II	4
HPLW 105	Health Promotion and Lifetime Wellness	3

Subtotal: 15

Spring

PHYS 162	GE: Physics II	4
MATH 240	Multivariate Calculus	4
CHEM 124	GE: General Chemistry II	3
CHEM 126	GE: General Chemistry II Lab	1
GenEd ___	General Education (Group C)	3

Subtotal: 15

Junior Year

Fall

PHYS 261	Physics III	3
PHYS 333	Advanced Physics Lab I	3
BIOL 114	GN: Introductory Biology I	4

GenEd ___	General Education (Group C)	3
GenEd ___	General Education (Group A)	3
		Subtotal: 16

Spring

PHYS 361	Physics IV	3
PHYS ___	Physics Elective	3
XXXX ___	Elective	3
GenEd ___	General Education (Group C)	3
GenEd ___	General Education (Group A)	3
		Subtotal: 15

Senior Year

Fall

PHYS ___	Physics Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	1
		Subtotal: 13

Spring

PHYS ___	Physics Elective	3
PHYS 495	Senior Capstone	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

- **Total Credit Hours: 120**
- For more information, contact Program Coordinator John Elwood at 570-422-3408 or email jelwood@esu.edu.

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

Required major core courses:

PHYS 161	GN: Physics I	4
PHYS 162	GE: Physics II	4
PHYS 261	Physics III	3
PHYS 333	Advanced Physics Lab I	3
PHYS 361	Physics IV	3
PHYS 495	Senior Capstone	3
PHYS ____	Nine additional credits in Physics 300-level or above	9
		Subtotal: 30

Recommended: PHYS 405: The Development of Modern Physical Science

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

Additional co-requisite courses:

BIOL 114	GN: Introductory Biology I	4
CHEM 124	GE: General Chemistry II	3
CHEM 126	GE: General Chemistry II Lab	1
	one CPSC course or its equivalent chosen with the consent of the adviser	
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 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: 61

Please refer to the section The College of Education (p. 55) 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.

4 YEAR CURRICULUM PROGRAM PLAN (SECONDARY EDUCATION)

(Subject to change by the university without notice)

Freshman Year

Fall

If MATH 135 (Pre-Calculus) is needed, it should be taken the first semester. An extra General Education course would then be needed, usually scheduled during the summer.

CPSC XXX	Computer Science Elective	3
FYE 100	University Studies	3
PHYS 101	GN: Physical Science - Force, Matter and Energy	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

ENGL ___	General Education Elective - Group A (2nd English)	3
MATH 140	GN: Calculus I	4
GenEd ___	General Education Elective (Group C)	3
PSED 150	Introduction to Teaching All Students	6
		Subtotal: 16

Sophomore Year

Fall

PSED 250	The Psychology of Learners In Diverse Communities	3
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
HPLW 105	Health Promotion and Lifetime Wellness	3
		Subtotal: 18

Spring

PHYS 162	GE: Physics II	4
MATH 240	Multivariate Calculus	4
CHEM 124	GE: General Chemistry II	3
CHEM 126	GE: General Chemistry II Lab	1
GenEd ___	General Education Elective (Group C)	3
		Subtotal: 15

Junior Year

Fall

SPED 350	Assessment of Student Learning and Behavior in Diverse Communities	3
PHYS 333	Advanced Physics Lab I	3
PHYS 261	Physics III	3
GenEd ___	General Education Elective (Group A)	3
BIOL 114	GN: Introductory Biology I	4
		Subtotal: 16

Spring

PSED 420	Seminar in Secondary Education I: Instructional Structures and Strategies	3
REED 350	Teaching Reading to Communities of Diverse Learners	3
PHYS 361	Physics IV	3
GenEd ___	General Education Elective (Group C)	3
PHYS 495	Senior Capstone	3
PHYS ___	Physics 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
PHYS ___	Physics Elective	3
PHYS ___	Physics Elective	3
GenEd ___	General Education Elective (Group A)	3
GenEd ___	General Education Elective (Group C)	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

- **Total Credit Hours: 129**
- For more information, contact Program Coordinator Robert Cohen at 570-422-3428 or email rcohen@esu.edu.

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

Required major core courses:

PHYS 161	GN: Physics I	4
PHYS 162	GE: Physics II	4
PHYS 201	Statics	3
PHYS 261	Physics III	3
PHYS 333	Advanced Physics Lab I	3
PHYS 361	Physics IV	3
PHYS 495	Senior Capstone	3
PHYS ____	Nine additional credits in Physics 300-level or above	9

Subtotal: 32

Recommended:

PHYS 111	Engineering Graphics	2
PHYS 202	Dynamics	3
PHYS 328	Mathematical Physics	3

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
MATH 341	Differential Equations	3

Subtotal: 19

Recommended:

MATH 320	Linear Algebra	3
CPSC 131	Introduction to Computer Programming II	3

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	3
MATH 135	GN: Pre-Calculus	3
PHYS 101	GN: Physical Science - Force, Matter and Energy	3
ENGL 103	English Composition	3
ECON 111	GN: Principles of Macroeconomics	3
OR		
ECON 112	GN: Principles of Microeconomics	3

Subtotal: 15

Spring

PHYS 111	Engineering Graphics	2
MATH 140	GN: Calculus I	4
ENGL 204	Technical Writing	3
GenEd ___	General Education Elective (Group C)	3
GenEd ___	General Education Elective (Group A)	3

Subtotal: 16

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.

Sophomore Year

Fall

PHYS 161	GN: Physics I	4
MATH 141	GN: Calculus II	4
HPLW 105	Health Promotion and Lifetime Wellness	3
CHEM 121	GN: General Chemistry I	3
CHEM 123	GN: General Chemistry I Lab	1

Subtotal: 15

Spring

PHYS 162	GE: Physics II	4
MATH 240	Multivariate Calculus	4
MATH 220	Discrete Mathematical Structures	3
CMST 111	GN: Introduction to Communication	3
CHEM 124	GE: General Chemistry II	3

CHEM 126	GE: General Chemistry II Lab	1
		Subtotal: 18

Junior Year

Fall

PHYS 201	Statics	3
PHYS 261	Physics III	3
PHYS 333	Advanced Physics Lab I	3
MATH 341	Differential Equations	3
GenEd ___	General Education Elective (Group A)	3
GenEd ___	General Education Elective (Group C)	3
		Subtotal: 18

Spring

PHYS 202	Dynamics	3
MATH 320	Linear Algebra	3
PHYS 361	Physics IV	3
GenEd ___	General Education Elective (Group A)	3
GenEd ___	General Education Elective (Group C)	3
PHYS 495	Senior Capstone	3
		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	4
PHYS 162	GE: Physics II	4
PHYS 240	Basic Electronics	4
PHYS 261	Physics III	3
PHYS 328	Mathematical Physics	3
PHYS 333	Advanced Physics Lab I	3
OR		
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	
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

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
GenEd ___	General Education (Group C)	3
XXXX ___	Elective	3
		Subtotal: 16

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: 15

Spring

GenEd ___	General Education (Group A)	3
GenEd ___	General Education (Group C)	3
PHYS 161	GN: Physics I	4
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
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

- **Total Credit Hours: 120**
- 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

69 credits

Required major core courses:

PHYS 121	GN: Astronomy: The Sky and Solar System	3
PHYS 122	GN: Astronomy: Stars and Galaxies	3
PHYS 124	Observational Astronomy Lab	1
PHYS 161	GN: Physics I	4
PHYS 162	GE: Physics II	4

PHYS 240	Basic Electronics	4
PHYS 261	Physics III	3
PHYS 304	Modern Physical Astronomy	3
PHYS 305	Physics of the Atmosphere	3
PHYS 328	Mathematical Physics	3
PHYS 333	Advanced Physics Lab I	3
OR		
PHYS 334	Advanced Physics Lab II	3
PHYS 361	Physics IV	3
PHYS 315	Computational Physics	3
PHYS 431	Electromagnetic Theory	3
OR		
PHYS 441	Theoretical Mechanics	3
PHYS 495	Senior Capstone	3
XXXX ____	Three credit 300-level or above in Earth and Space Science as approved by advisor	3

Subtotal: 49

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
GEOG 121	GN: Physical Geology	3
GEOG 220	GE: Meteorology	3

Subtotal: 22

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

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 SCIENCE)

(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
PHYS 121	GN: Astronomy: The Sky and Solar System	3
PHYS 124	Observational Astronomy Lab	1

Subtotal: 16

Spring

HPLW 105	Health Promotion and Lifetime Wellness	3
GEOG 121	GN: Physical Geology	3
GenEd ___	General Education Elective (Group A)	3
MATH 140	GN: Calculus I	4
PHYS 122	GN: Astronomy: Stars and Galaxies	3

Subtotal: 16

Sophomore Year

Fall

PHYS 161	GN: Physics I	4
GEOG 220	GE: Meteorology	3
MATH 141	GN: Calculus II	4
CHEM 121	GN: General Chemistry I	3
CHEM 123	GN: General Chemistry I Lab	1

Subtotal: 15

Spring

PHYS 162	GE: Physics II	4
MATH 240	Multivariate Calculus	4
GenEd ___	General Education Elective (Group A)	3
XXXX ___	Elective	3

Subtotal: 14

Junior Year

Fall

PHYS 261	Physics III	3
PHYS 333	Advanced Physics Lab I	3
PHYS 328	Mathematical Physics	3
PHYS 240	Basic Electronics	4

GenEd ___	General Education Elective (Group C)	3
		Subtotal: 16

Spring

PHYS 415	Computational Physics	
PHYS 305	Physics of the Atmosphere	3
GenEd ___	General Education Elective (Group A)	3
GenEd ___	General Education Elective (Group C)	3
PHYS 361	Physics IV	3
		Subtotal: 15

Senior Year

Fall

PHYS 431	Electromagnetic Theory	3
OR		
PHYS 441	Theoretical Mechanics	3
XXXX ___	Elective	3
XXXX ___	Elective	3
GenEd ___	General Education Elective (Group A)	3
GenEd ___	General Education Elective (Group C)	3
		Subtotal: 15

Spring

XXXX ___	Elective	3
XXXX ___	Elective	1
PHYS 495	Senior Capstone	3
XXXX ____	Earth Science Elective	3
PHYS 304	Modern Physical Astronomy	3
		Subtotal: 13

- **Total Credit Hours: 120**
- 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:

PHYS 111	Engineering Graphics	2
PHYS 161	GN: Physics I	4
PHYS 162	GE: Physics II	4
PHYS 201	Statics	3
PHYS 202	Dynamics	3
PHYS 240	Basic Electronics	4
PHYS 261	Physics III	3
PHYS 328	Mathematical Physics	3
PHYS 333	Advanced Physics Lab I	3
OR		
PHYS 334	Advanced Physics Lab II	3
PHYS 361	Physics IV	3
PHYS 315	Computational Physics	3
PHYS 431	Electromagnetic Theory	3
PHYS 495	Senior Capstone	3
		Subtotal: 41

Six Additional Credits from:

PHYS 301	Strength Of Materials	3
PHYS 403	Optics	3
PHYS 411	Thermal Physics	3
PHYS 421	Statistical Physics	3
PHYS 423	Advanced Electronics	4
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 441	Theoretical Mechanics	3
PHYS 471	Special Problems in Physics	3
PHYS 486	Field Experience and Internships	1-18
PHYS 493	Research in Physics	1-18
CHEM 371	Analytical Chemistry I: Quantitative	4
		Subtotal: 6

of which PHYS 486 is preferred.

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
BIOL 114	GN: Introductory Biology I	4
ECON 111	GN: Principles of Macroeconomics	3
OR		
ECON 112	GN: Principles of Microeconomics	3
ENGL 204	Technical Writing	3

CMST 111	GN: Introduction to Communication	3
		Subtotal: 29

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

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

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
ECON 111	GN: Principles of Macroeconomics	3
OR		
ECON 112	GN: Principles of Microeconomics	3
		Subtotal: 15

Spring

PHYS 111	Engineering Graphics	2
ENGL 204	Technical Writing	3
HPLW 105	Health Promotion and Lifetime Wellness	3
MATH 140	GN: Calculus I	4
CMST 111	GN: Introduction to Communication	3
		Subtotal: 15

Sophomore Year

Fall

PHYS 161	GN: Physics I	4
CHEM 121	GN: General Chemistry I	3
CHEM 123	GN: General Chemistry I Lab	1
GenEd ___	General Education Elective (Group A)	3
MATH 141	GN: Calculus II	4
		Subtotal: 15

Spring

PHYS 162	GE: Physics II	4
MATH 240	Multivariate Calculus	4
GenEd ___	General Education Elective (Group C)	3
GenEd ___	General Education Elective (Group A)	3
		Subtotal: 14

Junior Year

Fall

PHYS 261	Physics III	3
PHYS 328	Mathematical Physics	3
PHYS 201	Statics	3
PHYS 240	Basic Electronics	4
GenEd ___	General Education Elective (Group C)	3
		Subtotal: 16

Spring

PHYS 361	Physics IV	3
PHYS 431	Electromagnetic Theory	3
PHYS 202	Dynamics	3
GenEd ___	General Education Elective (Group C)	3
	Elective	3
		Subtotal: 15

Senior Year

Fall

BIOL 114	GN: Introductory Biology I	4
PHYS ___	Physics Elective	3
PHYS 333	Advanced Physics Lab I	3
GenEd ___	General Education Elective	3
XXXX ___	Elective	3
		Subtotal: 16

Spring

PHYS 315	Computational Physics	3
PHYS 495	Senior Capstone	3
PHYS ___	Physics Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	1
		Subtotal: 14

- **Total Credit Hours: 120**
- For more information, contact Program Coordinator Jerry Ross at 570-422-2214 or email jross@esu.edu.

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.

DEGREE REQUIREMENTS

29 credits (12 of which are cognate)

Required courses

PHYS 161	GN: Physics I	4
PHYS 162	GE: Physics II	4
PHYS 261	Physics III	3
	And	
	6 additional credits in PHYS- 300 level or above	

Co-requisites

MATH 140	GN: Calculus I	4
MATH 141	GN: Calculus II	4
MATH 240	Multivariate Calculus	4

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)
The 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)
The 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 II, 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 202 - 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: PHYS161 AND PHYS201 AND MATH141.

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 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).

Distribution: Advanced. Prerequisite: (CPSC 120 or CPSC 130); MATH 141 and (PHYS 132 or PHYS 162 or PHYS 240).

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.

Distribution: Advanced | Level II Writing (W2). Prerequisite: PHYS162 AND ENGL103. Corequisite: PHYS261.

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)
his 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 is a course 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 240 AND MATH 140 AND MATH 141 AND PHYS 162 OR PHYS 132.

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 328 & PHYS 361.

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)
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.

Students must also be aware of the University-wide requirements in this catalog (p. 43). (p. 44)

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: Introduction to Literary Analysis and Interpretation	3
Modern Language	Any Modern Language 116 or 117 course	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

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 Nineteenth Century	3
HIST 143	GN: United States History since 1877	3

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

AMERICAN GOVERNMENT AND POLITICS CONCENTRATION

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 - 3
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: Introduction 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
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
XXXX ___	Elective	3
		Subtotal: 15

Spring

POLS 352	GE: History of Political Theory	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
POLS ____	Political Science Elective	3
		Subtotal: 15

Senior Year

Fall

POLS 468	Strategies for Policy Analysis	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

POLS 495	Seminar	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Political Science B.A.- Concentration: International Relations and Comparative Government

INTERNATIONAL RELATIONS AND COMPARATIVE GOVERNMENT CONCENTRATION

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 223	GN: Developing Countries	3
POLS 322	GE: International Relations	3
POLS 429	Introduction to International Political Economy	3

Subtotal: 9

Choose four of the following: 12 credits

POLS 230	GE: Asia	3
POLS 332	GE: Comparative European Government	3
POLS 333	GE: Africa	3
POLS 343	The Middle East	3
POLS 399	European Union Studies	3
POLS 420	East Asia and Transpacific Relations	3
POLS 438	United States Foreign Policy	3
POLS 441	Introduction to International Security	3
POLS 445	International Law and Organization	3
POLS 453	Modern Western Political Theory	3
POLS 485	IS:	1 - 3
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
FYE 100	University Studies	3
ENGL 103	English Composition	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: Introduction to Literary Analysis and Interpretation	3
MLXX ____	Modern Language 116 or 117	3
HIST ____	HIST 100 Level	3

Subtotal: 15

Sophomore Year

Fall

POLS 223	GN: Developing Countries	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 322	GE: International Relations	3
POLS ____	Political Science Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3

Subtotal: 15

Senior Year

Fall

POLS 429	Introduction to International Political Economy	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3

Subtotal: 15

Spring

POLS 495	Seminar	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3

Subtotal: 15

Political Science B.A. -Concentration: Pre-Law

PRE-LAW CONCENTRATION

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 313	GE: Courts and the Judicial Process	3
POLS 352	GE: History of Political Theory	3
POLS 413	American Constitutional Law	3
		Subtotal: 9

Choose three of the following: 9 credits

POLS 222	GE: Contemporary Political Ideologies	3
POLS 223	GN: Developing Countries	3
POLS 225	GE: Politics through Literature	3
POLS 243	GE: Women And Politics	3
POLS 255	GE: Issues in American Public Policy	3
POLS 293	GE: Public Policy and Administration	3
POLS 312	GE: Political Parties and Politics	3
POLS 314	GE: State and Local Government	3
POLS 325	Racial & Ethnic Politics	3
POLS 414	Constitutional Civil Liberties	3
POLS 416	Administrative Law	3
POLS 435	The Presidency	3
POLS 445	International Law and Organization	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 - 3
POLS 486	Field Experiences and Internships	1 - 12

Directed General Education Courses

PHIL 110	GN: Introduction to Philosophy	3

Choose one

PHIL 221	GN: Logic I	3
OR		
PHIL 238	GE: Philosophy Of Law	3

Choose one

CMST 253	GN: Public Speaking	3
OR		
THTR 102	GN: Acting	3

4 YEAR CURRICULUM PROGRAM PLAN

Freshman

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
HIST ____	HIST 100 Level	3
		Subtotal: 15

Spring

POLS 120	GN: American Government	3
POLS 160	GN: Introduction to Public Administration	3
ENGL 162	GN: Introduction to Literary Analysis and Interpretation	3
PHIL 110	GN: Introduction to Philosophy	3
MLXX ____	Modern Language 116 or 117	3
		Subtotal: 15

Sophomore Year

Fall

PHIL 221	GN: Logic I	3
OR		
PHIL 238	GE: Philosophy Of Law	3
CMST 253	GN: Public Speaking	3
OR		
THTR 102	GN: Acting	3
HPLW 105	Health Promotion and Lifetime Wellness	3
MATH ____	MATH 100 Level	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 313	GE: Courts and the Judicial Process	3
POLS 317	Exploring Politics: Methods and Techniques	3
POLS ____	Political Science Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

POLS 352	GE: History of Political Theory	3
POLS ____	Political Science Elective	3
POLS ____	Political Science Elective	3

XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Senior Year

Fall

POLS 413	American Constitutional Law	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Spring

POLS 495	Seminar	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
XXXX ___	Elective	3
		Subtotal: 15

Political Science B.A. - Concentration: Public Administration

PUBLIC ADMINISTRATION CONCENTRATION

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 293	GE: Public Policy and Administration	3
POLS 416	Administrative Law	3
POLS 466	Public Budgeting & Finance	3
POLS 467	Public Personnel Administration	3
		Subtotal: 12

Choose three of the following: 9 credits

POLS 223	GN: Developing Countries	3
POLS 255	GE: Issues in American Public Policy	3
POLS 313	GE: Courts and the Judicial Process	3
POLS 314	GE: State and Local Government	3
POLS 315	Legal Research	3
POLS 330	Political Communication	3
POLS 332	GE: Comparative European Government	3
POLS 352	GE: History of Political Theory	3
POLS 399	European Union Studies	3
POLS 413	American Constitutional Law	3
POLS 414	Constitutional Civil Liberties	3
POLS 420	East Asia and Transpacific Relations	3
POLS 429	Introduction to International Political Economy	3
POLS 435	The Presidency	3
POLS 445	International Law and Organization	3
POLS 452	American Political Ideas	3
POLS 454	Legislative Process	3
POLS 462	Political Behavior	3
POLS 468	Strategies for Policy Analysis	3
POLS 485	IS:	1 - 3
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
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: Introduction 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

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
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 Minor

The Political Science Minor consists of three separate concentrations. Choose one of the three.

1. Politics and Government Concentration
2. Pre-Law Concentration
3. European Studies Concentration

POLITICS AND GOVERNMENT CONCENTRATION (18 SEMESTER HOURS)

Required courses:

POLS 111	GN: Principles of Political Science	3
POLS 120	GN: American Government	3
POLS ___	12 additional credits of POLS 200 level and above classes	12
		Subtotal: 18

At least six of these credits must be 300 and/or 400 level courses.

PRE-LAW CONCENTRATION (18 SEMESTER HOURS)

Required courses:

POLS 111	GN: Principles of Political Science	3
POLS 120	GN: American Government	3

choose two:

POLS 313	GE: Courts and the Judicial Process	3
POLS 413	American Constitutional Law	3
POLS 416	Administrative Law	3
POLS 445	International Law and Organization	3

Six additional credits of POLS 200 level or above.

Co-requisites:

ENGL 162	GN: Introduction to Literary Analysis and Interpretation	3

Choose one (3 credits):

PHIL 221	GN: Logic I	3
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
MGT 211	Financial Accounting Fundamentals	3

Choose one (3 credits):

CMST 253	GN: Public Speaking	3
THTR 102	GN: Acting	3

EUROPEAN STUDIES CONCENTRATION (18 SEMESTER HOURS)

Required courses:

HIST 272	GN: Modern European History	3

three of the following:

POLS 332	GE: Comparative European Government	3
POLS 399	European Union Studies	3
POLS 445	International Law and Organization	3
POLS 453	Modern Western Political Theory	3

two of the following:

HIST 371	Medieval and Renaissance Europe, 500-1500	3
HIST 382	GE: Modern Britain	3
HIST 473	Modern Germany	3
PHIL 318	Schopenhauer Kierkegaard Nietz	3
PHIL 353	Medieval Philosophy	3
PHIL 356	Rationalists of the 17th and 18th Centuries	3
PHIL 357	Empiricists of the 17th and 18th Centuries	3
PHIL 418	Phenomenology and Existentialism	3
MLSP 444	Cultural History of Spain	3
MLFR 343	French Civilization I	3

or any of the courses in the POLS section not taken for the Political Science requirement for the minor. Nine credits must be at the 300/400 level.

For more information, contact the department at 570-422-3286 or visit Stroud Hall, Room 409 570-422-3286 www.esu.edu/pols.

Political Science Faculty

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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)
Introduction to Public Administration 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 (CPS) |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 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 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.

Distribution: Advanced|Information Literacy/Technology (I). Prerequisite: POLS111 AND POLS120.

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 prognoses 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.

POLS 355 - China: History & Politics (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: 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 first study and 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 politics 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 (ADVD). 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 rule 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 - Public Personnel Administration (3 credits)
Examine career systems, classification and salary administration, staffing, training, evaluation, rights and duties of employees, equal employment, and labor relations.

Distribution: Advanced.

POLS 468 - Strategies for Policy Analysis (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: POLS 111 or POLS 120, ENGL 103; POLS 317 is highly recommended.

Pharmacy Transfer Program

The Faculty of Sciences

See Department of Chemistry and Biochemistry www.esu.edu/chem

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. 55) (p. 57) in this catalog for specific requirements for admission into teacher education.

Secondary Education Certification Preparation

4 YEAR CURRICULUM PROGRAM PLAN

Suggested sequence of required courses:

First year:

PSED 161	Foundations of Education	3
SPED 102	Diversity of the Learner	3

Sophomore year:

PSED 250	The Psychology of Learners In Diverse Communities	3

Junior year:

SPED 350	Assessment of Student Learning and Behavior in Diverse Communities	3
REED 350	Teaching Reading to Communities of Diverse Learners	3
PSED 420	Seminar in Secondary Education I: Instructional Structures and Strategies	3

PSED 420: (2.8 QPA required)

and one content methods course from the list below:

PSED 406	Teaching of English in the Secondary Schools	3
PSED 416	Teaching of Foreign Language	3
PSED 436	Teaching of Mathematics in the Secondary Schools	3
PSED 446	Teaching of Science in the Secondary Schools	3
PSED 458	Teaching of Social Studies in the Secondary Schools	3

Senior year

First semester:

PSED 421	Seminar in Secondary Education II: Teaching Secondary Students In Diverse,	3

	Inclusive Classroom	

PSED 421: (2.8 QPA and department screening required)

Second semester:

PSED 430	Student Teaching in Secondary Education/ Middle School/Junior High School	6
PSED 431	Student Teaching in Secondary Education/ Senior High School	6
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:

Dlane 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.

Distribution: Advanced. Prerequisite: PSED150 AND PSED250. Crosslisted as: SPED 244.

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 364 - 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.

Distribution: Advanced. Prerequisite: PSED161 AND PSED242.

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 406 - 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 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: Advanced. Prerequisite: PSED150 AND PSED250 AND REED350 AND SPED350.

PSED 421 - Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom (3 credits)
Students will examine the knowledge, skills, attitudes, and behaviors that are necessary to teach in a culturally and linguistically diverse and inclusive setting. Students will learn to respond to secondary students' individual needs and apply appropriate evidence-based instructional and non-academic recommendations and interventions. The course requires a 30-hour field component in an inclusive classroom and also incorporates experiences with ELLs.

Distribution: Advanced. Prerequisite: PSED150 AND PSED250 AND SPED350 AND REED350 AND PSED420 unless in PDS. Admitted to teacher Education Program and permission of instructor.

PSED 424 - Teaching English Language Learners in the Diverse Classroom Setting (3 credits)
Students will examine the knowledge, skills, attitudes, and behaviors that are necessary to teach in a culturally and linguistically diverse and inclusive setting. Students will learn to respond to secondary students' individual needs and apply appropriate evidence-based instructional and non-academic recommendations and interventions. The course requires a 30-hour field component in an inclusive classroom and also incorporates experiences with ELLs.

Distribution: Advanced. Prerequisite: PSED150 AND PSED250 unless in PDS. Admitted to teacher Education Program and permission of instructor.

PSED 430 - Student Teaching in Secondary Education/ Middle School/Junior High School (6 credits)
This course provides the understanding for and appreciation of linguistic and cultural diversity, and enhances the knowledge and skills of teachers working with culturally and linguistically divers students in the classroom. The areas of emphasis include: a) the legal, historical and cultural implications of ELLs in the mainstream classroom and difference 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 ESL Specialist endorsement).

Distribution: Advanced | Information Literacy/Technology (I). Prerequisite: PSED 150 and PSED 250 and program admittance; ECED 232,263 and program admittance (ECED/ ELED majors).

PSED 431 - Student Teaching in Secondary Education/ Senior High School (6 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 | Information Literacy/Technology (I).

PSED 436 - Teaching of Mathematics in the Secondary Schools (3 credits)
This course deals with new mathematics programs and evaluation, trends, and research in the teaching of mathematics, routine procedures in the mathematics classroom, lesson plans and teaching units, and effective techniques applied to selected topics in mathematics.

Distribution: Advanced. Prerequisite: PSED161 AND PSED242.

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 PSED242.

PSED 442 - Discipline in the Classroom (3 credits)
This program is designed for participants to take part in learning activities that will enable them to develop positive techniques for handling student behavior problems. This course is aimed at training teachers to use Reality Therapy as a tool in the classroom. It addresses one of the major concerns of the public school's classroom control and behavior change. Since this course is also offered for graduate credit, a differentiation of requirements will be made.

Distribution: Advanced. Prerequisite: PSED161 AND PSED242.

PSED 443 - Theory and Practice of Schools without Failure I (3 credits)
This course offers participants an opportunity to investigate the effects of school success and failure on the life of a child. Study of these concepts will be taken from the points of view of William Glasser, M.D., in his books Schools Without Failure, Identity Society, and Reality Therapy. Participants will be introduced to a hybrid teaching style designed to elevate teaching to maximize learning in the classroom. Since this course is also offered for graduate credit, a differentiation of requirements will be made.

Distribution: Advanced. Prerequisite: PSED161 AND PSED242.

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: PSED441 AND PSED442.

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 int he secondary classroom. 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 presumes 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 of 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 presumes 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: PSED161 AND PSED242.

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 those 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: PSED 161, 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 both a Bachelor of Arts in Psychology degree and a Bachelor of Science in Psychology degree. Both programs prepare students for graduate study in Psychology.

The **Bachelor of Arts program** is generalized and flexible. In addition to providing a good foundation of basic knowledge about psychological processes, it allows students the flexibility to explore several of the diverse topics included in Psychology, or to concentrate their studies on several courses in one specific area.

- 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.A.

This degree program is generalized and flexible. In addition to providing a good foundation of basic knowledge about psychological processes, it allows students the flexibility to explore several of the diverse topics in Psychology or concentrate several courses in one specific area.

PROGRAM FEATURES

34-35 credits

Required courses:

PSY 100	GN: General Psychology	3
PSY 201	Quantitative Psychology	3
PSY 202	Experimental Psychology	3
PSY 311	Physiological Psych	4
PSY 321	Theories Of Personality	3
PSY 410	Perspectives in Psychology	3

one of:

PSY 302	Theories Of Learning	3
PSY 401	History Of Psychology	3

and nine additional credits in Psychology.

Co-requisite course:

BIOL 111	GE: Human Anatomy and Physiology I	4

Additional Requirements:

- "C" or better in all Psychology courses (all Psychology used for this major). The last fifteen credits of Psychology courses required for this program including all 300 and 400 level Psychology courses, must be taken at East Stroudsburg University.
- Must complete a second level Modern Language course.
- Also, please read university requirements found in this catalog (p. 43).

4 YEAR CURRICULUM PROGRAM PLAN

(*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

Spring

PSY 201	Quantitative Psychology	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
		Subtotal: 15

Sophomore Year

Fall

PSY 202	Experimental 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

Spring

PSY ____	Psychology Specialty Course	3
PSY ____	Psychology Specialty Course	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
GenEd ___	General Education Elective	3
		Subtotal: 15

Junior Year

Fall

PSY ____	Psychology Elective	3
PSY ____	Psychology Elective	3
XXX ____	Upper Division Elective	3
ML__ ____	Modern Language I	3

and select one of the following:

BIOL 105	GN: General Biology	3
BIOL 111	GE: Human Anatomy and Physiology I	4
BIOL 114	GN: Introductory Biology I	4
CHEM 115	GN: Chemistry, Molecules and Life	3
		Subtotal: 15-16

Spring

PSY ____	Psychology Elective	3
PSY ____	Psychology Elective	3
PSY ____	Psychology Elective	3
ML__ ____	Modern Language II	3
XXX ____	Upper Division Elective	3
		Subtotal: 15

Senior Year

Fall

PSY 311	Physiological Psych	4
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: 16

Spring

PSY 410	Perspectives in Psychology	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

Total Credit Hours: 120

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:

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 three additional non-general education psychology courses

any three except:

PSY 105	GN: Infant and Early Childhood Developmental Psychology	3
PSY 220	GN: Social Psychology	3
PSY 222	GN: Psychology of Adjustment	3
PSY 225	GN: Lifespan Developmental Psychology	3

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:

Select nine credits from the following:

PSY 401	History Of Psychology	3
PSY 409	Research In Psychology	1 - 3
PSY 410	Perspectives in Psychology	3
PSY 461	Tests And Measures	3
PSY 452	Group Processes in Counseling	3
PSY 486	Field Experiences and Internship	1 - 15

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. (p. 43)

4 YEAR CURRICULUM PROGRAM PLAN: APPLIED PSYCHOLOGY 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

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

Spring

PSY ____	Psychology - Socio-cultural Based	3
PSY ____	Psychology 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

Senior Year

Fall

PSY 410	Perspectives in Psychology	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

Spring

PSY 409	Research In Psychology	1 - 3
PSY 486	Field Experiences and Internship	1 - 15
XXXX ____	Psychology or Upper-Division Elective	3
XXXX ____	Psychology or Upper-Division Elective	3
XXXX ____	Psychology or Upper-Division Elective	3
		Subtotal: 15

Total Credit Hours: 120

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. (p. 43)

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

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 351	Abnormal Psychology	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 - Socio-cultural Based	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

Spring

PSY 452	Group Processes in Counseling	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

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

Spring

PSY 484	Mental Health Practice	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

Total Credit Hours: 120

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	1 - 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. (p. 43)

4 YEAR CURRICULUM PROGRAM PLAN: RESEARCH 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

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 - Socio-cultural Based	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 - Biological Based	3-4
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
GenEd ___	General Education Elective	3
		Subtotal: 15-16

Junior Year

Fall

PSY ____	Psychology - Biological Based	3
XXXX ____	Psychology or Upper-Division Elective	3
XXXX ____	Psychology or Upper-Division Elective	3
PSY 401	History Of Psychology	3
GenEd ____	General Education Elective	3
		Subtotal: 15

Spring

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
XXXX ____	Psychology or Upper-Division Elective	3
		Subtotal: 15

Senior Year

Fall

PSY 410	Perspectives in Psychology	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

Spring

PSY 409	Research In Psychology	1 - 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

Total Credit Hours: 120

Psychology Minor

This program is designed for majors in related disciplines who desire to complement their academic studies and/or career preparation with extended study of psychology. Course selections shall be made in conjunction with a psychology faculty member's consultation and approval.

At least one half of the credit hours required for this program must be completed at East Stroudsburg University. In order to receive a minor in psychology, a student must receive a grade of "A," "B" or "C" in all courses which count as part of the minor.

PROGRAM FEATURES

18 credits

Required courses -

PSY 100	GN: General Psychology	3
PSY 321	Theories Of Personality	3

either:

PSY 222	GN: Psychology of Adjustment	3
PSY 351	Abnormal Psychology	3

one of:

PSY 302	Theories Of Learning	3
PSY 311	Physiological Psych	4
PSY 402	Cognitive Processes	3

two of:

PSY 220	GN: Social Psychology	3
PSY 225	GN: Lifespan Developmental Psychology	3
PSY 271	Forensic Psychology	3
PSY 291	Human Sexual Behavior	3
PSY 294	Psychology of Minority Groups	3
PSY 320	Social Psychology: Theories, Research and Application	3

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

Required courses:

SOSW 325	Crisis Intervention	3
PSY 251	GE: Psychological Disorders	3
OR		
PSY 351	Abnormal Psychology	3
PSY 321	Theories Of Personality	3
SOSW 371	Social Work with Individuals and Families	3
OR		
PSY 451	Introduction to Counseling	3

Subtotal: 12

Subtotal: 0

Psychology Faculty

Professors:

Paul Bartoli (pbartoli@esu.edu)

Renee Boburka (rboburka@esu.edu)

Jyh-Hann (John) Chang (jchang@esu.edu)

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Bonnie Green (bgreen@esu.edu)

Associate Professor:

Irina Khusid (ikhusid@esu.edu)

PSY - Psychology Courses

PSY 100 - GN: General Psychology (3 credits)
This course includes an introduction to the science of 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|GN: Group B - Psychology (BPS).

PSY 101 - GN: Introduction to Psychology (3 credits)
This course provides the student 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 phenomenon.

Prerequisite: PSY100 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: GE:Natural Sciences-Psychology; Advanced|GN: Group B - Psychology (BPS). Prerequisite: PSY100 ORPSY101.

PSY 222 - GN: Psychology of Adjustment (3 credits)
This course is a functional approach to the problem of how humans acquire their distinctive ways of adjusting, favorably or unfavorably, to the total environment. It includes adjustment as a biosocial process, varieties of adjustive behavior, personality, and types of therapy and applications.

Distribution: GE:Natural Sciences-Psychology|GN: Group B - Psychology (BPS)|Advanced. Prerequisite: PSY100 OR PSY101.

PSY 225 - GN: Lifespan Developmental Psychology (3 credits)
Lifespan developmental psychology is the study of how and why people change over time as well as how and why they remain the same from conception through old age. More specifically this course takes an interdisciplinary look at development from the social science fields of anthropology, sociology, and psychology and from the natural science discipline of biology. This broader approach provides insights

Distribution: GE:Natural Sciences-Psychology|GN: Group B - Psychology (BPS)|Advanced. Prerequisite: PSY100 OR PSY101.

PSY 236 - GN: Positive Psychology (3 credits)
This course introduces students to theories and research in psychology that examine topics relevant to the nature of happiness, human fulfillment, human potential and psychological well-being. Topics covered in this course will include the nature, history and figure of positive psychology,

psychological research methods, authenticity, joy, happiness, positive thinking, emotional intelligence, intuition, character strengths, core values, virtues, talents, health and social justice.

Distribution: GN: Group B - Psychology (BPS). Prerequisite: PSY 100 or 101.

PSY 251 - GE: Psychological Disorders (3 credits)
This course is designed to introduce students to the major classification of psychological disorders in accordance with the Diagnostic and Statistical Manual. The course will emphasize the symptomatology and prevailing treatment modalities that are characterized with each disorder.

Distribution: GE:Natural Sciences-Psychology. Prerequisite: PSY 100 or PSY 101.

PSY 271 - Forensic Psychology (3 credits)
This course introduces the student to the relationship between the field of psychology and the criminal justice system in the U.S. The approach is interdisciplinary in nature and intended for those interested in social science, behavioral science, law, and criminal justice, as well as practitioners in the criminal justice system.

Distribution: Advanced. Prerequisite: PSY100 OR PSY101.

PSY 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.

PSY 291 - Human Sexual Behavior (3 credits)
This course examines the role of sexual behavior and attitudes in interpersonal relations, and individual psychodynamics in the attainment of full human potential. It includes an analysis of atypical sexual behavior from psychoanalytic, humanistic, social, cognitive and behavioristic viewpoints; Psychotherapy of/and human sexual dysfunction.

Distribution: Advanced. Prerequisite: PSY100 OR PSY101.

PSY 292 - Psychology Of Women (3 credits)
This course will focus on critical research issues concerning the female experience from birth to old age. It will examine the changing roles of women in contemporary society in addition to myths and stereotypes concerning women.

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, ethnocentricism, 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: PSY321.

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 AND PSY321.

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.

Distribution: Advanced | Level III Writing (W3). Prerequisite: PSY100 OR PSY101; AND PSY201 AND PSY202.

PSY 451 - Introduction to Counseling (3 credits)
An overview of the field of counseling; counseling theory, techniques, and issues are discussed. Emphasis is placed on individuals and groups whose problems of choice, decision, and adjustment fall within the normal range. Educational and emotional and social counseling are examined in relation to the role of the counselor in the community.

Distribution: Advanced. Prerequisite: PSY100 or PSY101 AND PSY321 AND PSY351.

PSY 452 - Group Processes in Counseling (3 credits)
This course presents the principles and techniques of groups used 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)

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.

Accreditation

National accreditation was received in 1983 and has been maintained since that time. The accreditation organization is the Council of Accreditation for Park, Recreation, Tourism and related Professions (COAPRT), of the National Recreation and Park Association (NRPA).

Students graduating from this program are immediately eligible to sit for the examination to become a Certified Park and Recreation Professional (CPRP), a professional certification program of NRPA.

Professional Organizations

Professional organizations such as NRPA and the Pennsylvania Recreation and Park Society (PRPS) offer information on career opportunities. More specific information on the career option of commercial recreation and event planning is available from the Resort and Commercial Recreation Association (RCRA), as well as the International Special Event Society (ISES). If you are interested in an outdoor recreation career option, another source of career information is the National Association for Interpretation (NAI).

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?

Career Potential

- Event Planner
- Park Ranger/Park Manager
- Resort Recreation Director
- Camp Director
- Community Recreation Director

Career Settings

- Resorts
- Ski areas
- Theme parks (Walt Disney World)
- Wedding venues
- National and State Parks
- Environmental education centers
- Youth camps
- Outdoor adventure facilities

More detailed career information is available from the department and its website.

Recreation Services Management B.S.

PROGRAM FEATURES

48 RECR credits and 12 co-requisite credits

Required courses:

RECR 150	Introduction to Recreation and Leisure Services	3
RECR 151	Recreation Leadership	3
RECR 260	Recreation Services for Persons with Disabilities	3
RECR 270	Recreation in Commercial Settings	3

RECR 281	Outdoor Recreation and Park Management	3
RECR 350	Special Event and Program Planning	3
RECR 351	Management of Recreation Organizations I	3
RECR 352	Management of Recreation Organizations II	3
RECR 450	Recreation Areas and Facilities	3
RECR 486	Internship	12 - 15 Semester hours arranged

3 of the 4 practicum courses –

RECR 390	Therapeutic Practicum	1
RECR 391	Outdoor Practicum	1
RECR 392	Commercial Practicum	1
RECR 393	Community Practicum	1

at least six additional semester hours from the following:

RECR 261	Leisure and Aging	3
RECR 280	Outdoor/Environmental Education	3
RECR 361	Clinical Aspects of Therapeutic Recreation	3
RECR 362	Therapeutic Recreation Interventions	3
RECR 371	Marketing for Commercial Recreation Enterprises	3
RECR 380	Coastal and Marine Recreation	3
RECR 381	Issues in Park Management	3
RECR 382	The U.S. National Park System	3
RECR 460	Concepts and Issues in Therapeutic Recreation	3
RECR 470	Ski Area Management	3
RECR 471	Seminar in Commercial Recreation	3
RECR 480	Park Resources Interpretation	3
RECR 485	Independent Study:	3

Co-requisite courses:

CMST 111	GN: Introduction to Communication	3
OR		
CMST 253	GN: Public Speaking	3
ENGL 203	GN: Advanced Composition	3
HLTH 240	Health Emergencies	3
CPSC 100	GN: Personal Computers and Their Uses	3

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. (p. 43)

SUGGESTED SEQUENCE OF REQUIRED COURSES:

Freshman Year:

RECR 150	Introduction to Recreation and Leisure Services	3
RECR 151	Recreation Leadership	3
RECR 260	Recreation Services for Persons with Disabilities	3

Sophomore Year:

RECR 270	Recreation in Commercial Settings	3
RECR 281	Outdoor Recreation and Park Management	3

Junior Year:

RECR 350	Special Event and Program Planning	3
RECR 351	Management of Recreation Organizations I	3
RECR 352	Management of Recreation Organizations II	3
RECR ___	2 RECR Practicums	2
RECR ___	2 RECR Electives	6

Senior Year:

RECR 450	Recreation Areas and Facilities	3
RECR ___	RECR Practicum	1
RECR 486	Internship	12 - 15 Semester hours arranged

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

Freshman Year

Fall

RECR 150	Introduction to Recreation and Leisure Services	3
RECR 151	Recreation Leadership	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
GenEd ___	General Education Elective	3

Subtotal: 15

Spring

RECR 260	Recreation Services for Persons with Disabilities	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
GenEd ___	General Education Elective	3

Subtotal: 15

Sophomore Year

Fall

RECR 270	Recreation in Commercial Settings	3

GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
		Subtotal: 15

Spring

RECR 281	Outdoor Recreation and Park Management	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

RECR 351	Management of Recreation Organizations I	3
RECR ___	Recreation Elective	3
RECR 391/392/393	Recreation Practicum	1
HLTH 240	Health Emergencies	3
GenEd ____	General Education Elective	3
XXXX ___	Free Elective	3
		Subtotal: 16

Spring

RECR 350	Special Event and Program Planning	3
RECR 352	Management of Recreation Organizations II	3
RECR ___	Recreation Elective	3
RECR 391/392/393	Recreation Practicum	1
XXXX ___	Free Elective	3
XXXX ___	Free Elective	3
		Subtotal: 16

Senior Year

Fall

RECR 450	Recreation Areas and Facilities	3
RECR 391/392/393	Recreation Practicum	1
XXXX ____	Free Electives	12
		Subtotal: 16

Spring

RECR 486	Internship	12 - 15 Semester hours arranged
		Subtotal: 12-15

Total Credit Hours: 120

For more information, contact the department by calling 570-422-3305 or visit DeNike Room 231 or www.esu.edu/rsm.

Minor in Park Management

18 credits

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

Requirements List

RECR 281	Outdoor Recreation and Park Management	3
RECR 351	Management of Recreation Organizations I	3
RECR 381	Issues in Park Management	3
RECR 450	Recreation Areas and Facilities	3

Select two electives from

RECR 380	Coastal and Marine Recreation	3
RECR 382	The U.S. National Park System	3
RECR 480	Park Resources Interpretation	3

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 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.

Distribution: Advanced. Prerequisite: RECR 150 AND RECR 270.

RECR 471 - Seminar in Commercial Recreation (3 credits)
This course will provide discussion and intensive study of issues, topics, trends, and problems within the field of commercial recreation.

Distribution: Advanced. Prerequisite: RECR 150, RECR 270, AND MGT 211.

RECR 480 - Park Resources Interpretation (3 credits)
This course prepares the student to develop and to supervise interpretive services for natural, historic, and cultural resources in park settings. The lab concentrates on interpretive skills including displays, publications, exhibits, interpretive walks, presentations, and the development of facilities including interpretive trails.

Distribution: Advanced. Prerequisite: RECR 281 and RECR 351.

RECR 485 - Independent Study: (3 credits)
This course is available for one, two, or three credits with five hours faculty involvement per credit on topics approved by the department and not regularly listed in the catalog.

Distribution: Advanced.

RECR 486 - Internship (12 - 15 credits Semester hours arranged)

Distribution: Advanced. Prerequisite: Recreation majors only; senior status (90 or more credits); overall and major GPA of 2.25; completion of three practicums.

Rehabilitative and Human Services

College of Education

Stroud Hall Room 105
570-422-3558
www.esu.edu/sped

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 facilitiesMore detailed information is available from the department.

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 developmental 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:

SPRE 100	Foundations of Human Services	3
SPED 102	Diversity of the Learner	3
SPED 105	Special Education History and Law	3
SPRE 201	Community Rehabilitative Services	3
SPRE 214	Positive Behavior Support	3
SPRE 300	Developing Integrated Employment Opportunities	3
SPRE 301	The Vocational Rehab Process	3
SPRE 310	Recreation and Leisure for Individuals with Disabilities	3
SPRE 315	Transition School to Adulthood	3
SPRE 318	Current Issues in Psychiatric Rehabilitation	3
SPRE 320	Advanced Issues in Disability Studies	3
SPRE 486	Field Experience & Internship	12
SPRE 487	Internship Practicum	1

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

Subtotal: 0

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

(Subject to change by the university without notice)

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

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
	Fitness Elective	1
		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
	Fitness Elective	1
		Subtotal: 16

Spring

SPRE 486	Field Experience & Internship	12
SPRE 487	Internship Practicum	1
		Subtotal: 13

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.

Total Credit Hours: 120

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 (cdipipi-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: SPRE100 AND SPRE200 AND SPRE201 AND SPRE105.

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 Department Chairperson. Intern supervision will be provided 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.

Social Studies

College of Arts and Sciences

The Faculty of Social Studies

www.esu.edu/history
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 Commonwealth of Pennsylvania has established new requirements for all candidates in teacher preparation programs. Please refer to the section The College of Education (p. 55) in this catalog for specific requirements for admission into teacher education programs.

Please see the university requirements in this catalog. (p. 43) This program requires 129 credits.

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 Nineteenth 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/Junior 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

(Subject to change by the university without notice)

Freshman Year

Fall

HIST 141	GN: United States History to 1877	3
OR		
HIST 142	The United States as a Developing Nation in the Nineteenth Century	3
ENGL 103	English Composition	3
HIST 111	GN: World History to 1500	3
OR		
HIST 112	GE: Modern World Civilization, 1300-1914	3
PSED 150	Introduction to Teaching All Students	6
	FIT Elective	1

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
ECON 112	GN: Principles of Microeconomics	3
OR		
SOC 102	GN: Introduction to Cultural Diversity	3
PSED 420	Seminar in Secondary Education I: Instructional Structures and Strategies	3
POLS ____	Political Science Elective	3
		Subtotal: 18

Senior Year

Fall

HIST 495	Seminar: Historical Research and Presentation	3
HIST ___	HIST Elective	3
PSED 421	Seminar in Secondary Education II: Teaching Secondary Students In Diverse, Inclusive Classroom	3
PSED 458	Teaching of Social Studies in the Secondary Schools	3
GN:____	General Education - Natural Science	3
		Subtotal: 15

Spring

HIST 499	Student Teaching Internship	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

Total Credit Hours: 129

Department of History

570-422-3286
www.esu.edu/hist

Social Work

College of Arts and Sciences

The Faculty of Social Sciences

The Social Work Program is housed within the Department of Sociology, Social Work & Criminal Justice

Stroud Hall, Room 101
570-422-3453
www.esu.edu/soc

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 with three minors in Sociology, Social Work, and Criminal Justice. It also jointly offers a Certificate in Crisis Intervention with the department of Psychology.

The mission of the Bachelor of Science in Social Work (BSSW) Program includes providing students with the educational background necessary to become competent generalist social work practitioners and ensuring that BSSW graduates have the preparation essential to successfully pursue graduate study in social work.

The goals of the Program are to:

1. Prepare students for competent generalist social work practice that promotes human and community well-being, and embraces a person and environment construct through the program emphasis on the requisite knowledge, professional values and skills.
2. Serve as a resource to the community which is accomplished in several ways including:
   a. Engaging in scientific inquiry with local and regional community partners that seeks to expand knowledge, improve service delivery, enhance quality of life, and advance human rights.
   b. Contributing social work interns and program graduates to the community that are prepared to address the needs within it.
3. Prepare baccalaureate-level social workers for generalist practice that is committed to utilizing a strengths perspective.

East Stroudsburg University was granted Council on Social Work Education (CSWE) Initial Accreditation of the Bachelor of Science in Social Work (BSSW) Program in June 2015. The program received CSWE Reaffirmation of its accreditation for eight years in June 2019.

This program is offered by the Department of Sociology, Social Work and Criminal Justice.

Is social worker a career path for me?

Career Potential

- Social Worker in an array of social and human services delivery systems
- Crisis Intervention Worker
- Case Manager
- Social Researcher
- Community Organizer

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

More detailed career information is available from the department.

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.

Please see the university requirements in this catalog.

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
SOC 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

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
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. 43) (p. 44)

4 YEAR CURRICULUM PROGRAM PLAN

(Subject to change by the university without notice)

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
XXXX ___	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
XXXX ___	Free Elective	3
XXXX ___	Free Elective	3
		Subtotal: 15

Senior Year

Fall

SOSW 483	Social Work Practice & Skills I	6
SOSW ____	Social Work Elective	3
XXXX ___	Free Elective	3
XXXX ___	Free Elective	3
		Subtotal: 15

Spring

SOSW 484	Social Work Practice & Skills II	6
XXXX ___	Free Elective	3
XXXX ___	Free Elective	3
XXXX ___	Free Elective	3
		Subtotal: 15

Total Credit Hours: 120

For more information, contact the department at 570-422-3453. Stroud Hall, Room 101 570-422-3453 www.esu.edu/soc.

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:

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	1 - 15

Electives:

6 credit hours 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

SOC 111	GN: Introduction to Sociology	3

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

Required courses:

SOSW 325	Crisis Intervention	3
PSY 251	GE: Psychological Disorders	3
OR		
PSY 351	Abnormal Psychology	3
PSY 321	Theories Of Personality	3
SOSW 371	Social Work with Individuals and Families	3
OR		
PSY 451	Introduction to Counseling	3

Subtotal: 0

Social Work Faculty

Professors:

Laurene Clossey (lclossey@esu.edu)

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Instructors:

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Lloyd Lyter (llyter@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 will introduce 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. .

SOSW 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: SOSW 140.

SOSW 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), SOSW 140 (C), and SOSW 220 (C). Crosslisted as: SOCJ 355.

SOSW 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: SOSW140.

SOSW 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: SOSW140 AND SOSW371.

SOSW 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: SOSW140 AND SOSW371.

SOSW 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: SOSW 140, SOSW 371, SOSW 372, SOSW 373.

SOSW 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 SOSW 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: SOSW140, SOC 310, SOC 311, SOSW 371, SOSW 372, SOSW 373, SOSW 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

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 (p. 43)

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

(Subject to change by the university without notice)

Freshman Year

Fall

SOC 111	GN: Introduction to Sociology	3
ENGL 103	English Composition	3
FYE 100	University Studies	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3

Subtotal: 15

Spring

SOC 241	GN: Contemporary Social Problems	3
CMST 111	GN: Introduction to Communication	3
HPLW 105	Health Promotion and Lifetime Wellness	3
GenEd ____	General Education Elective	3
GenEd ____	General Education Elective	3

		Subtotal: 15

Sophomore Year

Fall

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

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
XXXX ___	Free 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

Spring

SOC 495	Seminar	3
XXXX ____	Free Electives	12
		Subtotal: 15

Total Credit Hours: 120

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 Sociological Theory. The remaining two courses in the minor are electives that can be taken in any of several areas of study within the field of Sociology.

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)
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
OR		
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	1 - 15

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)
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Associate Professors:

- Marianne Cutler (mcutler@esu.edu)

- Michelle Deninno DiLauro (mdilauro@esu.edu)
- Darla Drummond Darno (ddarno@esu.edu)
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Assistant Professor:

- Scott Mathers (smathers1@esu.edu)

SOC - Sociology Courses

SOC 102 - GN: Introduction to Cultural Diversity (3 credits)
This course provides a cross-cultural study of all human behaviors and social arrangements in contemporary cultures. Topics surveyed include race and ethnicity; language; gender and sexuality; age and kinship roles; religion and spiritual life; marriage and the family; political and economic behavior; globalization and cultural change; and the arts. The main focus will be on the application of the anthropological perspective and methods for understanding social and cultural differences and similarities.

Distribution: GE:Social Sciences - Sociology | GN: Group C - Sociology (CSO) | Global Diversity & Citizenship (G).

SOC 111 - GN: Introduction to Sociology (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 201 - GN: The Comparison of Societies (3 credits)
This class is designed to introduce students to a sociological and cross-disciplinary understanding of major ideas, institutions, and historical events that have shaped human societies. Selected societies in Asia, the Middle East, Africa, Latin America and Europe will be studied. The class will focus on various social and cultural issues, such as family and religion, racial and gender relations, deviance, immigration, and social stratification systems. To facilitate cross-cultural understanding and awareness, students will be asked to read broadly on subjects relating to the lives of people from different societies and to reflect on their own experience.

Distribution: GE:Social Sciences - Sociology | GN: Group C - Sociology (CSO) | Global Diversity & Citizenship (G). Prerequisite: SOC111.

SOC 231 - GN: Marriage and Family (3 credits)
This course examines the "family" in its various forms. Special attention will be placed on an analysis of the family as an ideological construct that upholds lines of difference according to race, class, gender, and sexual identity. Family change is studied throughout the course, including shifts in patterns of dating and courtship, cohabitation, the division of both paid and unpaid labor, divorce and blended families.

Distribution: GE:Social Sciences - Sociology | GN: Group C - Sociology (CSO) | Global Diversity & Citizenship (G).

SOC 241 - 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 254 - 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: Advanced. Prerequisite: SOC111; satisfaction of Math Competency Requirement.

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 280 - Sociological Perspectives in Globalization (3 credits)
This course examines globalization and its impact on societies, cultures, social groups, communities and the everyday life of individuals. It applies sociological perspectives to study globalization and its impact on issues such as workers and global migration, the livelihood of indigenous people, the role & status of women, food production and hunger, the spread and treatment of disease, and the depletion of environment.

Distribution: GE:Social Sciences - Sociology | GN: Group C - Sociology (CSO) | Global Diversity & Citizenship (G). Prerequisite: SOC111.

SOC 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.

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, SOCJ150 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 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 reformative 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.

Distribution: Advanced.

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. 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 then be approved by the members of the Department. A minimum of five (5) hours per credit of exclusive time with the supervising faculty member will be made available to the student.

Distribution: Advanced.

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, sociological writings, and 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, sociological writings, and 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 developmental 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 (p. 55) 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:

ENGL 104	English Composition for Secondary English and Middle Level Education Majors	3
ENGL 188	GN: Mystery Fiction	3
ENGL 190	GN: Multicultural American Literature	3
BIOL 105	GN: General Biology	3
CHEM 115	GN: Chemistry, Molecules and Life	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
PHYS 105	GN: Physics for the Inquiring Mind	3
ECON 111	GN: Principles of Macroeconomics	3
GEOG 120	GN: Physical Geography	3
HIST 111	GN: World History to 1500	3
HIST 141	GN: United States History to 1877	3

Required Professional Education courses:

PSED 161	Foundations of Education	3
PSED 244	Adolescent Psychology	3
REED 315	Scaffolding Language and Literacy Development for Students with Disabilities	3
REED 340	Teaching Reading in the Middle School	3
REED 350	Teaching Reading to Communities of Diverse Learners	3
MATH 110	GN: General Statistics	3
MATH 130	GN: Applied Algebraic Methods	3
MATH 135	GN: Pre-Calculus	3
ENGL 412	Teaching of Writing in the Secondary and Middle Schools	3
ENGL 499	Student Teaching Internship	1

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

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
XXXX ___	Major Concentration #2	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
XXXX ___	Major Concentration #5	3

Subtotal: 18

Humanities General Education Elective: (Fine or Performing Arts, Modern Language or Philosophy)

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

Humanities General Education Elective: (Fine or Performing Arts, Modern Language or Philosophy)

Spring

ELED 430	Student Teaching in Elementary Education	6
	And	
SPED 420	Student Teaching in Special Education - Part I	6
OR		
PSED 430	Student Teaching in Secondary Education/ Middle School/Junior High School	6
	And	
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

Total Credit Hours: 135

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

Required courses:

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 351	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
ECED 413	Science for the Developing Child	3
ECED 420	Advocacy, Leadership and Collaboration	1
		Subtotal: 16

Spring

ECED 331	Teacher as Researcher	3
SPED 420	Student Teaching in Special Education - Part I	6
ECED 430	Student Teaching in Early Childhood Education I	6
		Subtotal: 15

Total Credit Hours: 135

For more information, contact the department at 570-422-3558 or visit www.esu.edu/sped.

Special Education and Rehabilitation Faculty

Professors:

Domenico Cavaiuolo (dcavaiuolo@esu.edu)

Gina Scala, Chair (gscala@esu.edu)

Associate Professors:

Caroline DiPipi-Hoy (cdipipihoy@esu.edu)

Heather Garrison (hgarrison@esu.edu)

SPED - Special Education Courses

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.

Distribution: Advanced. Prerequisite: REED314 AND REED340 AND REED350 AND SPPA105.

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 and 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.

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		
ECON 112	GN: Principles of Microeconomics	3
ENGL 103	English Composition	3
HPLW 105	Health Promotion and Lifetime Wellness	3
GenEd ___	General Education Elective	3
		Subtotal: 15

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
		Subtotal: 15

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
		Subtotal: 15

Spring

SMGT 346	Computer Application in Sport Management	3
SMGT 347	Introduction to Sport Law	3
GenEd ____	General Education Elective	3
GenEd ___	General Education Elective	3
GenEd ___	General Education Elective	3
		Subtotal: 15

Junior Year

Fall

SMGT 304	Historical Concepts of Movement and Sport	3
SMGT 409	Concepts of Sport Marketing	3
SMGT ___	Sport Management Elective	3
GenEd ____	General Education Elective	3
XXXX ___	Free Elective	3
		Subtotal: 15

Spring

SMGT 405	Comparative and International Issue in Sport and Physical Activity	3
SMGT 408	Financing Sport Operations	3
SMGT 445	Organization and Administration of Sport Operations	3
SMGT ___	Sport Management Elective	3
GenEd ___	General Education Elective	3
XXXX ___	Free Elective	3
		Subtotal: 18

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: 15

Spring

SMGT 486	Field Experience & Internships	12
		Subtotal: 12

Total Credit Hours: 120

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 a 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

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 ___	SMGT Elective (1)	3
SMGT 513	Advanced Research Methods	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 ___	SMGT Elective (2)	3
SMGT 519	Sport and Society	3
XXXX ___	Free Elective	3
		Subtotal: 15

Spring

SMGT 486	Field Experience & Internships	12
		Subtotal: 12

Total Credits for B.S. in SMGT: 120

5th Year

Fall

SMGT 546	Planning and Management of Sport Facilities	3
SMGT 548	Sports Marketing	3
SMGT 523	Administration: Physical Education Sport Programs	3
		Subtotal: 9

Spring

SMGT 547	Sports Business & Finance	3
SMGT 549	Sports and the Law	3
SMGT 550	Sport Personnel Management	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).

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
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

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 304	Historical Concepts of Movement and Sport	3
SMGT 347	Introduction to Sport Law	3
SMGT 405	Comparative and International Issue in Sport and Physical Activity	3
SMGT 408	Financing Sport Operations	3
SMGT 409	Concepts of Sport Marketing	3
SMGT 447	Sport Facilities	3

Co-requisites

ECON 111	GN: Principles of Macroeconomics	3
OR		
ECON 112	GN: Principles of Microeconomics	3

Additional requirements

Pre-requisites: 2.5 GPA, ECON 111 or 112, minimum "C" grade in minor courses & co-requisite

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). Organizations working to improve training standards include Pennsylvania Interscholastic Athletic Association, Inc. (PIAA), Society of Health and Physical Educators (SHAPE), and the National Interscholastic Athletic Administrators Association (NAAIA).

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

SMGT 209	Principles of Coaching	3
SMGT 404	Philosophical Concepts of Movement and Sport	3
SMGT 406	Theory and Techniques of Coaching	3
		Subtotal: 9
Choose one:		
ATEP 230	Prevention and Management of Sport and Fitness Injuries	3
ATEP 240	Acute Care Athletic Injuries	3
		Subtotal: 3

Choose one:

EXSC 492	Principles of Performance Enhancement for Performance Coaching	3
EXSC 493	Therapeutic and Physiological Foundations for the Coach	3

Subtotal: 3

Choose one:

PETE 344	Motor Learning and Development	3
SMGT 402	Psychology of Sport and Exercise	3
EXSC 402	Psychology of Sport and Exercise	3

Subtotal: 3

Choose one:

PETE 305	A Tactical Approach to Teaching Games I	1
PETE 306	A Tactical Approach to Teaching Games II	1
EXSC 411	Motor Learning & Development	3

Subtotal: 1-3

Choose one:

EXSC 410	Organization and Administration of Exercise and Wellness Programs	3
PETE 445	Organization and Administration of Physical Education	2
SMGT 445	Organization and Administration of Sport Operations	3
PETE 344	Motor Learning and Development	3
ATEP 431	Organization and Administration in Athletic Training	3
EXSC 411	Motor Learning & Development	3

Subtotal: 2-3

Additional Coursework if needed to reach 22 credits include the additional course options:

ATEP 120	Physical Conditioning	1
ATEP 121	Aerobic Fitness Activities	1
ATEP 122	Strength Training	1
ATEP 330	Injury Prevention and Reconditioning Workshop	2
ATEP 340	Illness Prevention and Health Promotion Workshop	2
EXSC 120	Physical Conditioning	1
EXSC 121	Aerobic Fitness Activities	1
EXSC 122	Strength Training	1
EXSC 202	Kinesiology - Applied Anatomy	3
EXSC 203	Kinesiology - Mechanical Analysis	3
EXSC 310	Exercise Physiology I	3
EXSC 447	Sports Nutrition	3
PETE 220	Physical Conditioning	1
PETE 253	Aquatics	1
PETE 302	Psychosocial Aspects of Activity	2
PETE 453	Water Safety Instructor	1
SMGT 302	Psychosocial Aspects of Activity	3
SMGT 304	Historical Concepts of Movement and Sport	3
SMGT 347	Introduction to Sport Law	3
SMGT 403	WS: Women Sport and the Body	3
SMGT 405	Comparative and International Issue in Sport and Physical Activity	3

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 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

PSY 100	GN: General Psychology	3
PSY 321	Theories Of Personality	3
SMGT 304	Historical Concepts of Movement and Sport	3
OR		
EXSC 310	Exercise Physiology I	3
SMGT 402	Psychology of Sport and Exercise	3
OR		
EXSC 402	Psychology of Sport and Exercise	3

Choose 3 credits from the following

PSY 220	GN: Social Psychology	3
PSY 222	GN: Psychology of Adjustment	3
PSY 251	GE: Psychological Disorders	3

PSY 302	Theories Of Learning	3
PSY 305	Cross-Cultural Psychology	3
PSY 320	Social Psychology: Theories, Research and Application	3

Choose 3 credits from the following

SMGT 201	Foundations of Sport Management	3
SMGT 209	Principles of Coaching	3
SMGT 302	Psychosocial Aspects of Activity	3
SMGT 403	WS: Women Sport and the Body	3
SMGT 405	Comparative and International Issue in Sport and Physical Activity	3
SMGT 406	Theory and Techniques of Coaching	3
EXSC 447	Sports Nutrition	3

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 interested 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 acclimates 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.

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 in 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

U.S. Government Occupation Outlook Handbook 2008-9

Theatre B.A.

PROGRAM FEATURES

40 credits

Required Courses in the Major:

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

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
THTR 343	GE: Directing	3
THTR 440	Collaborative Theatre Workshop	3

and one additional credit of

THTR 103	GE: Theatre Practicum	1

(beyond core requirement).

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

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

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:

Core:

None

Track I:

Three credits from:

DMET 210	Television: Studio Production	3
CMST 163	GN: Introduction to Film Study	3
CMST 229	Broadcast Journalism	3

one semester hour from Dance from

FIT 141	International Ethnic Dance	1
FIT 142	Social and Ballroom Dancing	1

Track II:

Two keyboard credits chosen from:

and three music theory credits from:

MUS 101	GN: Fundamentals Music	3

Track III:

Three credits in studio Art (by advisement)

Track IV:

Co-requisite:

DMET 210	Television: Studio Production	3

Additional Requirements: 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

THTR 101: (PA)

THTR 230 (FA)

Track I:

NONE

Track II:

Two FIT credits in Dance from

FIT 141	International Ethnic Dance	1
FIT 142	Social and Ballroom Dancing	1

Track III:

NONE

Track IV:

NONE

Residency Requirement:

A minimum of 12 upper division theatre credits at East Stroudsburg University.

For more information, contact the department by calling 570-422-3694 or email department secretary Debra Wassel at dwassel@esu.edu. For information on specific tracks, contact the track adviser. To become a major, contact the theatre chair. For information on the minor, contact any theatre faculty member.

Department of Theatre

570-422-3759
www.esu.edu/theatre
For ticket information call 570-422-3483 x4.

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

THTR 100, THTR 200: (multiple sections)

THTR 101: (1 section)

THTR 103: (1 credit course, 1 section)

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:

Stephanie French (sfrench@esu.edu)

Adviser: Acting for Theatre, Television and Film and Directing Tracks

Assistant Professors:

Christopher Domanski, Chair (cdomanski@esu.edu)

Adviser: Design/Technical Theatre Track

Tanner McAlpin (tmcalpin@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.

Distribution: GE: Humanities - Fine Arts | GN: Group A - Fine Arts (AFA) | Artistic Expression (A).

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 theatricals. 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.

Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Artistic Expression (A).

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.

Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Artistic Expression (A).

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.

Distribution: GE: Humanities-Performing Arts | GN: Group A - Performing Arts (APA) | Artistic Expression (A).

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.

Distribution: GN: Group A - Performing Arts (APA) | Artistic Expression (A).

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.

Distribution: GE: Humanities - Fine Arts | GN: Group A - Fine Arts (AFA) | Artistic Expression (A).

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) |Communication (C).

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 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: History of Theatre I (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.

THTR 304 - GE: History of Theatre II (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.

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 335 - GE: Latino Theatre (3 credits)
This course investigates a 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 Latina/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.

Academic Advising for Exploratory/Undeclared Studies Students

Fast Facts About the Exploratory/Undeclared Studies Student

- More than 600 ESU students have not yet declared a major.
- "Exploratory/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

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.

Office of Academic Advising For Exploratory/Undeclared Students

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

Administration

State and University Officials

Pennsylvania State System of Higher Education Board of Governors

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David M. Maser, *Vice Chair; Chair, Student Success Committee*

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Thomas S. Muller, *Chair, University Success Committee*

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Secretary of Education Pedro A. Rivera

Rep. Brad Roae

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Meg Snead, *Designee for Governor Tom Wolf*

Stephen L. Washington, Jr.

Neil R. Weaver, *Vice Chair, University Success Committee*

Gov. Tom Wolf

Janet L. Yeomans

Office of the Chancellor

Office of the Chancellor

Daniel Greenstein, *Chancellor*

Randy Goin Jr., *Deputy Chancellor*

Sharon Minnich, *Vice Chancellor for Administration and Finance*

Sarah Bauder, *Chief Transformation Officer*

Vacant, *Vice Chancellor for Academic and Student Affairs*

ESU Council of Trustees

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Mr. Bruno S. Klaus

Ms. Tina L. Nixon '89

Ms. Tameko Patterson

Mr. John Pekarovsky III '07

Mr. Albert Rivera '21

Daniel Greenstein *Ex-Officio*

University Administration

President's Office

Kenneth Long, *Interim President*

Miguel Barbosa, *Chief of Staff*

Brenda Friday, *Director, University Relations*

Academic Affairs

Joanne Z. Bruno, *Provost and Vice President for Academic Affairs*

Terry R. Barry, *Dean, College of Education and Interim Associate Provost for Academic Affairs*

Robert E. Smith, *Assistant Vice-President for Institutional Effectiveness, Planning and Assessment*

Justin Amann, *Assistant to the Provost and Vice President for Academic Affairs*

William Bajor, *Director, Graduate and Extended Studies*

Andra Basu, *Dean, College of Arts and Sciences*

Sylvester Williams, *Dean, College of Business and Management*

Denise Seigart, *Dean, College of Health Sciences*

Christina McDonald, *Director of Grants and Sponsored Projects*

Steven Ives, *Interim Director of International Study Programs*

Maria Kitchens-Kintz, *Associate Dean, College of Arts and Sciences*

Brooke Langan, *Interim Assistant Dean, College of Education*

Campus Life and Inclusive Excellence

Santiago Solis, *Vice President for Campus Life and Inclusive Excellence*

Cornelia Sewell-Allen, *Assistant Vice President for Inclusive Excellence*

Eugene Kelly, *Dean of Student Life*

Joseph Akob, *Executive Director of the Student Activity Association*

Amy Freeman, *Director of Health and Wellness*

Curtis Dugar, *Director of Residential and Dining Services*

Maria Cutsinger, *Director of Student Conduct and Community Standards*

Lonnie Albaugh, *Interim University Title IX and Compliance Coordinator*

Enrollment Management

Karen Lucas, *Vice President for Enrollment Management and Director of Admissions*

Karen Johnson, *Registrar*

Kelly Osorio, *Director of Financial Aid*

Finance and Administration

Kenneth Long, *Vice President for Administration and Finance*

Vacant, *Assistant Vice President for Adminstration*

Donna Bulzoni, *Director of Financial Affairs and Controller*

Robert D'Aversa, *CIO, Computing and Communication Services*

Tim Kresge, *Acting Director, Human Resource Management*

William Parrish, *Chief of Police, University Police*

Denise A. Aylward, *Assistant Director of Procurement and Contracting*

John Bloshinski, *Director, Facilities Management*

Economic Development and Entrepreneurship

Mary Frances Postupack, *Vice President for Economic Development and Entrepreneurship*

Daria A. Wielebinski, *Assistant Director of Workforce Development*

Keith Modzelewski, *Director of Business Accelerator & Entrepreneurship*

Catherine Klingler, *Curator, Schisler Museum and McMunn Planetarium*

Sarah Goodrich, *Coordinator of Camps and Conferences*

Nicole Chinnici, *Director, Dr. Jane Huffman Wildlife Genetics Institute*

University Senior Policy Administrators

Kenneth Long (2020)

Interim President
B.A., 1987, Drew University
M.B.A., 1995, Monmouth University
Joanne Bruno (2015)

Provost and Vice President for Academic Affairs
B.A., 1969, Rowan University
M.Ed., 1970, Penn State University
M.A., 1979, Columbia University
J.D., 1987, Rutgers University Law School
Karen Lucas (2020)

Vice President for Enrollment Management
B.S., 1988, Boston University
M.A., 1994. Florida Atlantic University
Ginger Coleman (2020)

Vice President for Administration and Finance
B.A., Drew University
M.B.A., Monmouth University
Santiago Solis (2019)

Vice President of Campus Life and Inclusive Excellence
B.A., 1992, University of California, Berkeley
M.A., 1996, Brown University
D.Ed., 2007, Columbia University
Mary Frances Postupack (1984)

Vice President for Economic Development and Research Support
B.S., 1976, Pennsylvania State University
M.Ed., 1993, East Stroudsburg University
Cert. Corporate Entrepreneurship, 2007, Lehigh University
William Bajor (2016)

Director, Graduate and Extended Studies
B.A., 1992, New York University
Ph.D., 1997 University of Saint Andrews, United Kingdom
L.L.M., 1998 University of Edinburgh, United Kingdom
Terry Barry (2012)

Associate Provost and Dean, College of Education
B.S., 1989, East Stroudsburg University
M.Ed., 1999, East Stroudsburg University
Ed.D., 2011, Walden University
Andra Basu(2019)

Dean, College of Arts and Sciences
B.A., 1992, Tufts University
M.A., 1996, University of Montana
Ph.D., 2000, City University of New York
Sylvester Williams (2019)

Dean, College of Business and Management
B.A., 1985, Howard University
J.D., 1990, The Catholic University of America
M.B.A., 1990, Wake Forest University
Denise Seigart (2017)

Dean, College of Health Sciences
B.S.N., 1980, Niagra University
M.S., 1987, Binghampton University
Ph.D., 1999, Cornell University
Robert E. Smith (2017)

Assistant Vice President for Institutional Effectiveness, Planning and Assessment
B.S., 1986, Frostburg State University
M.B.A., 1991, Frostburg State University
M.S., 2004, Frostburg State University
D.Ed., 2015, Frostburg State University

Faculty

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.

Kimberly S. Adams (2006, 2014)

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
B.A., 1991, Pennsylvania State University
M.A.T., 1994, The College of New Jersey
Paul V. Bartoli (2001, 2012)

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
Renee R. Boburka (2002, 2018)

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
Jill Boyle (2015,2015)

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
Christina Brecht (2004, 2004)

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
Christopher T. Brooks (2007, 2018)

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
William Broun (2006, 2019)

Professor of English
B.A., 1989, Miami University of Ohio
M.A., 1993, Miami University of Ohio
Kathleen M. Brunkard (1984, 1997)

Distinguished Professor of Biological Sciences
B.S., 1977, Southern Connecticut State College
M.S., 1979, Syracuse University
Ph.D., 1982, University of Massachusetts
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
M.S., 1985, Carnegie Mellon University

Ph.D., 1989, Carnegie Mellon University
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
Domenico G. Cavaiuolo (1998, 2008)

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)

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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
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M.S.W., 1988, Columbia University
Ph.D., 2004, Bryn Mawr College
Robert Cohen (1994, 2005)

Professor of Physics
B.S., 1985, Pennsylvania State University
M.S., 1988, Drexel University
Ed.M., 1991, Temple University
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Timothy M. Connolly (2007, 2017)

Professor of Philosophy and Religious Studies
B.A., 2002, Xavier University
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Paul Creamer (2008, 2013)

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B.A., 1988, University of Illinois
M.A., 1992, University of Wisconsin
Ph.D., 1999, University of Wisconsin
Donald M. Cummings (1986, 2004)

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B.S., 1984, College of Charleston
M.S., 1985, East Stroudsburg University
Ph.D., 1997, Temple University
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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)

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B.A., 1998, Florida International University
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Nicholas D'Angelo (2019, 2019)

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B.A., 1996, Montclair State University
M.F.A., 2000, Cranbrook Academy of Art
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B.S., 1998, Tusculum College
M.B.A., 2000, National University
M.P.A., 2005, Georgia State University
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M.A., 2008, Marymount University
Ph.D., 2015, Indiana University of Pennsylvania
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Ph.D., 1994, University of Virginia;
Dominic (Don) J. Dellipriscoli (2002, 2005)

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B.S., 2005, Bilkent University
M.S., 2007, University of Delaware
PhD.., 2019, Istanbul University
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M.S.W., 1995, Fordham University

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Susan Dillmuth-Miller (2008, 2019)

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Christopher Domanski (2016, 2016)

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Xue (Stella) Dong (2019, 2019)

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Christopher Lee Kavanau (2019, 2019)

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Jonathan P. Keiter (2005, 2005)

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B.A., 1995, Wittenberg University
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Ph.D., 2003, University of Connecticut
Richard S. Kelly (2000, 2010)

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Irina K. Khusid (2006, 2014)

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Ph.D., 2007, New Mexico State University
Laura Kieselbach (2017, 2017)

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B.A., 2000, Pennsylvania State University
M.S., 2011, University of Central Florida
Ph.D. 2018, Northeastern University
Heon Kim (2011, 2016)

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B.A., 1994, Kankuk University of Foreign Studies
M.A., 2001, Marmara University
M.A., 2005, Temple University
Ph.D., 2008, Temple University
Haklin A. Kimm (1999, 2006)

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B.S., 1979, Korea University at Seoul
M.S., 1984, University of Oklahoma
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Jessica Klugh

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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
John W. Kraybill-Greggo (2004, 2015)

Professor of Social Work
B.S.W., 1984, Mansfield University
M.S.W., 1986, Marywood College
Ph.D., 2004, Rutgers University
Thomas C. LaDuke (1997, 2000)

Associate Professor of Biological Sciences
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M.S., 1983, Michigan State University
Ph.D., 1991, City University of New York
Eun-Joo Lee (2008, 2008)

Associate Professor of Computer Science
B.S., 1989, Chonnam National University
M.S., 1991, Chonnam National University
Ph.D., 1997, Chonnam National University
Jaedeock Lee (2009, 2015)

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)

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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
William M. Loffredo (1994, 2002)

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
Richard J. Madigan (1995, 1999)

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B.A., 1974, University of Florida
M.F.A., 1990, Indiana University
Carrie Lynn Maloney (2014, 2017)

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)

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D.N.P., Drexel University
M.S.N., 2012, Drexel University
B.S.N., 2009, East Stroudsburg University
Robert E. Marmelstein (2005, 2013)

Professor of Computer Science
B.S., 1985, Michigan Technological University
M.S., 1991, University of Lowell
Ph.D., 1999, Air Force Institute of Technology
James F. Maroney (2002, 2006)

Associate Professor of Music
B.S., 1978, Western Connecticut State College
M.M., 1981, Ithaca College
Artist Diploma, 1987, Hartt School, University of Hartford
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Kenneth M. Mash (1997, 2006)

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Terry L. Master (1992, 1998);

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Scott Mathers (2020, 2020)

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B.S., 1999, Coe College
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Ph.D., 2014, Mississippi State University
Claranne Mathiesen (2019)

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B.S., 1985, East Stroudsburg University
M.S., 1993 Villanova University
David Mazure (2010, 2020)

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M.F.A, 2009, East Tennessee State University
Tanner N. McAlpin (2020, 2020)

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Andrea M. McClanahan (2003, 2013)

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M.A., 1999, Ball State University
Ph.D., 2003, Ohio University
Adam McGlynn (2010, 2020)

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Robert M. McKenzie (1992, 2000)

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Frederick Meitner (2020, 2020)

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E.M.B.A., 2015, Strayer University
Graduate Certificate, 2019, Pennsylvania State University
Ph.D., 2020, Iowa State University
Annie Mendoza (2010, 2015)

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Matthew Miltenberger (2013, 2018)

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Margaret Mullan, (2017, 2017)

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