

2017-2018

Graduate Catalog



A Member of the Pennsylvania State System of Higher Education

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available on the website, esu.edu.*

2017-2018 Graduate 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 Act of 1991 as well as all applicable federal and state executive orders.

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Mission, Vision, Values

The 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.

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.

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.

Graduate & Extended Studies

Graduate & Extended Studies embraces the University's vision, mission, and values, and consistent with those, defines its particular vision, mission, and values as follows:

Mission

The mission of Graduate & Extended Studies at East Stroudsburg University of Pennsylvania is to advance graduate education in order to develop leaders in their fields who enhance the lives of individuals in our state and nation, as well as globally.

Vision

The vision of Graduate & Extended Studies at East Stroudsburg University of Pennsylvania is to be recognized and respected throughout Pennsylvania, as well as nationally and internationally, for first rate graduate degree and certification programs in education, health sciences, the arts and sciences, and business and management.

Values

Graduate & Extended Studies at East Stroudsburg University of Pennsylvania is committed to the following underlying principles in all that we do:

- Excellence
- Innovation
- Leadership
- Critical Thinking
- Integrity

General Information

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.

- The undergraduate and the graduate Public Health degree programs are accredited by the Council on Education for Public Health.
- The undergraduate Social Work degree program is accredited by the Council on Social Work Education.
- The graduate Communication Sciences and Disorders degree program is accredited by the Council of Academic Accreditation of the American Speech-Language-Hearing Association.
- 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.

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 webpage: Title IX: Sexual Harassment and Sexual Violence
<http://www.esu.edu/titleix>

History of the University

East Stroudsburg University, a comprehensive university in northeastern Pennsylvania offering 55 undergraduate, 24 master's,

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.
- The 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 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 Recreation Services Management degree program is accredited by the Council on the Accreditation of Parks, Recreation, Tourism and Related Professions (COARPT).

and one doctoral program, is one of the 14 institutions in the Pennsylvania State System of Higher Education.

It opened its doors on September 4, 1893, as East Stroudsburg Normal School. A faculty of 15 greeted a group of 320 students who entered 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 became the State Teachers College at East Stroudsburg.

In 1960, the name was changed to East Stroudsburg State College, reflecting the addition of liberal arts and science curricula.

In November 1982, the Pennsylvania State System of Higher Education was authorized by Senate Bill 506, and the college officially became East Stroudsburg University on July 1, 1983.

History of Graduate Studies

East Stroudsburg University inaugurated Graduate Studies in 1962 with three Master of Education (M.Ed.) programs: Biological Sciences, General Science, and Health and Physical Education. In 1969, the first Master of Arts (M.A.) programs, in History and Political Science, were approved.

Over the years, graduate programs in a variety of fields, including a Master of Public Health (M.P.H.) have been approved and offered. In 2001, ESU entered into a memorandum of understanding with Indiana University of Pennsylvania to offer the Doctor of Education (Ed.D.) in Administration and Leadership Studies on campus. In 2004, three new Master of Science (M.S.) programs were added: Exercise Science, Management and Leadership, and Sport Management. Also in 2004, the M.S., Cardiac Rehabilitation was revised to the M.S., Clinical Exercise Physiology. In 2007, our first distance education graduate program, M.S., Athletic Training, was approved. In July 2009, the Pennsylvania State System of Higher Education approved a new M.S., Information Security, also to be offered online. Most recently, the university was approved to offer an M.A. in Professional and New Media Writing and a new Organizational Behavior concentration within the M.S. in Management and Leadership program. In 2016, the university was approved to offer its first doctoral degree, an Ed.D. in Educational Leadership and Administration.

In its first graduating class of 1964, the university awarded 10 graduate degrees. Today, the university offers over 30 degree and certification programs. From 1964 to 2015, East Stroudsburg University conferred nearly 8,000 graduate degrees.

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 students with opportunities to acquire, process and apply information in pursuit of their academic and career goals. A wide variety of resources as well as services offered by library faculty and staff support this goal. The library builds collections of print and electronic books, provides electronic course reserves and licenses an array of full-text databases, most of which are accessible both on- and off-campus. It also provides effective and speedy interlibrary loan and document delivery services to supplement its holdings.

Kemp Library is a depository for federal and Pennsylvania state documents and includes a Curriculum Materials Center for educational resource with collections of children and young adult literature and other instructional materials that support ESU's teacher education programs. Assistive technology is available in the library to make its resources fully accessible to all students.

As the library continues to provide access to new products, information formats and delivery systems, its instructional role has become more pronounced. To keep current with the library's resources and services, students and faculty are invited to take full advantage of the research assistant services; participate in group instruction offered by instructional librarians; and check the library website - www.esu.edu/library.

The Campus and Academic Buildings

The campus of East Stroudsburg University includes 66 buildings located on approximately 258 acres in East Stroudsburg Borough and Smithfield Township.

Forty-six acres of the property in Smithfield Township are leased to University Properties, Inc., which constructed University Ridge, a ten-building student apartment complex with 541 beds on 43 acres, and to the Visiting Nurses Association, which built a six-bed Hospice House on three acres.

The Center for Innovation and Entrepreneurship, located on the corner of Brown Street and Route 447 in Smithfield Township, was completed in 2010. This 51,000 sq. ft. \$11.25M facility 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 Northeast Wildlife DNA Laboratory, and Computer Training Labs.

The buildings in East Stroudsburg Borough include academic facilities, nine residence halls, a 1,000-seat dining hall, a Student Center, and 60,000-square-foot Recreation Center.

The nine residence halls include the addition of the UPI residence halls, Sycamore Suites (173,268 s. ft.) was completed during the summer of 2017 while Hemlock Suites (157,000 sq. ft.) and Hawthorn Suites (173,000 sq. ft.) were completed in 2012. These new residence halls provide 1,475 beds and offer one full bath to every two students. They also provide the students with five suite- style options from which to choose. The new residence halls are heated and air conditioned using geothermal technology and have Wi-Fi available to students. The Hawthorn Suites also offer a spin studio and an alternative Recreation Center, accessible to all students with a membership to the original Recreation Center. The Hemlock Suites also houses the University Police Station.

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.

The newly renovated, 30,200-square foot Monroe Hall reopened in August 2012. It was converted from a residence hall to instructional space, and the heating and air-conditioning systems were updated to use geothermal technology. Monroe Hall contains two computer laboratories, four classrooms, a 68-seat stepped auditorium, three conference rooms, and offices. This building also houses the ESU Speech and Hearing Center and the Speech-Language Pathology and Communication departments.

ESU opened additional locations in Philadelphia in 2011 (graduate education only) and in Bethlehem (the Lehigh Valley Center) in 2012. Lehigh Valley offers Extended Learning, including Accelerated Graduate Degree, Undergraduate Degree Completion, Continuing Education, and Non-Degree programs

The 130,600-squarefoot Warren E. '55 and Sandra Hoeffner Science & Technology Center opened in August 2008. Along with a planetarium and observatory, it houses 17 teaching laboratories, nine research laboratories, a multi-use 200-seat auditorium, classrooms, and offices.

The Schisler Wildlife Museum of Natural History, located in the Science & Technology Center, houses the Schisler family's donated collection of wildlife and biological specimens, as well as the University's existing collection. The Museum also provides an educational venue for school children to visit and is also open to the public on weekends. It features five large dioramas, interchangeable display, a large aquarium, curator office space, storage space, and informal classroom space

The primary academic building is Stroud Hall. 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 University Center includes a food court, commuter lounge,

convenience store, game room, student activities offices, and the University Store.

Other major classroom buildings are: Moore Biology Hall, which contains a large group lecture hall, a greenhouse and wildlife museum; Gessner Science Hall which contains laboratories for physics; DeNike Center for Human Services, which houses classrooms and has laboratory areas for the departments of health, nursing, and recreation services management; and Rosenkrans Hall, which houses offices as well as digital media and technologies classrooms and labs.

Graduate and Extended Studies Office

The senior administrator for Graduate & Extended Studies reports directly to the provost and vice president for academic affairs. The senior administrator sits on the Provost's Leadership Team.

The Graduate professional and support staff provide essential services for all graduate faculty and students at ESU, from application through program completion. The Graduate office also offers special academic opportunities for graduate students, including research and travel support.

The Graduate Advisory Council provides guidance and recommendations to the graduate dean on policies and procedures for admission, assistantships, academic status, degree candidacy, and other matters related to graduate studies. Committee membership includes the graduate coordinator from each academic department offering a graduate degree program. Graduate coordinators are appointed by the department chair. For a current list of graduate coordinators, contact the Graduate office at 570-422-3536.

All areas of graduate curricula, including the review and approval of new courses, programs, or methods of delivery are the role of the university curriculum process. Curriculum proposals are initiated by the academic departments for consideration by the University Curriculum Committee. Following approval by the committee, the Academic Council reviews all course and program proposals before recommending them to the provost, who acts on behalf of the president of the university for final curriculum approvals.

Each academic department identifies its graduate faculty according to established criteria. Faculty members hold high academic credentials and a long-standing commitment to teaching excellence; collectively, they are recipients of numerous grants and honors. ESU's faculty are diverse and represent many prestigious institutions of higher education in the United States and internationally. The terminal degree is held by 88 percent of the instructional faculty.

The Graduate & Extended Studies office is located in Zimbar-Liljenstein Hall, Room 154, and can be contacted via telephone at 570-422-3536 or e-mail at grads@esu.edu.

The mailing address is:

Graduate & Extended Studies

**East Stroudsburg University
200 Prospect St
East Stroudsburg, PA 18301**

Admission

Requirements

All applicants to Graduate Studies at East Stroudsburg University must meet the following requirements:

1. An applicant must have an earned baccalaureate degree from a regionally accredited college or university.
2. The applicant's undergraduate grade point average must be at least 2.5 (on a 4.0 scale) overall, and 3.0 in the major. Some graduate programs require higher overall and major grade point averages.
3. **Additional Program Requirements** – Some programs have additional admission requirements, such as graduate school admission test (e.g., GRE, MAT, etc.) scores, specific undergraduate degree or prerequisite coursework, Pennsylvania Department of Education certification, or other requirements. Please refer to the section "Overview of Graduate Program Admission Requirements" for additional, program-specific requirements.

Application for Admission

A completed application for admission to Graduate Studies at East Stroudsburg University will include the following components:

1. **Application** – All degree and post-baccalaureate certification programs require a Graduate Admission Application, to be submitted online. Prospective students interested in pursuing coursework for professional development, or to explore graduate study before applying to a degree or certification program, should complete the Special Status Application.
2. **Official Transcripts** – Official transcripts from each undergraduate and graduate institution attended, regardless whether a degree was earned, must be submitted as part of the application package for degree and post-baccalaureate certification programs. Transcripts must be sealed by the registrar and remain sealed until their arrival at the office of Graduate & Extended Studies. Electronic transcripts sent by the registrar via an official transcript service directly to the office of Graduate & Extended Studies are acceptable.
3. **Letters of Recommendation** – Two or three professional and current letters of recommendation depending on the program are required of each applicant. Letters are to speak to your ability to be successful in graduate school, career and academic goals, and your professional work experiences and skills. Recommendations should state how long and in what capacity the individual writing the recommendation has known the applicant, and are to be submitted on official letterhead or on the Graduate Application Recommendation Form. Recommendations mailed directly to Graduate & Extended Studies should be in a sealed envelope with a signature across the seal. Recommendations can also be sent electronically, but should come directly from the recommender. The Special Status Application does not require the submission of letters of recommendation.
4. **Professional Goal Statement** – A statement of your perception of your ability to be successful in graduate school, career and academic goals, commitment to your field of study, and your professional work experiences and skills is to accompany the

application package. The statement, dated and signed, is an important component of the application. The Special Status Application does not require the submission of a goal statement.

5. **Resume**
6. **Application Fee** – A non-refundable application fee in the amount of \$50 must accompany the online application.
7. **Documentation of Additional Program Requirements** – Documentation of additional admission requirements (e.g., graduate school admission test – GRE, MAT, etc. – scores, PRAXIS test scores, undergraduate degree or prerequisite coursework, Pennsylvania Department of Education certification, etc.), where required, must be included in the application package.

Admission Classifications

Applicants to Graduate Studies at East Stroudsburg University are notified of their admission status by a letter from the graduate director before the beginning of the term of planned study. Typically, applicants will be notified of an admission decision within three weeks after all application materials are received. Admission decisions are not subject to appeal. Admission decision classifications are as follows:

1. **Admission, Pre-Candidacy (Full)** – Granted to an applicant who plans to work toward a graduate degree and whose application meets admission requirements as set forth by Graduate & Extended Studies and the academic department.
2. **Admission, Certification Program** – Granted to an applicant who plans to work toward a certification program and whose application meets admission requirements as set forth by Graduate & Extended Studies and the academic department.
3. **Admission, with Conditions** – Granted to an applicant who plans to work toward a graduate degree or certification program but does not meet the academic criteria for admission (e.g., overall/major quality point average, graduate test scores, etc.) or who does not have all of the other requirements (e.g., prerequisite coursework, licenses, etc.) necessary for admission, pre-candidacy (full). Upon departmental recommendation of the stated conditions, the student may request a change of admission classification from Admission, with Conditions to Admission, Pre-Candidacy. The graduate director will seek the recommendation of the graduate coordinator, and then make the decision for approval or disapproval.
4. **Admission, Special Status** – Granted to an applicant who plans to enroll in graduate courses for professional development, but does not intend to pursue a degree or certification. Special Status admission also may be granted to applicants who wish to explore graduate studies before applying to a graduate degree or certification program. In such cases, students must apply to the program before the completion of 12 credit hours. Courses completed as a Special Status (non-degree) student will not automatically be applicable toward the degree or certification program. Students must provide documentation of an earned baccalaureate degree from a regionally accredited college or university.

5. **Admission Denied** – Applicants denied admission by Graduate & Extended Studies will receive a letter from the director informing them of the decision.

Application Deadlines

Graduate & Extended Studies reviews applications for admission under a "rolling admissions" process. This means that applications are reviewed throughout the year and admissions decisions are made weekly. However, to assure full consideration for admission before the beginning of the semester in which you would like to enroll, please submit your application for admission with all required documentation two weeks prior to the start of the semester.

Some programs admit students only once a year or have specific application deadlines, which are enumerated below:

Degree program	Specific application deadline
Communication Sciences and Disorders	February 1
Exercise Science	March 1
Clinical Exercise Physiology	March 1
Biology	October 1 (Spring)
Biology	June 1 (Fall)

International Applicants

In addition to fulfilling the general application procedures, international applicants must present evidence of fluency in English, either the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) score. The minimum TOEFL score acceptable for admission is 560 on the paper test, 220 on the computer test or 83 on the Internet test. The TOEFL score should be submitted directly from the Educational Testing Service in Princeton, N.J. ESU's Institutional Code Number is 2650. The minimum acceptable score for IELTS is "Band 6."

For further information concerning IELTS contact Cambridge Examinations and IELTS International, 100 East Corson St., Suite 200, Pasadena, CA 91103, USA. Call 626-564-2954; e-mail ielts@ceii.org; or visit IELTS website, www.ielts.org.

International applicants also must submit a statement and documentation of financial resources. The statement must demonstrate sufficient financial resources to meet the cost of living in the United States, the cost of travel to and from the student's native country, and the cost of graduate education at East Stroudsburg University. Applications will not be processed without the financial statement and application fee.

International applicants must submit an official English translation of their transcripts, including a credential evaluation equivalence course-by-course report of their baccalaureate degree from World Education Services, Inc. (WES) or other service approved by Graduate & Extended Studies. For further information concerning WES, contact WES at 800-937-3895 or at www.wes.org.

International applicants must furnish proof of health insurance (certification must be in English) meeting the required criteria or purchase student health insurance from East Stroudsburg University, which is recommended.

Due to the time required to secure immigration documents and address other matters, international applicants are encouraged to submit all application materials as early as possible. The office of Graduate & Extended Studies works in collaboration with other

offices on campus to assist international applicants and students. For further information, please contact Graduate & Extended Studies.

Doctoral Applications

Applications for the Educational Leadership and Administration, (Ed.D.) program are accepted every other Fall term. Please review program website for specific deadlines.

Applicants for Certification, Specialist, Supervisor, and Letter of Eligibility Programs

From the Pennsylvania Department of Education and other national certification programs, East Stroudsburg University offers state-approved certification preparation programs leading to certification in:

Biology (7-12)
Chemistry (7-12)
Earth & Space Science (7-12)
English (7-12)
English as a Second Language (ESL)
French (7-12)
General Science (7-12)
German (7-12)
Mathematics (7-12)
Physics (7-12)
Social Studies (7-12)
Spanish (7-12)
Speech & Language Impaired (N-12)
Instructional Technology Specialist (K-12)
Principal (K-12)
Reading Specialist (K-12)
Special Education Supervisor

The university also offers programs of study to prepare students for national certifications, including the Behavior Analyst, Applied Behavior Analyst, and National Board Certified Teacher.

Applicants for these programs should follow the same procedures for admission, plan of study, and registration, as described for degree program students in this catalog. Interested applicants should contact Graduate & Extended Studies office to confer with the graduate admissions coordinator, in consultation with the respective graduate coordinator, for further information, before beginning the admissions process.

Examination and Other Admission Requirements

All applicants to Graduate Studies at East Stroudsburg University are strongly encouraged to take a graduate admissions test, such as the Graduate Record Examination (GRE) or Miller Analogies Test (MAT). However, some programs require specific tests, as follows:

Graduate Degree Program	Required Examination
Athletic Training	GRE
Biology	GRE
Public Health	GRE
Communication Sciences and Disorders	GRE

In addition to the requirements enumerated for all applicants to Graduate Studies, specific programs have additional application requirements, as follows:

Graduate Degree Program	Additional Program Requirements
Special Education Supervisor Certification	Teacher certification
Reading	Teacher certification
Professional & Secondary Education	Teacher certification

Fees and Deposits

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.

Graduate Students Taking Undergraduate Classes

Please note that effective Fall 2012, tuition is assessed based on the student type and not course type. That is:

- Graduate students taking graduate courses pay the graduate rate.
- Graduate students taking undergraduate courses pay the graduate rate.
- Graduate students taking both graduate and undergraduate courses pay the graduate rate.

This can make a substantial difference in the charges for a graduate student. Please be sure to visit the Student Enrollment Center, Zimbar-Liljenstein Hall, to see how a schedule change in graduate/undergraduate credits will impact your charges.

Summary of University Graduate Tuition and Fees Per Semester

(Academic Year 2017-2018)

Recurring Fees

Tuition, General and Instructional Fees:

Type of Fee	Amount/ Semester
Pennsylvania residents pay at the following rate per credit	\$500
Non-Pennsylvania residents at the following rate per credit	\$750
Pennsylvania residents enrolled in online degree programs (ATEP, CPIS, ENPW, REED and HLTH) pay at the following rate per credit	\$500
Non-Pennsylvania residents enrolled online degree programs (ATEP, CPIS, ENPW, REED and HLTH) pay at the following rate per credit	\$510
General fee, graduate students (same for both Pennsylvania residents and non-residents) pay at the following rate per credit	\$113
General fee for students enrolled in online degree programs (ATEP, CPIS, ENPW, REED and HLTH) pay at the following rate per credit	\$68
General fee for students enrolled in Lehigh Valley programs pay at the following rate per credit	\$45
General fee, graduate students (same for both Pennsylvania residents and non-residents) registered for 9 or more credits	\$1,013
General fee for students enrolled in fully online degree programs (ATEP, CPIS, ENPW, REED and HLTH) registered for 9 or more credits	\$616
General fee for students enrolled in Lehigh Valley programs registered for 9 or more credits	\$405
Technology fee, Pennsylvania residents pay at the following rate per credit	\$27
Technology fee, non-Pennsylvania residents pay at the following rate per credit	\$39
Transportation fee, graduate students (same for both Pennsylvania residents and non-residents) pay at the following rate if registered between 1 and 8 credits	\$28

Transportation fee, graduate students (same for both Pennsylvania residents and non-residents) pay at the following rate if registered for 9 or more credits \$55

General Academic Records Fee. This fee is non-refundable and is intended to cover the cost of transcripts and graduation application fees. Students will receive lifetime transcripts upon graduation. It is a flat fee assessed on undergraduate and graduate students. The academic records fee does not cover the cost of express delivery of transcripts. \$10

Summer Session Tuition and Fees 2017:

(Subject to change without notice)

Graduate Students

Tuition, Pennsylvania resident per credit	\$483
Tuition, Non-Pennsylvania resident per credit	\$725
General Fee, Graduate per credit	\$109
Technology Fee, Pennsylvania resident per credit	\$26
Technology Fee, Non-Pennsylvania resident per credit	\$38
Academic Records Fee	\$10

Room and Board Fees

Housing Charges

Fall 2017/Spring 2018

Hemlock/Hawthorn Suites

Double occupancy per semester	\$3,850
Single room per semester	\$4,275
Double Occupancy with Living Room	\$4,010
Single room, quad occupancy with Living Room	\$4,670
Single room, double occupancy with Living Room	\$5,030

Residence Halls

Double Occupancy per semester	\$3,000
Single Room per semester	\$4,500

University Apartments

Double Occupancy per Semester	\$3,750
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University Ridge

(570-422-2400)

Four bedroom apartment	\$3,800
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ONLY University Apartments and University Ridge residents may choose alternative meal plans or delete meal service; all other students in on-campus housing must participate in either the 19, 15 or 10 meals a week meal plan or the 175 meals per semester block plan. A student may make meal plan changes only during the first two weeks of the semester.

Meal Plan Charges

This charge is for off-campus students who wish to eat meals in the university dining hall.

ANY 19 meals	w/250 dining dollars	\$1,396
Monday-Friday: Breakfast, lunch and dinner		
Saturday and Sunday: Brunch and dinner		

ANY 15 meals	w/250 dining dollars	\$1,336
ANY 10 meals	w/250 dining dollars	\$1,116
175 Block	w/250 dining dollars	\$1,287
75 Block	w/250 dining dollars	\$829

Dining Dollars: Unused dining dollars will carry over from fall to spring semester; however, they do not carry over to the next academic year. Unused dining dollars will lapse to the university at the end of each spring semester.

Non-Recurring Fees

Type of Fee	Amount
Application Fee (non-refundable)	\$50
Late Registration Fees	\$50
Late Request for Schedule <i>Charges apply to students who were registered for and completed the previous academic semester</i>	\$50
Late Payment of Fees <i>Charges apply to those who fail to make payment by the due date indicated in billing instructions</i>	1.5% monthly of outstanding balance
Bad Check Fee	\$25
Identification Card Fee	\$20

*Fees are subject to change

Insurance for Graduate Students

570-422-3463, Office of Student Affairs

Insurance for graduate students is available for full-time, U.S. citizens through the Office of the Vice President for Student Affairs, located in the Reibman Administration Building.

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 subjective, 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 necessary factors to make such a transition should contact that office. Each case will be decided on the basis of all facts submitted with qualitative rather than quantitative emphasis in support of the intention of the student to reside indefinitely in Pennsylvania.

If the student is not satisfied with the decision made by the Student Enrollment Center 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 shall be final.

Detailed Information on Fees

General Fee

This *mandatory fee* is used to support the university's academic programs and a variety of student services and activities such as student government, student organizations, health services and

wellness programs, and Student Center debt service, capital replacement, and maintenance.

This fee is charged to *all students* (undergraduate and graduate, full-time and part-time, residential and commuting/off-campus) during all university sessions (including Winter Session and Summer Sessions), and at all course locations (including internships, student teaching, Dixon University Center in Harrisburg, and all other off-campus sites). Refunds of the General Fee during regular and special sessions will be processed in accordance with the same schedule and policy as tuition refunds.

Technology Fee

This mandatory fee was instituted by the State System Board of Governors in the fall of 2002 and is used to enhance student access to the latest technology in the classroom and to prepare students for a technology-driven world.

Room and Board

Each academic year an advance deposit of \$200 is required, to be credited toward the second semester of that year. This deposit is non-refundable.

Detailed Information on Non-Recurring Fees

Application Fee

An application fee of \$50 must be paid by all applicants when submitting the completed preliminary registration form to initiate application for admission. This payment is not refundable.

Late Registration

A \$50 charge is made for late registration.

Late Payment Fee

Late fees will be assessed monthly at the rate of 1.5% of the outstanding balance.

Bad Check Fee

Any student who processes a check to the university which is returned unpaid in payment of fees will be subject to a \$25 bad check fee regardless of the amount of the original check.

Damage Charges

Students are held responsible for damage, breakage, loss, or delayed return of university property. Damages that are determined to be communal will be prorated in accordance with university policy and housing contract agreement. Deliberate disregard for university property will also result in disciplinary action.

All keys to university rooms are university property and are loaned to students. Students who do not return keys will be charged a lock replacement fee to be determined by the institution. Loss of a room key should be reported immediately.

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

Students are encouraged to sign up for direct deposit. Otherwise, a check will be issued.

Tuition

A student who officially withdraws before the beginning of any semester is eligible for a complete refund of all fees EXCEPT the application fee and registration and room deposits. (Please refer to refund policies that pertain to housing and meal refunds, if applicable.)

A student who completely withdraws from the university after the beginning of a semester and who submits to Student Enrollment Center an officially approved withdrawal form is entitled to a refund of tuition according to the schedule below. (Subject to change by the university without notice.)

Refund	Period of Attendance
100 percent	First week
80 percent	Second week
60 percent	Third week
50 percent	Fourth week
40 percent	Fifth week
No refund after fifth week	

Housing

A student who officially withdraws completely from the university BEFORE the beginning of any semester is eligible to receive a full refund of housing fees, but must forfeit the housing deposit.

A student who officially withdraws completely from the university DURING the semester will forfeit the housing deposit but is entitled to receive a pro-rated refund of housing fees, based upon a weekly scale.

The Housing Office will determine if any refund of housing fees is possible for a student who leaves university housing for medical reasons. If a student is asked to leave university housing, the details concerning a housing refund shall be determined by the Director of Housing.

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

A refund of fees for a student who withdraws after the beginning of a summer session will be determined by the proportion of the term attended and will be prorated on the basis of the refund policy in effect for a regular session. It is the student's responsibility to submit withdrawal requests within the allotted time period.

Academic Calendar

Fall 2017

Fall 2017 Bills Due	August 21
Residence Halls Open (Freshmen & Transfer Students)	August 25
Residence Halls Open (Continuing Students)	August 26
Fall Courses Begin	August 28
Last Day to Drop Quarter 1 Course as No Grade	August 31
Last Day to Add Quarter 1 Course	August 31
Quarter 1 Withdrawal (W) Grade Period Begins	September 1
Labor Day - No Classes	September 4
Classes Resume	September 5
Last Day to Drop Semester Course as No Grade	September 5
Last Day to Add Semester Course	September 5
Priority Deadline to Submit Undergraduate "Intent to Graduate" Application for Fall 2017 Graduation (December)	September 5
Priority Deadline to Submit Undergraduate "Intent to Graduate" Application for Winter 2018 Graduation (January)	September 5
Semester Withdrawal (W) Grade Period Begins	September 6
Priority Deadline to Submit Graduate "Intent to Graduate" Application for Fall 2017 Graduation (December)	September 15
Priority Deadline to Submit Graduate "Intent to Graduate" Application for Winter 2018 Graduation (January)	September 15
Family Weekend	September 22
Last Day to Withdraw (W) from Quarter 1 Course	September 29
Columbus Day - No Classes	October 9
Midterm Grade Links Open for Faculty	October 9
Switch Day - Monday Schedule	October 10
Quarter 1 Ends	October 17
Quarter 2 Begins	October 18
Homecoming	October 19
Faculty Deadline to Submit Midterm Grades to Registrar's Office by 9:00 a.m.	October 19
Last Day to Drop Quarter 2 Course as No Grade	October 21
Last Day to Add Quarter 2 Course	October 21
Quarter 2 Withdrawal (W) Grade Period Begins	October 22
Spring 2018 Registration Begins	October 30
Winter Registration Begins	October 30
Last Day to Withdraw (W) from Semester Course	November 1
Last Day to Withdraw (W) from Quarter 2 Course	November 21
Thanksgiving Break Begins - No Classes	November 22
Classes Resume	November 27
Final Grade Links Open for Faculty	December 7
Quarter 2 Ends	December 8
Final Exam Week Begins	December 11
Fall Semester Ends	December 15
Residence Halls Close	December 15

Undergraduate & Graduate Commencement	December 16
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	December 21
* Please note there is a separate Fall 2017 Extended Learning calendar.	

Fall 2017 - Extended Studies

Extended Studies Fall A1 - 8 Weeks

August 7 - September 30, 2017

Extended Learning A1 Courses Begin	August 7
Last Day to Drop A1 Course as No Grade	August 12
Last Day to Add A1 Course	August 12
A1 Withdrawal (W) Grade Period Begins	August 13
Last Day to Withdraw (W) from A1 Course	September 8
Grade Links Open for Faculty	September 28
A1 Ends	September 30
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	October 12

Extended Studies Fall AA - 9 Weeks

August 7 - October 7, 2017

Extended Learning AA Courses Begin	August 7
Last Day to Drop AA Course as No Grade	August 12
Last Day to Add AA Course	August 12
AA Withdrawal (W) Grade Period Begins	August 13
Last Day to Withdraw (W) from AA Course	September 8
Grade Links Open for Faculty	September 28
AA Ends	October 7
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	October 19

Extended Studies Fall AB - 9 Weeks

October 9 - December 9, 2017

Extended Learning AB Courses Begin	October 9
Last Day to Drop AB Course as No Grade	October 14
Last Day to Add AB Course	October 14
AB Withdrawal (W) Grade Period Begins	October 15
Last Day to Withdraw (W) from AB Course	November 11
Grade Links Open for Faculty	December 1
AB Ends	December 9
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	December 14

Extended Studies Late Fall A2 - 8 Weeks

October 16 - December 9, 2017

Extended Learning A2 Courses Begin	October 16
Last Day to Drop A2 Course as No Grade	October 21
Last Day to Add A2 Course	October 21
A2 Withdrawal (W) Grade Period Begins	October 22
Last Day to Withdraw (W) from A2 Course	November 17

Grade Links Open for Faculty	December 1
A2 Ends	December 9
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	December 14

* Please note there is a separate Fall 2017 calendar.

Winter 2018

Winter Courses Begin	December 18
Last Day to Drop Winter Course as No Grade	December 20
Last day to Add Winter Course	December 20
Winter Withdrawal (W) Grade Period Begins	December 21
Christmas - No Classes	December 25
New Year's Day - No Classes	January 1
Last Day to Withdraw (W) from Winter Course	January 4
Grade Links Open for Faculty	January 4
Winter Ends	January 12
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	January 18

Spring 2018

Spring 2018 Bills Due	January 8
Residence Halls Open	January 14
Spring Courses Begin	January 16
Winter Session Faculty Deadline for Submitting Final Grades to Registrar's Office by 9:00 a.m.	January 18
Last Day to Drop Quarter 3 Course as No Grade	January 19
Last Day to Add Quarter 3 Course	January 19
Quarter 3 Withdrawal (W) Grade Period Begins	January 20
Last Day to Drop Semester Course as No Grade	January 23
Last Day to Add Semester Course	January 23
Semester Withdrawal (W) Grade Period Begins	January 24
Priority Deadline to Submit Undergraduate "Intent to Graduate" Application for Spring 2018 Graduation (May)	January 26
FAFSA Priority Deadline for New Incoming Freshmen to be Considered for Institutional Funding	February 14
Priority Deadline to Submit Graduate "Intent to Graduate" Application for Spring 2018 Graduation (May)	February 15
Last Day to Withdraw (W) from Quarter 3 course	February 16
Quarter 3 Ends	March 6
Midterm Grade Links Open for Faculty	March 6
Quarter 4 Begins	March 7
Spring Break Begins - No Classes	March 12
Classes Resume	March 19
FAFSA Priority Deadline for Transfer Students to be Considered for Institutional Funding	March 19
Last Day to Drop Quarter 4 Course as No Grade	March 19
Last Day to Add Quarter 4 Course	March 19
Quarter 4 Withdrawal (W) Grade Period Begins	March 20
Faculty Deadline to Submit Midterm Grades to Registrar's Office by 9:00 a.m.	March 22
Fall 2018 Registration Begins	April 2

Last Day to Withdraw (W) from Semester Course	April 3
Last Day to Withdraw (W) from Quarter 4 Course	April 12
Final Grade Links Opens for Faculty	April 26
Quarter 4 Ends	April 30
FAFSA Priority Deadline for Continuing Students to be Considered for Institutional Funding	May 1
Final Exam Week Begins	May 1
Spring Semester Ends	May 4
Graduate Commencement	May 4
Residence Halls Close	May 4
Undergraduate Commencement	May 5
Priority Deadline to Submit Undergraduate "Intent to Graduate" Application for Summer 2018 Graduation (August)	May 7
Priority Deadline to Submit Graduate "Intent to Graduate" Application for Summer 2018 Graduation (August)	May 9
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	May 11

* Please note there is a separate Spring 2018 Extended Learning calendar.

Spring 2018 - Extended Studies

Extended Studies Spring A3 - 8 Weeks

January 2 - February 24, 2018

Extended Learning A3 Courses Begin	January 2
Last Day to Drop A3 Course as No Grade	January 6
Last Day to Add A3 Course	January 6
A3 Withdrawal (W) Grade Period Begins	January 7
Last Day to Withdraw (W) from A3 Course	February 3
Grade Links Open for Faculty	February 15
A3 Ends	February 24
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	March 1

Extended Studies Spring AC - 9 Weeks

January 2 - March 3, 2018

Extended Learning AC Courses Begin	January 2
Last Day to Drop AC Course as No Grade	January 6
Last Day to Add AC Course	January 6
AC Withdrawal (W) Grade Period Begins	January 7
Last Day to Withdraw (W) from AC Course	February 5
Grade Links Open for Faculty	February 15
AC Ends	March 3
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	March 8

Extended Studies Spring AD - 9 Weeks

March 5 - May 5, 2018

Extended Learning AD Courses Begin	March 5
Last Day to Drop AD Course as No Grade	March 10
Last Day to Add AD Course	March 10
AD Withdrawal (W) Grade Period Begins	March 11
Last Day to Withdraw (W) from AD Course	April 11

Grade Links Open for Faculty	April 25
AD Ends	May 5
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	May 10

Extended Studies Late Spring A4 - 8 Weeks**March 12- May 5, 2018**

Extended Learning A4 Courses Begin	March 12
Last Day to Drop A4 Course as No Grade	March 17
Last Day to Add A4 Course	March 17
A4 Withdrawal (W) Grade Period Begins	March 18
Last Day to Withdraw (W) from A4 Course	April 12
Grade Links Open for Faculty	April 25
A4 Ends	May 5
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	May 10

* Please note there is a separate Spring 2018 calendar.

Summer 2018**Full Summer - 12 Weeks****May 14 - August 3, 2018**

Full Summer Courses Begin	May 14
Last Day to Drop Full Summer Course as No Grade	May 22
Last Day to Add Full Summer Course	May 22
Full Summer Withdrawal (W) Grade Period Begins	May 23
Memorial Day - No Classes	May 28
Last Day to Withdraw (W) from Full Summer Course	June 28
Fourth of July - No Classes	July 4
Grade Links Open for Faculty	July 26
Full Summer Ends	August 3
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	August 9

Summer Session 4A - 4 Weeks**May 14 - June 8, 2018**

4A Courses Begin	May 14
Last Day to Drop 4A Course as No Grade	May 16
Last Day to Add 4A Course	May 16
4A Withdrawal (W) Grade Period Begins	May 17
Memorial Day - No Classes	May 28
Last Day to Withdraw (W) from 4A Course	May 30
Grade Links Open for Faculty	May 31
4A Ends	June 8
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	June 14

Summer Session 8A - 8 Weeks**May 14 - July 6, 2018**

8A Courses Begin	May 14
Last Day to Drop 8A Course as No Grade	May 18
Last Day to Add 8A Course	May 18
8A Withdrawal (W) Grade Period Begins	May 19
Memorial Day - No Classes	May 28

Last Day to Withdraw (W) from 8A Course	June 15
Grade Links Open for Faculty	June 28
Fourth of July - No Classes	July 4
8A Ends	July 6
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	July 12

Summer Session 4B - 4 Weeks**June 11 - July 6, 2018**

4B Courses Begin	June 11
Last Day to Drop 4B Course as No Grade	June 13
Last Day to Add 4B Course	June 13
4B Withdrawal (W) Grade Period Begins	June 14
Last Day to Withdraw (W) from 4B Course	June 26
Grade Links Open for Faculty	June 28
Fourth of July - No Classes	July 4
4B Ends	July 6
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	July 12

Summer Session 8B - 8 Weeks**June 11 - August 3, 2018**

8B Courses Begin	June 11
Last Day to Drop 8B Course as No Grade	June 15
Last Day to Add 8B Course	June 15
8B Withdrawal (W) Grade Period Begins	June 16
Fourth of July - No Classes	July 4
Last Day to Withdraw (W) from 8B Course	July 13
Grade Links Open for Faculty	July 26
8B Ends	August 3
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	August 9

Early Start (ES) Program - 6 Weeks**June 25 - August 3, 2018**

ES Courses Begin	June 25
Last Day to Drop ES Course as No Grade	June 28
Last Day to Add ES Course	June 28
ES Withdrawal (W) Grade Period Begins	June 29
Fourth of July - No Classes	July 4
Last Day to Withdraw (W) from ES Course	July 18
Grade Links Open for Faculty	July 26
ES Ends	August 3
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	August 9

Summer Session 4C - 4 Weeks**July 9 - August 3, 2018**

4C Courses Begin	July 9
Last Day to Drop 4C Course as No Grade	July 11
Last Day to Add 4C Course	July 11
4C Withdrawal (W) Grade Period Begins	July 12

Last Day to Withdraw (W) from 4C Course	July 24
Grade Links Open for Faculty	July 26
4C Ends	August 3
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	August 9

* Please note there is a separate Summer 2018 Extended Learning calendar.

** All calendar dates are subject to change.

Summer 2018 - Extended Studies

Extended Studies Summer A7 - 8 Weeks

May 21 - July 14, 2018

A7 Courses Begin	May 21
Last Day to Drop A7 Course as No Grade	May 26
Last Day to Add A7 Course	May 26
A7 Withdrawal (W) Grade Period Begins	May 27
Last Day to Withdraw (W) from A7 Course	June 22
Grade Links Open for Faculty	July 6
A7 Ends	July 14
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	July 19

Extended Studies Summer A8 - 9 Weeks

May 21 - July 21, 2018

A8 Courses Begin	May 21
Last Day to Drop A8 Course as No Grade	May 26
Last Day to Add A8 Course	May 26
A8 Withdrawal (W) Grade Period Begins	May 27
Last Day to Withdraw (W) from A8 Course	June 29
Grade Links Open for Faculty	July 12
A8 Ends	July 21
Faculty Deadline to Submit Final Grades to Registrar's Office by 9:00 a.m.	July 26

* Please note there is a separate Summer 2018 calendar.

** All calendar dates are subject to change.

Financial Aid

Forms of Financial Aid for Graduate Students

- Loans
- Student Employment
- Scholarships
- Graduate Assistantships (See Graduate Assistantships)

Tuition Payment Plan

ESU offers different installment plan options for you to break up your balance into smaller payments each month. These plans offer a flexible method for paying educational expenses from current income through regularly scheduled payments. Please contact the Bursar's Office at billing@esu.edu for more information.

Student Loans

The Student Enrollment Center, located in Zimbar-Liljenstein Hall, welcomes the opportunity to provide information and to assist students. The Financial Aid Office is located within this center.

Please call 570-422-2800 or 1-800-378-6732 to schedule an appointment.

Prospective graduate students should contact the Student Enrollment Center to discuss regulations and processes required in order to determine eligibility for loans and university student employment programs.

The Student Enrollment Center administers the federal educational loan programs available to graduate students. Applicants must complete and submit the Free Application for Federal Student Aid (FAFSA). Students are encouraged to submit the FAFSA online at www.fafsa.ed.gov. Recipients must be enrolled in at least six credits of graduate-level class work and must maintain satisfactory academic progress.

Graduate students doing graduate-level course work may borrow up to a maximum of \$20,500 in an unsubsidized Federal Direct Loan. Graduate students enrolled in **undergraduate-level course work** should contact the Student Enrollment Center to determine eligibility. Total borrowing amounts for the loan term, however, cannot exceed the cost of education less other financial assistance.

After your completed application is received and processed, information from the FAFSA will be electronically transmitted to ESU. The Financial Aid Office will determine your financial aid eligibility. Once eligibility is determined, your financial aid awards will appear on your online portal. If a Direct Loan has been offered, you will need to take action in order for a loan to be originated. Online you may accept the full amount, partial amount or choose to decline the loan. If you are a first-time borrower, you will be required to complete a Master Promissory Note (MPN) and entrance counseling. These can be completed online at www.studentloans.gov.

Teacher Certification Students

Students enrolled in a post-baccalaureate teacher certification program are eligible for Federal Direct Loans at the undergraduate level.

Students simultaneously enrolled in a master's degree program and teacher certification should check with the Office of Student Financial

Aid in the Student Enrollment Center regarding their eligibility for student loans.

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 transcript. Much of the selection process is random. However, some students are selected because the information on the FAFSA is inconsistent.

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 Student Financial Aid.

Once the verification process is complete the student's financial aid can be processed. Failure to complete the verification process may result in the cancellation of all federal financial aid, and will 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.

Satisfactory Academic Progress Policy

A student must maintain satisfactory academic progress (SAP) to continue to receive federal Title IV financial aid. Federal financial aid includes Federal Perkins Loan, Federal Direct Loans, and Graduate PLUS loans.

Federal standards of satisfactory academic progress (SAP) include a qualitative (GPA) measurement, a quantitative measurement, percentage of credits earned (PACE) and a maximum time frame measurement. If one of the measures is not being met, the student is not making SAP. All periods of enrollment are included whether or not the student received federal financial aid during that time.

SAP is measured at the end of each payment period, specifically the end of the fall semester, the end of the spring semester and the end of the summer semester. Winter enrollment will be counted in your spring calculations.

Graduate Students

A student must meet all of the following requirements in order to be making satisfactory academic progress for Title IV aid.

Qualitative Standard (GPA):

- Graduate students (full or part-time) are required to maintain a cumulative GPA of 3.0.
- In addition to cumulative GPA requirements, graduate students in selected programs will not meet SAP requirements if they do not meet specific departmental standards related to "C" grades earned and/or clinical performance. At the end of each payment period (as identified above) the office of Graduate and Extended

Studies will notify the Office of Student Financial Aid of any student in this circumstance.

Quantitative (Pace) Standard:

- Graduate students must complete a minimum percentage of attempted credits (PACE). Students must maintain a minimum pace of 66.67%.
- PACE is calculated by dividing the cumulative credit hours earned by the cumulative credit hours attempted.

Maximum Time Frame:

- Graduate students must complete their degree requirements in five calendar years from the date of matriculation. Students will not be eligible to be placed on a financial aid warning/probation status if they have reached their maximum time frame.
- Appeals to the maximum time frame may be requested if a graduate student should matriculate into a different graduate program, they will begin a new five year academic year time frame only if the new program resides in a different college (i.e., student moves from a graduate program within the East Stroudsburg University College of Education into a graduate program within the East Stroudsburg University College of Health Sciences).

Program Completion:

Once the student completes all the academic requirements for their 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 either the cumulative GPA or PACE satisfactory academic progress requirements will be placed on financial aid warning. Financial aid warning lasts for one payment period (semester) only, during which the student may continue to receive federal financial aid. Students who fail to meet the GPA and PACE satisfactory progress after the warning period will lose their aid eligibility unless they successfully appeal and are placed on financial aid probation, with an academic plan. (See details below). Students who have reached the maximum time frame are no longer eligible for federal aid; they are not eligible for financial aid warning or financial aid probation.

Financial Aid Satisfactory Academic Progress Categories

Financial Aid Warning:

- As stated earlier, a student failing to meet SAP standards, at the time of review, will be placed on financial aid warning for one payment period. The student will be eligible for federal aid during the financial aid warning period.
- A student not meeting SAP standards at the end of the financial aid warning term will not be eligible for federal aid unless they are now meeting SAP standards or if their financial aid appeal has been approved.

Financial Aid Appeal Process/ Financial Aid Probation:

- If, at the end of the financial aid warning term, a student is still not meeting SAP requirements, the student may submit an appeal based on extenuating circumstances only. Examples of extenuating circumstances are personal illness or injury, a death of a close relative, or other special circumstances. The appeal can be completed on the myESU portal and it must outline the reasons that satisfactory academic progress was not met, what has changed that will allow the minimum standards to be met at

the next evaluation and how the student plans to improve their academic progress (i.e. academic plan).

- If the appeal is approved by the financial aid office, the student will be placed on academic probation, with an academic plan, and will be eligible for federal financial aid during a financial aid probationary period. The student's progress will be monitored at the end of one payment period to determine the student is meeting the requirements of the academic plan. If the student is meeting the requirements of the academic plan, the student will be eligible to receive federal aid as long as the student continues to meet the requirements and is reviewed according to the requirements specified in the plan.
- If the appeal is denied, the student will not be eligible for federal financial aid until s/he is meeting satisfactory academic progress standards.

Students will be notified, in writing, by the East Stroudsburg University Office of Student Financial Aid if they have been placed on financial aid warning or financial aid probation.

Academic Forgiveness

Graduate students do not qualify for Academic Forgiveness at this time.

Transfer Credits

Transfer credits accepted toward the student's current program are counted as both attempted and completed credit hours. Grades earned in transfer credits are not included in cumulative GPA.

Simultaneous Enrollment in Undergraduate and Graduate Classes

ESU and the federal government use different rules and regulations to classify students as undergraduate or graduate.

If a graduate student enrolled in a graduate degree program takes six credit hours of undergraduate course work and only three credit hours of graduate course work, the student is considered an undergraduate student and is only eligible for the maximum amount of federal aid for undergraduate students.

There is a significant difference in the amount of federal loan aid available to an undergraduate student and a graduate student. Students who are classified as graduate students in fall and undergraduate students in spring may find that they are only eligible for a small fraction of the federal loan that they would be eligible for in spring if they were classified as graduate students.

Certification-Only Students

Students enrolled in post-baccalaureate certification programs and not simultaneously enrolled in a graduate degree program may not be eligible for federal aid. Check with the Office of Student Financial Aid to determine your eligibility for federal financial aid.

Scholarships

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, community contributions, and private endorsements.

Additional information on scholarships is available online at www.esu.edu.

Graduate Assistantships

Overview of the Graduate Assistantship Program

Graduate & Extended Studies at East Stroudsburg University offers an excellent graduate assistantship program. The primary purpose of the program is to enhance the student's academic experience while pursuing a graduate degree at ESU.

Therefore, graduate assistantships are available to attract the "best and brightest" prospective students to ESU graduate programs and to provide highly qualified graduate students with professional development experiences related to research and leadership in their field of study.

Graduate assistants function under the auspices of graduate faculty on academic, clinical, research, or leadership activities or special projects related to the field of graduate study. Graduate assistant appointments are awarded on a competitive basis to highly qualified students without regard to financial need.

Therefore, the awarding of a graduate assistantship is an honor as well as a scholarship. Graduate Studies is the designated unit on campus to officially offer graduate assistantships to students, based upon the recommendation of an academic department.

Finally, a graduate assistant at all times is subject to all existing and any new policies, procedures, and rules that arise during the term of award and assistantships are based on available funding.

Graduate and Extended Studies offers a variety of graduate assistantships, categorized as follows:

- **Academic or research graduate assistantships** are available to highly qualified graduate students in any degree program. Academic graduate assistants are assigned to function under the auspices of a faculty member in their department. Responsibilities include academic, clinical, or research activities related to the field of study.
- **Administrative graduate assistantships** are available on a limited basis to highly qualified graduate students from any degree program.
- **Frederick Douglass Institute graduate assistantships** are named after Frederick Douglass, the 19th-century American abolitionist. Consideration for this scholarship is in keeping with the spirit of Douglass' life of public service and the university's mission to be a source of encouragement to historically underrepresented and underserved populations who have a commitment to leadership, social involvement, and commitment to education, as evidenced by their professional experiences or professional goals.

Frederick Douglass Institute graduate assistantships are open to applicants with a record of academic achievement and scholarship who demonstrate potential for leadership and ability to promote unity in a civil society.

Students with Frederick Douglass Institute graduate assistantships will be assigned to function under the auspices of graduate faculty in an academic department or administrators to enhance their leadership skills and serve the Frederick Douglass Institute.

- **Residence life graduate assistantships** are available on a limited basis to qualified, full-time graduate students in any degree program.

Residence life graduate assistants are assigned to and receive room in one of the university residence halls and provide services as needed by the Office of Residence Life and Housing in the management of the residence halls.

Residence life graduate assistantships require availability one week before and after the academic semester, as well as on evenings and weekends throughout the semester.

Eligibility Criteria for a Graduate Assistantship

Eligibility criteria for full consideration for a Graduate Assistantship at ESU include the following criteria:

1. **Admission decision** – An applicant must receive an admission decision of Admission, Pre-Candidacy (Full) or Admission, with Conditions.
2. **Academic qualifications** – All applicants must be highly qualified academically. For new students, an undergraduate grade point average of at least 3.0 (on a 4.0 scale) overall, and 3.0 in the major; a grade point average of 3.0 or higher in graduate coursework; or other evidence of high academic achievement is required. Continuing graduate students must be in Academic Good Standing.
3. **Enrollment status** – An applicant must be enrolled a minimum of nine graduate credits for the semester for which the Graduate Assistantship is awarded.
4. **Additional requirements** – Some graduate assistantships have additional eligibility criteria, such as initial certification, specialized skills, or other attributes/qualifications.

Exceptions to these eligibility requirements may only be made upon written recommendation of the student's academic department, endorsed by the student's college dean, and with the approval of the director of Graduate & Extended Studies.

Application for a Graduate Assistantship

A completed application for a graduate assistantship at ESU will include the following components:

Graduate assistantship online application form with supporting documents – A complete online application including all required supporting documents must be submitted through ESU's Human Resources website.

Applicants for Frederick Douglass Institute graduate assistantships are required to submit the specified Frederick Douglass personal statement.

Applicants for a graduate assistantship must have a complete application package on file with the office of Graduate Studies, including the Application for Admission, official transcripts, letters of recommendation, goal statement, application fee, and documentation of additional program requirements.

Prospective graduate students who meet the eligibility criteria are encouraged to submit their online Graduate Assistantship Application concurrently with their Application for Admission to the office of Graduate Studies, though interested individuals may apply at any time throughout their graduate studies.

Award of a Graduate Assistantship

Applicants for a Graduate Assistantship are notified of their selection and offer of an assistantship by a letter from the Graduate Studies office. The Graduate Assistantship Award Letter will outline the details of the award. Graduate Assistantships may be offered for an academic year, a semester (fall/spring), or a summer session, with award levels as follows:

- Full Graduate Assistantship (100 percent)
- Partial Graduate Assistantship (75 percent)
- Partial Graduate Assistantship (50 percent)

Typically, applicants will be notified of an offer for the fall semester or an academic year in May, June, July, or August; for the spring semester in November or December; and for the summer session in May or June.

Late appointments may be made due to changes in award availability, resignations, or dismissals.

Upon receipt of an offer, applicants are expected to follow the guidelines, as stipulated in the award letter, to accept the offer. Failure to complete all requirements by the due dates will result in forfeiture of the offer of a graduate assistantship.

Finally, of important note, while graduate faculty in academic departments and administrators may recommend applicants for a graduate assistantship, only Graduate Studies can authorize the awarding of a graduate assistantship. Therefore, applicants should await an official offer letter from the graduate director.

Professional Duties

The award of a graduate assistantship includes professional duties performed under the supervision of a graduate faculty or administrator. The Graduate Assistantship Award Letter will specify the name and position of the graduate faculty or administrator and the unit in which the duties are to be performed. The extent of hours will be specified, commensurate with the award level, as follows:

- Full Graduate Assistantship (100 percent) – 20 hours per week (600 hours per academic year; or 300 hours per semester)
- Partial Graduate Assistantship (75 percent) – 15 hours per week (450 hours per academic year; or 225 hours per semester)
- Partial Graduate Assistantship (50 percent) – 10 hours per week (300 hours per academic year; or 150 hours per semester)

Graduate assistants are expected to meet with their supervisor before the start of the assistantship to discuss professional expectations and work duties.

Graduate assistants are expected to perform assigned professional responsibilities and demonstrate good work habits.

Additionally, graduate assistants are expected to maintain good academic standing and satisfactory progress toward their degree.

Compensation

Graduate assistantships provide financial compensation for the work or professional duties performed.

The total amount of the compensation correlates with the award level, as follows:

- Full Graduate Assistantship (100 percent) \$5,004 per academic year; or \$2,502 per semester
- Partial Graduate Assistantship (75 percent) \$3,753 per academic year; or \$1,876 per semester
- Partial Graduate Assistantship (50 percent) \$2,502 per academic year; or \$1,251 per semester

Graduate assistants are compensated for the work performed on an hourly basis, paid on a biweekly schedule.

Tuition Waiver

In addition to the compensation for the professional duties or functions performed, graduate assistantships offer a waiver of in-state tuition, commensurate with the award level, as follows:

- Full Graduate Assistantship (100 percent) 100 percent in-state tuition waiver or 9 credit hours/semester
- Partial Assistantship (75 percent) 75 percent in-state tuition waiver or 7 credit hours/semester
- Partial Graduate Assistantship (50 percent) 50 percent in-state tuition waiver or 4.5 credit hours/semester

In order to receive the tuition waiver specified for the award level, graduate assistants are required to perform the specified number of hours of work or professional duties. Graduate assistants are responsible for all non-tuition fees required of graduate students.

Academic Load

During the academic year, all graduate assistants must register for a minimum of 9 credit hours of graduate coursework per semester. During the summer sessions, all graduate assistants must register for the specified credit hours of graduate work.

Resignation or Dismissal

Graduate assistants may resign a graduate assistantship position due to professional or personal reasons. However, customary with professional standards of practice, a letter of resignation and advance notice are preferred to allow for transition of the position. If the resignation occurs during the course of an academic semester, compensation and tuition waiver will be pro-rated to the date of the resignation. A student who resigns a graduate assistantship position in good standing may reapply and accept another award in the future if eligibility criteria are met.

Graduate assistants are expected to follow all university policies and procedures in fulfillment of their work and academic responsibilities. Failure to perform professional duties, demonstrate good work habits, maintain good academic standing, or follow university policies and procedures will result in corrective or disciplinary measures, from mentoring and coaching to potential termination of the graduate assistantship award.

Overview of the Graduate Student Worker Program

Graduate & Extended Studies at East Stroudsburg University offers an excellent graduate student worker program. The primary purpose of the Graduate Student Worker Program is to provide university departments and units a student workforce in specific job areas and

to support the students' need to obtain practical work experience. Positions requested must reflect a need for a highly specialized trained student with advanced knowledge of the work field. Graduate Student Workers need to possess a highly maintained set of technical skills and should be working in a field related to their academic pursuit. Graduate & Extended Studies is the designated unit on campus to offer Graduate Student Worker positions to departments and other units on campus. Graduate Student Worker positions do not include tuition waivers.

The Request for a Graduate Student Worker Position is a request for a GSW position for the current year only. If a unit is awarded a GSW position, then the review of graduate student worker applications or recommendation of a current graduate student for the position will follow. Once again, the office of Graduate Studies is the designated unit to make an official offer of a Graduate Student Worker to a student. To be eligible to receive a Graduate Student Worker position, graduate students must be admitted into a graduate program, enrolled in a minimum of 4.5 credits, and in academic good standing.

New students who have not yet established academic standing in Graduate and Extended Studies are required to have a 3.0 GPA as an undergraduate, both overall and in their major.

A full-time Graduate Student Worker position offers a graduate student 20 hours of work experiences per week (300 hours per semester, or 600 hours per academic year) with a stipend between \$8.34-\$15.00/ an hour.

A half-time Graduate Student Worker position offers a graduate student 10 hours of work experiences per week (150 hours per semester, or 300 hours per academic year) with a stipend between \$8.34-\$15.00/ an hour.

For Further Information

For further information about the Graduate Assistantship or Graduate Student Worker program at East Stroudsburg University, please contact the Graduate & Extended Studies office at 570-422-3536 or grads@esu.edu.

Academic Regulations

Master's Degree Policies

Academic Degrees Conferred

Graduate & Extended Studies at East Stroudsburg University offers graduate programs that prepare students for a complex, changing global society, with four master's degree designations – Master of Arts, (M.A.), Master of Education (M.Ed.), Master of Public Health (M.P.H.), and Master of Science, (M.S.) – in more than 20 academic majors or fields of study.

The master's degree programs traverse each of the university's four colleges – College of Arts and Sciences, College of Business and Management, College of Education, and College of Health Sciences.

Credit Requirements

Most M.A., M.Ed., and M.S. degree programs require 30 to 36 credit hours of coursework beyond the baccalaureate level; however, the number of credit hours required for the master's degree varies with the type of degree and whether the student is required to write a thesis.

Some clinically-based Master of Science (M.S.) programs, and professional master's degrees, such as the Master of Public Health (M.P.H.), require 42 credit hours or more. Many of these degrees, however, do not require the student to complete a thesis.

Academic Major and Concentration

The academic major represents the sequence of courses and experiences constituting the major field of study and culminating in the master's degree. Some academic majors or programs of study offer the student the opportunity to select a concentration (e.g., focused area of study, track, specialization, emphasis) within the major field.

Program Option

Many of ESU's master's degree programs offer the student the opportunity to select a program option, typically a thesis or non-thesis option.

Admission to Candidacy

All master's degree students who received an admission decision of Admission, Pre-Candidacy are expected to submit a Plan of Study before the completion of 12 credit hours.

Subsequent to submission of the Plan of Study, students are reviewed for Admission to Candidacy. To be admitted to candidacy, a student must be in Academic Good Standing and have fulfilled any requirements stated by the department or director of Graduate & Extended Studies.

Master's degree students who received an admission decision of Admission, with Conditions must first fulfill all conditions, as stated on the admission decision letter, and have their status upgraded to Admission, Pre-Candidacy in order to be reviewed for Admission to Candidacy.

A master's degree candidate must remain in academic good standing in order to be eligible to graduate.

In-Residence and Transfer Credits

Individual graduate programs at ESU may establish requirements for credits taken "in residence" and transfer credits, allowing up to one-third of the credits meeting program requirements to be accepted as transfer credits. Graduate programs that wish to allow the acceptance of more than six transfer credits, up to one-third of the credits meeting program requirements, must follow the process for approval of program requirements/transfer credits to set the higher limit of transfer credits for the program.

Transfer credits must have been completed at a regionally accredited institution, within the past six years, and the grade earned must be at least a "B" or its equivalent. Also, the credits must not have been utilized to fulfill requirements for a degree earned at that institution. Transfer credits must be approved and incorporated in the Plan of Study.

Culminating Experiences

All master's degree programs at ESU require a culminating experience. This requirement may be met through a thesis, research project, or comprehensive examination, or in some cases this requirement can be met through integrative experiences, such as practicum, internships, and other field work that synthesize theory and practice.

Graduate & Extended Studies outlines the process and timeline for all culminating experiences. Failure to adhere to guidelines may delay a student's graduation.

Application for Graduation

All candidates for the master's degree are required to submit a complete and approved Application for Graduation during the semester in which program completion and graduation are anticipated, as follows:

Anticipated Graduation	Application Due Date
May	February 15
August	May 9
December	September 15

Statute of Limitations

All program requirements for a master's degree, including program credits earned or accepted by transfer, examinations, internships or field experiences, and research requirements must be completed within six years from the date on initial registration in the program. A leave of absence may be requested for professional or personal reasons; the time during the leave of absence does not count toward the maximum timeframe for completing degree requirements. An extension to the statute of limitation for program completion may be requested; the extension must be submitted and fully approved before the expiration of the six-year maximum timeframe.

General Policies

Academic Integrity Policy

East Stroudsburg University is committed to promoting a climate of openness and honesty among all members of the university community. In order to foster an environment suitable for the development of academic excellence, it is imperative that all

members of the academic community uphold the principles of academic integrity in all scholarly endeavors.

Academic integrity implies that students are solely responsible for their work and actions while members of the ESU community. In accordance with this pursuit, students are responsible for knowing the rules and conditions under which university credit may legitimately be obtained.

Violations of academic honesty will be viewed with the utmost seriousness and appropriate sanctions will be applied.

It shall be deemed an academic offense if a student commits any of the following:

- During a test or examination, uses any material not authorized by the instructor.
- Provides or receives assistance in an examination, test, assignment, paper or project in a manner not authorized by the instructor.
- Buys, sells, engages in unauthorized exchange, or uses any tests or examinations in advance of their administration.
- Buys, sells, engages in unauthorized exchange or improperly using any assignments, papers or projects.
- Presents as his or her own, for academic credit, the ideas or works of another person(s), scholastic, literary or artistic, in whole or in part, without proper and customary acknowledgment of sources, and in a manner which represents the work to be his or her own.
- Falsifies or invents information, data, or research material.
- Obtains information in a way contrary to the stated policies of the course, and/or the university as stated herein.
- Attempts to bribe or coerce any university employee or student in order to gain academic advantage.
- Colludes with others in order to circumvent academic requirements.
- Substitutes for another student, or arranges for substitution by another student, or misrepresents oneself as another person during a test or examination whether in person or using electronic or telephonic communication.
- Alters, changes, or forges university academic records, or forges faculty, staff, or administrative signatures on any university form or letter.
- Submits any false record in pursuit of university credit.

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 Judicial Process and Regulations and the Student Code of Conduct.

Academic Good Standing

Graduate and post-baccalaureate students at East Stroudsburg University are expected to maintain high academic standards. All graduate and post-baccalaureate students must maintain a cumulative grade point average (GPA) of 3.0 or higher in all coursework in order to be in academic good standing. In the first 6 credits of a graduate program (early pre-candidacy), an overall GPA of

2.5 or higher will be accepted as academic good standing. A graduate student must be in academic good standing to be admitted to degree candidacy and to graduate. Some graduate and post-baccalaureate programs may have more stringent requirements for academic good standing.

Academic Probation and Dismissal

Students who fall below academic good standing are placed on academic probation. Students placed on academic probation must raise their cumulative grade point average (GPA) to 3.0 or higher within the next nine credit hours.

Students who fail to raise their cumulative average to at least 3.0 by the end of their probation period will be dismissed from their program, as well as from Graduate & Extended Studies.

Academic Dismissal Return: "All applicants seeking to be (re)admitted to graduate study after being previously dismissed must include a written statement explaining the reason(s) why their application should be considered."

Course Repeats

Graduate students are required to earn a grade of "C" or higher in all coursework in order to progress in their program of study and in Graduate & Extended Studies, with a maximum of three grades of "C" across the program.

Students may repeat only one course for grade improvement for each graduate program. The course may be repeated one time, for a total of two attempts. If a student has not earned a grade of "C" or higher after a second attempt, then the student will be dismissed from the graduate program and Graduate & Extended Studies.

Credits for a repeated course will be counted only once, and the hours and grade earned when the course was last taken will be used to compute the grade point average. However, all attempts will continue to appear on the transcript. Some graduate programs may have more stringent requirements for course grades and course repeats.

Post-baccalaureate Students

Post-baccalaureate students are expected to earn a grade of "C" or higher in all coursework, graduate and undergraduate, in their post-baccalaureate career.

Post-baccalaureate students may repeat up to two courses for grade improvement. Each course may be repeated one time, for a total of two attempts. If a student has not earned a grade of "C" or higher after a second attempt, then the student will be dismissed from the post-baccalaureate program and Graduate & Extended Studies.

Credits for a repeated course will be counted only once, and the hours and grade earned when the course was last taken will be used to compute the grade point average. However, all attempts will continue to appear on the transcript.

Grading System and Quality Points

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. Work completed at other colleges and accepted as transfer credit is not considered in computing the grade point average.

Each credit grade is calculated as follows:

Grade Symbol	Quality Points
A	4.000
A-	3.667
B+	3.333
B	3.000
B-	2.667
C+	2.333
C	2.000
C-	1.667
D	1.000
E	0

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 3-semester-hour course requires more work than in a 2-semester-hour course. Owing to this, the university follows a system which recognizes both the quality and quantity of a student's work.
3. 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 credits for the course.
4. 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 credits scheduled. This average considers both the quality and quantity of work.
5. 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.

Grade Reports

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

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

Course Withdrawal

Course withdrawals, subject to the conditions described below, may be accomplished by completing a Drop Card and obtaining the instructor's signature. Withdrawals must be officially recorded at the Student Enrollment Center. Any student who discontinues attendance in a course without formally withdrawing will be assigned a final grade of "E."

During the first week of the semester a student may withdraw from a course and have no record of that course appear on the student's permanent record.

After the first week through the 10th week, a student who withdraws will receive a grade of W for that course on the student's permanent record.

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 graduate dean's signature on the drop card.

A grade of "W" will be assigned if the student is passing; "Z" will be assigned if the student is failing.

Time periods for withdrawals during a semester and summer session are as follows:

Withdrawal Action	Withdrawal Time Period		
	Semester	3-week session	6-week session
NO RECORD	1st week	1st day	2 days
'W' GRADE:	2nd-10th week	2nd day-2nd week	3rd day-4th week
NO WITHDRAWAL:	11th-15th week	3rd week	5th-6th weeks

Incomplete Grades

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 term.

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."

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.

Students registered for thesis credits will be assigned the letter "O" (Ongoing) instead of "I" while completing their research.

Ongoing Grades

Students registered for thesis credits will be assigned the letter "O" (Ongoing) instead of "I" while completing their research.

Course Auditing

Graduate students may audit a course if permission has been granted by the course instructor (Permission to Audit card). Auditors must pay normal tuition and related fees. A change of registration from credit to audit or from audit to credit may occur only during the first week of the semester.

An auditor will, with permission from the instructor, participate in class discussion, do practicum work, take examinations, and share generally in the privileges of a class member. If the student completes all course requirements, an "audit" notation is posted to the student's academic record.

No student who is required to carry a certain number of credits may count among those credits the credit for an audited course.

Dual-Level Courses

Graduate students who enroll in dual-level courses as graduate credit should be aware that dual-level courses commonly require more advanced work and additional requirements than required of undergraduate students taking the same course. Dual-level courses with graduate credit taken while a student was an undergraduate may be approved for the graduate program if the course did not count toward the requirements for the baccalaureate degree.

Academic Correspondence

Correspondence from the office of Graduate & Extended Studies to graduate students is mailed to the permanent address of record or university e-mail account. Therefore, graduate students are required to notify Graduate & Extended Studies of any changes in mailing address and other contact information on a timely basis.

Commencement

For December Graduate Commencement, graduate students who have fulfilled all program requirements are eligible to participate.

For May Graduate Commencement, graduate students who have fulfilled all program requirements are eligible to participate.

Graduate students enrolled in cohort programs which conclude in the Summer Session, and who are in academic good standing and who have been admitted to candidacy, are eligible to participate. Graduate students in other programs, who are in academic good standing, have been admitted to candidacy, and scheduled to complete their degree program in Summer Session, are eligible to participate.

All graduation applications require departmental approval.

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.

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 three times 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.

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 20 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

Spring

Men: Baseball, Outdoor Track and Field Women: 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.

Recreation Center Leagues

Recreation Center Leagues offer students the ability to participate and 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 Men's, Women's, and Co-Ed 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 Science and Technology building.

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 eight 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: Concerts, Coffeehouse, Out and About, and Special Events. CAB is also involved with planning and promoting activities during Welcome Week, Family Weekend, Homecoming, and Community on the Quad.

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, convenience store, health center and selected vending machines, library, and campus dining facilities. The off-campus sites that currently accept the E-Card include Burger King, Chili's, Cluck-U Chicken, CVS, Domino's Pizza, Goomba's Pizza, Holy Guacamole, McDonalds, Palumbo's Pizza, Paradise Tanning, Pizza Hut, and South Beach Tanning. 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, and the University Apartments complex. 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.

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

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

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, typically the graduate program coordinator, from the student's major department serves as the academic adviser throughout the student's career at the university.

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. CM & S is a member of the Northeast Regional Ministry in Higher Education, and is a member of the Monroe County Clergy Association. 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.

CM & S helps the local community in the following areas:

- Big Brothers/Big Sisters
- Habitat for Humanity
- Local soup kitchens
- Food pantries
- Schools and youth 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 an independently governed and operated affiliate of the university. It is accredited by the National Association for the Education of Young Children 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 a director, six teachers, and work-study students. 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 18 months and 5 years of age. *Call 570-422-3514 for information about enrollment and fees.*

Marching Band, Jazz Band and Orchestra 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.

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. A full schedule of campus activities is located in the commuter Lounge.

Commuter Leagues: Recreational activities that take place Thursdays with popular sports like dodge-ball, kickball and more.

Commuter Lounge: The Commuter Lounge is located in the University Center on the first floor. The lounge is equipped with a television, microwave, and plenty of study and relaxation space. Lockers are also located in the lounge. The locker rental is free for students but students must register with the University Center Information Desk to be assigned a locker.

Counseling and Psychological Services (CAPS)

The 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.

Fraternities and Sororities (Greek Life)

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.

All ESU Greek organizations strive to excel in all areas of student life including: academics, community service, leadership, social and

personal development. Being “Greek” provides a unique, diverse experience where students learn teamwork, time management, financial and organizational skills, and the importance of friendship and social responsibility that will help them as they become alumni and enter “the real world.” Fraternity and sorority members are actively involved in extracurricular activities at ESU including intercollegiate athletics, club sports, and Recreation Center Leagues.

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) and College Panhellenic Council (CPH) 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.

To be eligible for membership in a fraternity or sorority at ESU a student must be at least a second-semester freshman, enrolled in at least twelve credits, and have a minimum of a 2.5 Cumulative Quality Point Average (transfer students must have completed at least twelve credits at ESU and have a minimum of a 2.5 Cumulative Quality Point Average). For a list of recognized fraternities or sororities eligible to extend invitations to membership contact the Coordinator of Greek Life/Student Volunteer Services at 570-422-3775

Learning Center

The Learning Center provides academic supportive services to the entire ESU community and houses the Tutoring Program and a computer lab. Peer tutoring and drop-in-tutoring labs. Test preparation are available to all students. The Learning Center, located in Rosenkrans East, is open Monday through Thursday from 8 a.m. to 8 p.m., Friday from 8 a.m. to 4:30 p.m., for tutoring, studying and computer use.

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 on the third floor of the Science and Technology Building, 108 Normal Street. Normal hours of operation are 8a.m. to 4:30p.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 Workplace 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 Employee Relations and Workplace Diversity, 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.*

Campus Rec & Wellness

Campus Rec & Wellness offers facilities, equipment and services that provide opportunities for physical activity, leadership experience and education in order to promote the lifelong pursuit of recreational activities and healthy lifestyles. The comprehensive program includes group fitness, special events, personal training, leagues and club sports. In addition to programming, the department employs over 75 students who are directly responsible for the operation of the facilities and programs.

Facilities: Campus Rec & Wellness operates two student recreation facilities on campus. Completed in August 2003, the Mattioli Recreation Center is a 58,000 square foot state of the art 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, a rope climber, and virtual reality cycling; 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 personal training office.

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, dodgeball, Fitness Assessment Day, team handball 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.

Leagues: 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 Campus Rec & Wellness's Service Desk at 570-422-2970.

Residence Hall Association

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

Social, Cultural Activities and Global Week

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

Speech and Hearing Center

The Speech and Hearing Clinic, located in Monroe Hall, is operated by the Communication Sciences & Disorders Department 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 to students and employees of the university. *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. 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 lodge reservations, call Stony Acres directly at 570-223-8316. Cabin reservations and other information may be obtained by contacting the University Center at 570-422-3749.*

Student Government

The Student Senate 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.

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

The University-Wide Tutorial Program (UWTP), offers free individual and small-group tutoring in most 100- and 200-level undergraduate courses. Students may request tutors in one or more courses by completing the appropriate forms, which are available in the Learning Center in Rosenkrans East. In addition to individual and small group tutoring, drop-in tutoring labs are available in a variety of high demand subject areas. These labs require no scheduled appointments. Supplemental Instruction is also offered for selected high risk courses. For further information, call 570-422-3515 or visit the UWTP website at esu.edu/tutoring.

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.

The University Store also operates a separate/connected convenience store that features snacks, sodas, juices, frozen microwavable foods, health and beauty aids, cards and supplies. The entrance is on the university plaza near the bridge and is open Monday through Thursday, 7:30 a.m.-7:00 p.m., Friday, 7:30 a.m.-5:00 p.m. and Saturday, 11:00 a.m. - 3:00 p.m. Hours are subject to change. 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. The center is equipped with comfortable furniture, TV 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.

Women's Center

The ESU Women's Center, located at 411 Normal Street, provides a drop-in center and a networking environment for all campus women - students, faculty and staff. In addition, the Women's Center offers educational programs on a variety of topics of importance to women, supports political action for social change relevant to women, maintains a resource library on women's issues, and sponsors student attendance at women's conferences and other special events for National Women's History Month in March. The Center's themes include: celebrations of women, feminism, women's rights, advocacy for victims of sexual assault, women's studies, multicultural women's issues, women and leadership, women's career development, women's health and wellness, and socialization.

The ESU Women's Center emphasizes and encourages the involvement of individuals and diverse groups of all races and ethnicities, genders, sexual orientations, ages and physical abilities. Its mission is to provide a supportive environment for discussion, knowledge, and programming that celebrates, empowers, and recognizes women and equality for all. For further information, visit 411 Normal Street, call 570-422-3957, or access: esu.edu/womenscenter

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

Radio Station (WESS FM)

Students interested in radio broadcasting or in any aspect of radio station work have an opportunity to gain experience by working with WESS 90.3 FM, the student-oriented and operated educational radio station. The station's format is "diversified" and includes vintage radio shows, BBC world news, sports, talk shows, as well as many music genres such as alternative, classical, sports, rap and modern rock.

Calliope - ESU's Literary Magazine

Calliope produces ESU's student -edited literary magazine, as well as the Calliope online literary journal.

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.

Overview of Graduate Programs

ESU's graduate programs prepare students for a complex, changing global society, with master's degrees – Master of Education (M.Ed.), Master of Arts (M.A.), Master of Science (M.S.), and Masters of Public Health (M.P.H.) – in 22 fields of study.

Upon successful completion of an ESU master's degree, students will be able to:

Mastery of Specific Discipline

- Demonstrate advanced knowledge and skills.
- Apply knowledge and skills in academic, professional, or research settings.

Professional and Ethical Behavior

- Demonstrate the standards of ethics and conduct in their profession.
- Comprehend the impact of their professional actions upon themselves and others while working diligently to achieve positive outcomes.

Research

- Be proficient in performing and/or understanding the research process.
- Read, analyze and write consistently within the standards of their field.

Communication

- Communicate effectively in a variety of modes as required in a discipline specific professional setting.

Critical, Innovative, and Creative Thinking

- Identify and analyze critical issues for holistic understanding.
- Challenge and evaluate information.
- Synthesize and integrate knowledge.
- Formulate new ideas.

Additionally, ESU offers the Doctor of Education (Ed.D.) in Educational Leadership and Administration.

Finally, Graduate Studies, in cooperation with academic departments across the campus, offers more than 15 post-baccalaureate certification preparation programs.

The following is a current list of master's degree, certificate of recognition, doctoral, and state and national certification preparation programs, with the ESU academic department in which they are housed:

ESU Master's Degree Programs

Athletic Training, M.S.

Biology, M.Ed., M.S.

Clinical Exercise Physiology, M.S.

Communication Sciences & Disorders, M.S.

Computer Science, M.S.

Teaching the Developing Child, M.Ed.

Exercise Science, M.S.

Academic Department

Athletic Training

Biological Sciences

Exercise Science

Communication Sciences & Disorders

Computer Science

Early Childhood & Elementary Education

Exercise Science

General Science, M.S.

Health Education, M.S.

History, M.Ed., M.A.

Information Security, M.S.

Instructional Technology, M.Ed.

Management & Leadership, M.S.

Organizational Behavior

Public Administration

Sport Management

Political Science, M.A.

Professional and Digital Media Writing, M.A.

Professional & Secondary Education, M.Ed.

Public Health, M.P.H.

Reading, M.Ed.

Special Education, M.Ed.

Sport Management, M.S.

Geography, Physics, Biology, Chemistry

Health Studies

History

Computer Science

Digital Media Technologies

Business Management

Political Science

Sport Management

Political Science

English

Professional & Secondary Education

Health Studies

Reading

Special Education & Rehabilitation

Sport Management

Doctoral Degree Programs

Educational Administration and Leadership, Ed.D.

Academic Department

Professional and Secondary Education

Behavior Analyst Certification Board, Inc. Certification Preparation Programs

Behavior Analyst & Rehabilitation

Applied Behavior Analyst & Rehabilitation

Academic Department

Special Education

Special Education

Pennsylvania Department of Education Approved Certification Programs

Instructional I, Specialist, Supervisor, etc.

Biology (7-12)

Chemistry (7-12)

Earth & Space Science (7-12)

English (7-12)

English as a Second Language

French (7-12)

General Science (7-12)

German (7-12)

Mathematics (7-12)

Physics (7-12)

Social Studies (7-12)

Spanish (7-12)

Speech & Language Impaired (N-12)

Academic Department

Biological Sciences

Chemistry

Physics

English

Early Childhood & Elementary Education

Foreign Languages

Physics

Foreign Languages

Mathematics

Physics

History

Foreign Languages

Communication Sciences & Disorders

Instructional Technology Specialist (K-12)	Media Communications & Technology
Principal (K-12)	Professional & Secondary Education
Reading Specialist (K-12)	Reading
Special Education Supervisor	Special Education & Rehabilitation
Superintendent, Letter of Eligibility	Professional and Secondary Education

ESU also offers a program that prepares a teacher to become a National Board Certified Teacher (NBCT), available through the National Board for Professional Teaching Standards (NBPTS). This certification preparation program is coordinated by the Department of Professional and Secondary Education with assistance from the Office of Graduate and Extended Studies.

Programs and Course Descriptions

Educational Leadership and Administration

College of Education

Department of Professional and Secondary Education

Stroud 209

570-422-3363

www.esu.edu/psed

Educational Leadership and Administration Graduate Faculty

Doctoral Coordinator:

Douglas Lare, Ed.D., (dlare@esu.edu)

Assistant Professor:

Stephanie McCall, Ed.D., (smccall@esu.edu)

Educational Leadership and Administration Ed.D.

Purpose of Degree:

The doctoral program in Administration and Leadership Studies is designed for future school superintendents and K-16 school leaders. The program offers a rich mix of theory and application. In addition to traditional coursework, the program promotes skills in conducting research.

Program Highlights:

- Doctoral candidates will remain together as a cohort group throughout the program.
- All classes will meet five times per semester on a Friday and Saturday. All classes will be presented in a seminar format that combines theory and application. The program is designed to accommodate the participants' work schedules.
- During a fall leadership retreat, guest speakers, former doctoral students conducting research and professional consultants offer experience and best practices related to leadership skills and management techniques.
- Candidates who successfully complete the program receive a doctor of education (Ed.D.) degree from East Stroudsburg University.
- Candidates who satisfactorily complete this program may apply for the Superintendent's Letter of Eligibility. The Pennsylvania State Department of Education also requires five years of educational administrative experience.

DEGREE REQUIREMENTS

Required courses

PSED 701	Leadership Theory	3
PSED 702	Leadership: A Case Study Approach	3
PSED 703	Leadership: Applied Practice	3
PSED 705	Curriculum Analysis	3
PSED 710	Advanced Topics Human Development	3

PSED 720	Doctoral Seminar in Advanced Research Methods	3
PSED 725	Critical Analysis of Issues and Innovations in Education	3
PSED 730	Analysis of Effective Instruction	3
PSED 750	School and Community	3
PSED 751	Conflict Resolution	3
PSED 758	School Law and Negotiations	3
PSED 760	School Finance	3
PSED 781	Special Topics in Education	3
PSED 782	Research Instrument Design for Leadership Studies	3

Must be taken twice:

PSED 783	Analysis of Qualitative Data in Leadership Studies	3
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PSED 798	Internship	3
PSED 950	Dissertation	1 - 9

PROPOSED SCHEDULE:

Year 1 — First Term

PSED 701	Leadership Theory	3
PSED 710	Advanced Topics Human Development	3

Year 1 — Second Term

PSED 725	Critical Analysis of Issues and Innovations in Education	3
PSED 720	Doctoral Seminar in Advanced Research Methods	3

Year 1 — Third Term

PSED 783	Analysis of Qualitative Data in Leadership Studies	3
PSED 660	School Finance	3

Year 2 — Fourth Term

PSED 702	Leadership: A Case Study Approach	3
PSED 730	Analysis of Effective Instruction	3

Year 2 — Fifth Term

PSED 782	Research Instrument Design for Leadership Studies	3
PSED 651	Conflict Resolution	3

Year 2 — Sixth Term

PSED 650	School And Community	3
PSED 658	School Law and Negotiations	3

Year 3 — Seventh Term

PSED 703	Leadership: Applied Practice	3
PSED 705	Curriculum Analysis	3

Year 3 — Eighth Term

PSED 681	Special Topics In Education	3
PSED 798	Internship	3

*Year 3 — Ninth Term**Written and Oral Comprehensive Exams*

PSED 798	Internship	3
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*Required in Year 3 — Spring, summer, and fall**Completion of dissertation*

PSED 950	Dissertation	1 - 9
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PSED - Prof and Secondary Education**PSED 650 - School And Community (3 credits)**

This course focuses on the development and maintenance of a purposeful program of communication between the school and the community through study of selection, organization, and functions of citizen advisory committees and cooperative use of various community services.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the IUP Educational Leadership Program.

PSED 651 - Conflict Resolution (3 credits)

This is an applied course focusing on the resolution of conflict between groups and a third party. Specifically examined are the techniques of negotiation, mediation, and conciliation. Simulation and role-play are utilized as well as readings in theory and case study.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the IUP Educational Leadership Program. .

PSED 658 - School Law and Negotiations (3 credits)

A case study approach is utilized in this course where students read, present, and discuss cases reflecting current issues of interest in School Law. Case law, as opposed to statutory or administrative law, is emphasized in this approach. Students are expected to assume a leadership role in discussion of the cases they present. The course format features a high degree of student involvement, discussion, and interaction. Due to the non-traditional scheduling format of the course, preparation which must be completed between class sessions is typically much more extensive.

Distribution: Advanced.

PSED 660 - School Finance (3 credits)

Budgeting procedures for large and small school districts are the focus of this course. School budgeting, accounting, bonding, and various monetary applications are presented as well as the various procedures for acquiring funds.

Distribution: Advanced.

PSED 681 - Special Topics In Education (3 credits)

This course is designed for the advanced graduate student who wishes to do independent research in special area. Enrollment is limited to students enrolled in the IUP Doctoral Program in

Administration and Leadership studies. Prerequisites: Admission to and satisfactory progress in a cohort group in the IUP Educational Leadership Program.

Distribution: Advanced.

PSED 701 - Leadership Theory (3 credits)

The purpose of this course is to explore the concept of leadership and principles of learning. The student will develop a theoretical position regarding personal administrative style. Possible dissertation topics will be explored.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 702 - Leadership: A Case Study Approach (3 credits)

This course examines cases of transition, reorganization, or redesign in order to gain insight into both the psychological and sociological aspects of successful leadership in changing environments. It exposes students to fundamental methods for data collection using case methodology.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 703 - Leadership: Applied Practice (3 credits)

This course is designed to prepare doctoral students in leadership studies to develop and implement a field project that incorporates leadership and policy theories learned in previous courses. Various approaches and issues associated with design and implementation of a field project will be examined. Through an exploration of the literature, critique of theories, and direct hands-on exercises, students will be able to build competency in integrating leadership theories and research methods into their own field project.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 705 - Curriculum Analysis (3 credits)

This course is designed to prepare doctoral students with a critical analysis of curriculum theory and research. Various approaches will be examined, with emphasis on the unique theoretical and methodological contributions of philosophical, psychological, and social approaches to the field of curriculum. Through an exploration of the literature, critique of theories, and direct hands-on exercises, the student will be able to build competency in integrating effective curriculum analysis into the student's own educational praxis.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 710 - Advanced Topics Human Development (3 credits)

Students will evaluate and apply development theory as it pertains to the adult learner in environments of complex decision-making. This course introduces students to adult development from a biopsychosocial theoretical framework and guides them to explore how these factors influence their personal development. Students will apply course readings to contemporary leadership issues.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 715 - Writing for Professional Publication (3 credits)

Students will evaluate and apply development theory as it pertains to the adult learner in environments of complex decision-making. Students will apply course readings to contemporary leadership issues. Prerequisites: Admission to and satisfactory progress in a cohort group in the IUP Educational Leadership Program.

Distribution: Advanced.

PSED 720 - Doctoral Seminar in Advanced Research Methods (3 credits)

This course is designed to provide doctoral students in educational leadership with basic knowledge and skills in quantitative and qualitative educational research. Student will be required to review and abstract research articles. The students will learn to read and write about educational research in a non-threatening, supportive manner. Through step-by-step, hands-on exercises, students will be able to build competencies in conducting research in the field of education leadership.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 725 - Critical Analysis of Issues and Innovations in Education (3 credits)

This course examines current issues and innovations which are influencing reform in basic and post-secondary (K-16) education. Relationships between research, policy making, and implementation will be emphasized. The effects of the political, social, and cultural contexts on the reforms will be examined.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 730 - Analysis of Effective Instruction (3 credits)

This course explores reflective practice as it relates to the design, implementation, and evaluation of instruction at all educational levels K-16. Emphasis is also placed on supervision responsibilities of educational leaders for faculty, administrators, and staff in educational institutions. Topics include contemporary models of supervision, generational and cultural differences, and research on supervision, teaching and learning at all levels K-16.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 750 - School and Community (3 credits)

This course focuses on the development and maintenance of a purposeful program of communication between the school and the community through study of selection, organization, and functions of citizen advisory committees and cooperative use of various community services.

Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 751 - Conflict Resolution (3 credits)

This course provides students with an in-depth analysis of conflict resolution in many settings, primarily in employment relationships. Current theory in conflict resolution; the legal, ethical, and emotional issues that are common in disputes; and the format by which employment disputes are resolved will be examined. Students will also explore and define their own conflict resolution style. A seminar format, skill-building in the concepts and theories of conflict

resolution and interest-based negotiation, analysis of readings, and experiential activities will be essential components of the class.

Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 758 - School Law and Negotiations (3 credits)

This course is designed to help future school and university officials understand the sources of law governing educational institutions, the process of legal reasoning, basic concepts embodied in the First, Fourth, and Fourteenth Amendments to the U.S. Constitution and specific substantive law related to the operation of schools and universities.

Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 760 - School Finance (3 credits)

Budgeting procedures for large and small school districts are the focus of this course. School budgeting, accounting, bonding, and various monetary applications are presented as well as the various procedures for acquiring funds

Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 781 - Special Topics in Education (3 credits)

This course is designed for the advanced graduate student who wishes to do independent research in special areas. Enrollment is limited to students enrolled in the ESU Doctoral Program in Educational Leadership and Administration.

Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 782 - Research Instrument Design for Leadership Studies (3 credits)

This course is designed to provide doctoral students in educational leadership with basic knowledge and skills in quantitative and qualitative educational research. Students will be required to review and abstract research articles. The students will learn to read and write about educational research in a non-threatening, supportive manner. Through step-by-step, hands-on exercises, students will be able to build competencies in conducting research in the field of education leadership.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program.

PSED 783 - Analysis of Qualitative Data in Leadership Studies (3 credits)

This course is designed to prepare doctoral students in leadership studies to conduct qualitative data analysis in dissertation research.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration Program. .

PSED 798 - Internship (3 credits)

This course is designed for the advanced graduate student who wishes to do independent research in special areas. Enrollment is limited to students enrolled in the ESU Doctoral Program in Educational Leadership and Administration.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration. .

PSED 950 - Dissertation (1 - 9 credits)

This course is designed for the advanced graduate student who wishes to do independent research in special areas. Enrollment is limited to students enrolled in the ESU Doctoral Program in Educational Leadership and Administration.

Distribution: Advanced. Prerequisite: Admission to and satisfactory progress in a cohort group in the ESU Educational Leadership and Administration program.

Athletic Training

College of Health Sciences

Department of Athletic Training

Koehler Fieldhouse

570-422-3231

www.esu.edu/gradatep

Athletic Training Faculty

Graduate Coordinator:

Keith A. Vanic, Ph.D., ATC, (kvanic@esu.edu)

Professors:

Kevin Casebolt, (kcasebolt@esu.edu)

Associate Professors:

Gerard Rozea, Ph.D., ATC, chair, (grozea@esu.edu)

Assistant Professors:

Kelly Harrison, Ph.D., ATC, (kharrison@esu.edu)

Athletic Training M.S.

The Athletic Training Department offers the Master of Science in Athletic Training with two degree programs:

- Master of Science in Athletic Training - Advanced Clinical Practice
- Master of Science in Athletic Training - Professional Practice Program

The M.S. in Athletic Training - Advanced Clinical Practice is intended for individuals who have met eligibility requirements to challenge the BOC® certification examination. The program is designed to advance the student's knowledge and clinical skills to enhance the quality of health care services for the physically active.

The M.S. in Athletic Training - Professional Practice Program is intended for the post-baccalaureate student interested in obtaining the entry-level competency as an athletic trainer. The program is designed to prepare the student to challenge credentialing as an athletic trainer through the Board of Certification® and appropriate state regulatory agencies.

Advanced Clinical Practice

36 credits - Thesis Option

36 credits - Non-thesis Option

Purpose of degree:

The Advanced Clinical Practice Master of Science degree in Athletic Training is intended for individuals who are certified as athletic trainers by the Board of Certification® (BOC®) or individuals that have met eligibility requirements to challenge the BOC® certification examination.

A primary purpose is to enhance the quality of health care services for the physically active through the post-professional preparation of advanced practice clinicians and to make the student a potential candidate for specialty credentials through the National Athletic Trainers' Association and other health, orthopedic, and fitness-related associations. Graduates of this program will be ideal candidates for leadership in clinical service, research, education, and administration.

Outcome expectations of students and degree completion:

Students enrolled in the Master of Science in Athletic Training: Advanced Clinical Practice Graduate Program will:

- demonstrate through examinations, on-campus laboratories and clinical evaluations advanced knowledge and understanding of the learning objectives for each course. Advanced knowledge and clinical proficiency in clinical anatomy, therapeutic agents, manual therapies, orthopedic practices and physician extender competencies is required
- demonstrate mastery and clinical proficiency of advanced skills in the affiliated clinical sites (advanced clinical practicums) with the support of qualified clinical preceptors
- demonstrate knowledge and advanced clinical skills that will position them for career advancement and/or acceptance into graduate and/or professional degree programs
- demonstrate the ability to design, construct and assess the results of meaningful, evidence-based research
- demonstrate an understanding of the central issues and current evidence-based research in the field and effectively communicate this knowledge in both written and oral projects
- demonstrate appropriate professional and ethical behavior in relation to the NATA Code of Ethics, BOC® Standards of Professional Practice and state regulations and statutes

Special Resources/Conditions:

The didactic aspects of this program have been designed to be delivered using a variety of innovative and traditional pedagogical methodologies.

Students must be capable of learning in a web-based and hybrid classroom environment. Students must have access to a computer that meets the technological demands for web-based learning.

Students enrolled in this program will work closely with a clinical preceptor who will assist the student in their efforts to integrate theory into practice.

Students in the regional cohort must have reliable transportation and be able to meet the demands of traveling to Advanced Clinical Practice sites.

PROGRAM OF STUDY

Undergraduate prerequisites required:

Candidates for the M.S. in Athletic Training must be a graduate of a CaATE-accredited Entry-Level Athletic Training Program (Bachelor's or Master's Entry-Level) and be BOC®-eligible.

Typical time to finish:

13 months

REQUIRED PLAN OF STUDY:

Summer I: 6 credits

ATEP 510

Clinically Oriented Anatomy

3

ATEP 544	Current Athletic Injury Prevention and Management	3
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Fall Semester: 12 credits

ATEP 515	Pathomechanics of Musculoskeletal Disorders	3
ATEP 570	Introduction to Research	3
ATEP 587	Advanced Clinical Practicum I	3

Spring Semester: 12 credits

ATEP 513	Applied Statistics and Analysis in Athletic Training	3
ATEP 574	Research Practicum	3

Summer II: 6 credits

ATEP 588	Advanced Clinical Practicum II	3
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Final graduation requirement

Completion of thesis and oral comprehensive examination OR written comprehensive examination.

Admission requirements and deadlines

- Admission is limited to those meeting minimum admission standards. Student must complete admission application to the office of Graduate Studies.
- Bachelor's degree from a CaATe accredited institution
- Undergraduate grade point average of 2.50 Cumulative GPA, 3.00 Major GPA
- Statement of professional goals with resume or curriculum vitae
- Submission of scores on the Graduate Record Examination (GRE)
- Letter of Intent for the Master of Science in Athletic Training Advanced Clinical Practice Track
- BOC® certification or BOC® eligible (must have challenged examination once before enrollment)
- Three letters of recommendation (One from Athletic Training Program Director)
- Proof of professional liability insurance
- Proof of Act 34 & 151 and Fingerprinting (Criminal Record and Child Abuse Clearances)
- Proof of Pennsylvania Licensure -- State Board of Medicine or Osteopathic Medicine. (Permanent or Temporary Licensure is required BEFORE starting the program.)

Graduate Assistantships:

Graduate Assistantship (GA) positions are available through the department. Graduate Assistantships, including stipend and variable tuition waivers are available and will be awarded based on qualifications and experience. The GA position will be directly related to the academic course work and clinical preceptorship experience. The GA may work with a variety of allied health care professionals (i.e., orthopedists, physician extenders, emergency room personnel, and physical therapists) in diverse health care settings.

For more information, contact: Dr. Gerard D. Rozea at 570-422-3065 or by e-mail at grozea@esu.edu.

Athletic Training M.S. Professional Practice Program

54 credits

Purpose of degree:

The Professional Practice Master of Science degree in Athletic Training is designed to enable the post-baccalaureate student the opportunity to demonstrate entry-level competency as an athletic trainer while exhibiting scholarship and advanced competency in specific areas of the sports medicine community.

A primary outcome of the Professional Practice Program is to prepare the student to challenge credentialing as an athletic trainer through Board of Certification (BOC®) and appropriate state regulatory bodies. Furthermore, there may be opportunities to acquire other value-added knowledge and skills within the program that would allow for potential candidacy of specialty certifications through the National Athletic Trainers' Association and other health, orthopedic, and fitness-related associations.

National accreditation(s) of the program:

The Master of Science in Athletic Training Professional Practice Program will pursue entry-level accreditation through the Commission on Accreditation of Athletic Training Education (CaATe).

Outcome expectations of students and degree completion:

Students enrolled in the Master of Science in Athletic Training: Professional Practice Program will:

- demonstrate a sound understanding of the knowledge and skills addressed within the athletic training competencies for best practice.
- demonstrate a sound evidence-based approach to (1) injury prevention and health promotion, (2) orthopedic clinical examination and diagnosis, (3) acute care of injuries and illnesses, (4) therapeutic interventions, and (5) psychosocial strategies.
- cultivate a professional responsibility and development through a structured progression of clinical education that evolves into a commitment of continuing education at clinical/professional symposia.
- complete the eligibility requirements for the Board of Certification (BOC®) for Athletic Trainers.
- demonstrate appropriate professional and ethical behavior in relation to the NATA Code of Ethics, BOC® Standards of Professional Practice and state regulations and statutes

Special Degree Offerings for the Non-traditional student:

The didactic aspects of this program (i.e. course sequencing and scheduling) have been designed with sensitivity for the post-professional learner. Courses may be delivered on ESU campus or at ESU's Lehigh Valley Center in Bethlehem, PA. The program's coursework will be delivered through the traditional academic semester. The Professional Practice Program contributes to an innovative, convenient and flexible pedagogical format aimed towards degree completion and certification eligibility as a certified athletic trainer.

PROGRAM OF STUDY**Admission Requirements:**

Admission requirements for the M.S. in Athletic Training (Professional Practice Program) candidates are as follows:

- Bachelor's degree from an accredited institution
- Minimum undergraduate GPA 2.75/4.00
- Admission to the ESU Graduate Studies
- Submit score on the Graduate Record Exam (GRE)
- Letter of intent and statement of professional goals with resume or curriculum vitae
- Three letters of recommendation
- Minimum of 50 hours of direct observation of Certified Athletic Trainers in at least two different settings
- Reliable transportation

Successfully complete the following pre-requisite coursework:

- Anatomy with laboratory (4 credits)
- Physiology with laboratory (4 credits)
- Physics (3 credits)
- Nutrition (3 credits)
- Statistics (3 credits)
- Sports Psychology or similar course (3 credits)
- Prevention & Management of Athletic Injuries (3 credits)
- Kinesiology: Applied Anatomy (3 credits)
- Exercise Physiology (3 credits)
- Current Advanced First Aid and CPR Cert. (3 credits)

Typical time to finish:

6 academic semesters (2 years)

REQUIRED PLAN OF STUDY:

Summer I: 6 credits

ATEP 501	Foundations in Athletic Training Practice	3
ATEP 510	Clinically Oriented Anatomy	3

Fall I: 10 credits

ATEP 529	Evaluation and Measurement of Lower Extremity Injuries	3
ATEP 533	Therapeutic Exercise in Sports Medicine	3
ATEP 544	Current Athletic Injury Prevention and Management	3
ATEP 594	Athletic Training Clinical Laboratory I	1

Spring I: 10 credits

ATEP 530	Evaluation and Measurement of Upper Extremity Injuries	3
ATEP 531	Organization and Administration in Athletic Training	3
ATEP 532	Therapeutic Modalities in Sports Medicine	3
ATEP 595	Athletic Training Clinical Laboratory II	1

Summer II: 6 credits

ATEP 540	Functional Rehabilitation and Sport Specific Conditioning	3
ATEP 570	Introduction to Research	3

Fall II: 12 credits

ATEP 513	Applied Statistics and Analysis in Athletic Training	3
ATEP 536	Primary Care for the Athletic Trainer	3
ATEP 597	Athletic Training Externship	6

Spring II: 10 credits

ATEP 545	Rehabilitation for Special Populations	3
ATEP 550	Seminar in Athletic Training	3
ATEP 574	Research Practicum	3
ATEP 596	Athletic Training Clinical Laboratory III	1

Admission requirements and deadlines

- Admission is competitive and is limited to those meeting minimum admission standards. Student must complete admission application to the Graduate Studies program.
- Bachelor's degree from an accredited institution
- Minimum undergraduate GPA 2.50 (4.00 scale)
- Admission to the ESU Graduate Studies program
- Submit scores on the Graduate Record Examination (GRE)
- Letter of intent and statement of professional goals with resume or curriculum vitae
- Three letters of recommendation
- Minimum of 50 hours of direct observation of Certified Athletic Trainers in at least two different settings
- Proof of professional liability insurance
- Proof of Act 34 & 151 (Criminal Record and Child Abuse Clearances) and Act 114 (Fingerprinting)
- Reliable transportation

Standards for Admission & Progression

Candidates in the Professional Practice Athletic Training 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 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 are considered necessary for students engaged in all phases of the Athletic Training Program at East Stroudsburg University.

Prior to clinical engagement, any student selected into the Athletic Training Professional Practice Program must demonstrate:

1. The mental capacity to assimilate, analyze, synthesize, integrate concepts, and problem solve to formulate assessment and therapeutic judgments, and to be able to distinguish deviations from the norm.
2. Sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely, and efficiently use equipment and materials during the assessment and treatment of patients.
3. The ability to communicate effectively and sensitively with patients and colleagues, including individuals from

different cultural and social backgrounds (in verbal and written form).

4. The ability to establish rapport with patients and communicate judgment and treatment information effectively.
5. The ability to understand and speak the English language at a level consistent with competent professional practice.
6. The ability to record the physical examination results and treatment plan clearly and accurately; the capacity to maintain composure and continue to function well during periods of stress.
7. The appropriate affective skills, flexibility and ability to adjust to changing situations and uncertainty in clinical situations, as well the demeanor, and conduct that relate to professional education and quality patient care.
8. The perseverance, diligence and commitment to complete the athletic training program as outlined and sequenced.

A student enrolled in the Athletic Training Program at East Stroudsburg University must verify and understanding an ability to meet these Technical Standards, or, that with certain reasonable accommodations can meet these technical standards. In order to request accommodations to meet these technical standards, a student may make the appropriate request of the Office of Disability Services: 570-422-3954. The Office of Accessible Services Individualized for Students will evaluate a student who states he/she could meet the technical Standards with accommodations and confirm that the stated condition(s) qualifies as a disability under applicable laws. The Director of Disability Services, in consultation with the Director of the Athletic Training Program, and the student, will determine if the Technical Standards can be met with reasonable accommodations.

Clinical Education Plan

The Graduate PPP places equal emphasis on both the coursework and clinical fieldwork aspects of students' education. The clinical fieldwork is a critical EDUCATIONAL requirement of the ATEP. Clinical fieldwork is where students learn to apply and refine the knowledge and skills they learn in their coursework. More importantly, clinical fieldwork is where they integrate all phases of Athletic training knowledge, skills, abilities and values to become competent practitioners. It is where students make the transition to clinical practice, develop a practice style and ultimately embrace the culture of the profession.

Clinical education will follow a logical progression that allows for increasing amounts of clinically supervised responsibility leading to autonomous practice upon graduation. The clinical education plan outlines the sequence of formal instruction and will provide students with authentic, real-time opportunities to practice and integrate athletic training (AT) knowledge, skills, and clinical abilities, including decision-making and professional behaviors required of the profession in order to develop proficiency as an Athletic Trainer.

Clinical education will allow the athletic training student (ATS) the opportunities to practice with different patient populations, health care providers, and in various health care settings relative to the ESU-Graduate Professional Practical Program (PPP) mission statement. Students enrolled in this program will be directly supervised by a clinical preceptor who will assist the student in their efforts to integrate theory into practice.

Athletic Training Professional Organization

The National Athletic Trainers' Association (NATA) is the professional membership association for certified athletic trainers. Founded in 1950, the NATA has grown to more than 30,000 members worldwide today.

The Eastern Athletic Trainers' Association (EATA) formed in January 1949 when a few athletic trainers in the northeast decided to gather and share information. Today, the EATA encompasses all members of the National Athletic Trainers' Association who reside in either District I or District II. The Pennsylvania Athletic Trainers' Society (PATs) is a progressive organization of health care professionals who work under the direction of a licensed physician.

Certified athletic trainers working in the Commonwealth protect and enhance the health and welfare of our clients through prevention, recognition, management, and rehabilitation of injuries.

For more information, contact: Dr. Keith A. Vanic at 570-422-3314 or kvanic@esu.edu.

ATEP - Athletic Training

ATEP 501 - Foundations in Athletic Training Practice (3 credits)

The course introduces the student to the foundational psychomotor skills necessary for injury recognition, evaluation and management. These skills are commonly utilized in the athletic training profession and are identified as fundamental competencies for the athletic training professional. Current enrollment in Athletic Training Graduate Program.

Prerequisite: Acceptance into Graduate Athletic Training Program.

ATEP 510 - Clinically Oriented Anatomy (3 credits)

This course explores the identification and management of commonly encountered sport and occupational conditions through an in depth study of the relevant anatomy. Common surgical and/or management techniques employed to correct these conditions are also discussed. The course is intended to advance the students' understanding of clinical anatomy through the use of anatomical models, software and dissections. Prerequisite: BOC Athletic Trainer Certification or eligibility, or, appropriate health care professional background.

ATEP 513 - Applied Statistics and Analysis in Athletic Training (3 credits)

This course will include a review of the basic statistical techniques used to analyze and interpret cognitive, psychomotor, and affective variables in athletic training and the sports medicine field. Use of these evaluative tools is applied to research samples from the discipline.

ATEP 515 - Pathomechanics of Musculoskeletal Disorders (3 credits)

This course is designed to enhance the student's knowledge and understanding of pathomechanics by exploring the structure and movements available throughout the human body. This course and related experiences will increase the student's understanding of structure, function, and dysfunction in order to improve orthopedic evaluation knowledge and skills. This course will enhance the students' ability to identify impairments and their influence on function in an effort to improve treatment approaches and patient outcomes. Prerequisite: BOC Athletic Trainer Certification or eligibility, or, appropriate health care professional background.

ATEP 520 - Sports Medicine (3 credits)

This course is a survey of topics included under the broad umbrella of sports medicine, representing both scientific and clinical branches of the field. Emphasis is placed on factors which can enhance performance, promote, and protect the welfare of participants in exercise, dance, recreational, and competitive sports.

ATEP 521 - Industrial and Occupational Rehabilitation (1 credit)

This course will explore industrial and corporate rehabilitation settings. The implementation of injury prevention programs, ergonomic assessment, work-readiness conditioning, health and wellness programming, on-site physical rehabilitation, case management and return to work programs will be addressed. Prerequisite: BOC Athletic Trainer Certification or eligibility, or, appropriate health care professional background.

ATEP 522 - Imaging in Sports & Industrial Medicine (1 credit)

This course explores the fundamental clinical knowledge regarding commonly utilized diagnostic imaging techniques in sports medicine. The student will undergo a practical, in-depth review of imaging abnormalities in orthopedic sports injuries. Basic science and general managing principles in sports traumatology relative to topographic sports injuries will be addressed. An emphasis on evidence-based diagnostic imaging, outcomes, research and assessing the medical literature will be included. Prerequisite: BOC Athletic Trainer Certification or eligibility, or, appropriate health care professional background.

ATEP 525 - Advanced Clinical Practice: The Chest, Thorax, and Abdomen (1 credit)

This workshop is designed to enhance the certified athletic trainer's ability to perform physical examination tasks relevant to the cardiovascular, pulmonary, gastrointestinal and genitourinary systems. This workshop primarily focuses on the refinement of the clinical skills essential to the practice of athletic training in the primary care sports medicine and clinical/industrial settings.

ATEP 526 - Orthopedic Appliances Workshop 1: Casting & Bracing (1 credit)

This workshop is designed to enhance the certified athletic trainer's ability to perform physical examination tasks relevant to the cardiovascular, pulmonary, gastrointestinal and genitourinary systems. This workshop primarily focuses on the refinement of the clinical skills essential to the practice of athletic training in the primary care sports medicine and clinical/industrial settings.

ATEP 527 - Orthopedic Appliances Workshop 11: Advanced Casting & Bracing (1 credit)

This workshop is designed to enhance the certified athletic trainer's ability to perform physical examination tasks relevant to the cardiovascular, pulmonary, gastrointestinal and genitourinary systems. This workshop primarily focuses on the refinement of the clinical skills essential to the practice of athletic training in the primary care sports medicine and clinical/industrial settings.

ATEP 528 - Orthopedic Appliances Workshop III: Orthotic Fabrication and Fitting (2 credits)

This workshop is designed to enhance the certified athletic trainer's ability to perform physical examination tasks relevant to the cardiovascular, pulmonary, gastrointestinal and genitourinary systems. This workshop primarily focuses on the refinement of the clinical skills essential to the practice of athletic training in the primary care sports medicine and clinical/industrial settings.

ATEP 529 - Evaluation and Measurement 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 illness. Prerequisites: ATEP 100, 202, and 230.

ATEP 530 - Evaluation and Measurement of Upper Extremity Injuries (3 credits)

The primary focus of this course is to present a systematic process of accurately evaluating upper extremity musculoskeletal injuries and illnesses commonly seen in the physical activity 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 illness. Prerequisites: ATEP 100, 202, and 230.

ATEP 531 - Organization and Administration in Athletic Training (3 credits)

This course is a requirement 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. Prerequisite: ATEP 101, 202, and 230.

ATEP 532 - Therapeutic Modalities in Sports Medicine (3 credits)

This course is required for students in athletic training. Information and experience are provided in the use of massage and in the use of the physical agents of heat, cold, light, sound, and electricity in the treatment and rehabilitation of athletic injuries. Prerequisites: ATEP 100, 202, 230, 301; PHYS 110, 131, or 161.

ATEP 533 - Therapeutic Exercise in Sports Medicine (3 credits)

This course examines the various therapeutic modalities used in the practice of athletic training and related rehabilitation sciences. Laboratory experiences are provided in the use of heat, cold, light, sound, laser, electricity and body work/massage. Emerging technologies and their relationship to the rehabilitation process are also explored.

Prerequisite: ATEP 202 AND ATEP 230 AND ATEP 330.

ATEP 536 - 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.

ATEP 538 - Sports and Exercise Massage Techniques (2 credits)

This workshop is designed to provide athletic trainers and other allied health professionals with the knowledge and skills necessary to incorporate pre-event, post-event and specialty sports massage techniques into clinical practice. The indications and contraindications for use of sports and exercise massage techniques are demonstrated, practiced and assessed. Hands-on activities will focus primarily on the skills needed to appropriately execute pre-event ("quick") or "post-event" (slow) massage techniques. Prerequisite: BOC certification or eligibility, or, appropriate health care basic science required.

ATEP 540 - 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.

ATEP 544 - Current Athletic Injury Prevention and Management (3 credits)

Techniques of prevention, examination, and rehabilitation of athletic injuries and current topics in sports medicine are all considered. This course also examines total care of the athlete, ethics, morals, and legal liability in sports.

ATEP 545 - 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.

ATEP 550 - 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.

ATEP 551 - Complementary and Alternative Therapies in Rehabilitation (3 credits)

This course is designed to present the student with an opportunity to explore complementary and alternative therapies. The CAM practices investigated will include interventions and techniques in three broad categories: natural products, mind body medicine, and manipulative and body-based practices. A systematic evidence-based approach will be used to evaluate the current literature related to the theoretical framework, physiological processes, benefits, and potential risks of these interventions and use in health care.

Distribution: Advanced.

ATEP 552 - Orthopedic Specialist Workshop (3 credits)

This course explores the mastery of those select clinical proficiencies specific to the orthopedic setting by the healthcare practitioner. Designated competency will include the theoretical and practical skill's mastery in the areas of diagnostic imaging, ergonomic assessment, casting and orthopedic bracing.

Distribution: Advanced.

ATEP 553 - Advanced Reconditioning and Corrective Exercise I (3 credits)

This graduate level advanced rehabilitation and reconditioning course is designed specifically for students with an increased interest in functional progressions and performance enhancements for the athletic population. This course will serve to enhance the student's knowledge of therapeutic exercise techniques as well as reinforce strength training and conditioning concepts. The focus of the class will pertain to the final stage of rehabilitation and concentrate specifically on reconditioning of athletes using a variety of techniques.

Distribution: Advanced.

ATEP 554 - Advanced Conditioning and Corrective Exercise II (3 credits)

This advanced rehabilitation and reconditioning course will build on the knowledge and skills acquired in Advanced Reconditioning and Corrective Exercise I. This course will serve to enhance the student's knowledge of corrective exercise and performance enhancement strategies to decrease the risk of injury while reinforcing reconditioning and rehabilitation concepts.

Distribution: Advanced. Prerequisite: ATEP 553.

ATEP 560 - Evidence-Based Rehabilitation (3 credits)

This course is designed to present the student with an evidence-based approach for integrating physical agents and therapeutic exercise into the rehabilitation. In addition, this course will further investigate the physiological processes and scientific theories as they apply to rehabilitative strategies and the treatment protocols. Prerequisite: BOC Athletic Trainer Certification or eligibility, or, appropriate health care professional background.

ATEP 570 - Introduction to Research (3 credits)

This course provides an orientation to graduate study and research in health education and movement studies and exercise science. This seminar is designed to acquaint the graduate student with the methods and materials of graduate study and scientific inquiry. It is required of all graduate students in the degree program.

ATEP 571 - Independent Research (1 credit)

This course utilizes selected research techniques to attack a specific professional or academic problem. It includes preparation and presentation of a formal report. Consult adviser well in advance of registration. This course is required for all students in the research or project program, and it may be repeated with permission. Prerequisite: ATEP 570 and 574.

ATEP 572 - Thesis Seminar (1 - 3 credits)

This course utilizes selected research techniques to address a specific professional or academic problem. It includes preparation and presentation of a formal report. Students must consult their adviser well in advance of registration. This course is required for all students in the research or project program, and it may be repeated with permission. Prerequisite: ATEP 570 and 574.

ATEP 574 - Research Practicum (3 credits)

This course will guide the student through the completion of a research project or thesis. Methodology, data collection, interpretation of results and the discussion of research findings is enhanced through an evidence-based approach. Measurement of treatment outcomes in clinical research and the need for the use of the disablement model is also emphasized.

Prerequisite: ATEP 570.

ATEP 577 - IS: (3 credits)

Under the auspices of a qualified member of the faculty, the student pursues a pattern of readings, study, and research related to professional knowledge and understanding in health or physical education. Topics should be established prior to enrollment. Prerequisite: Permission of the faculty member and the department.

ATEP 586 - Field Experience & Internship (3 credits)

This course is designed to provide the student with practical experience with a federal, state, or private organization in some related aspect of physical education and/or sports medicine. Students will coordinate their course work acquired at East Stroudsburg University with specific field experience. This program will be supervised by a member of the Athletic Training Department. Prerequisite: Permission of the department.

ATEP 587 - Advanced Clinical Practicum I (3 credits)

This internship is designed to provide students with the opportunity to apply previously learned theories and skills in a specialized area of study related to athletic training and the rehabilitation sciences. The Advanced Clinical Practicum I is completed under the supervision of a faculty member and qualified clinical preceptor from the fields of orthopedics and rehabilitation. Prerequisite: BOC® Athletic Trainer

Certification or eligibility, or, appropriate health care professional background.

ATEP 588 - Advanced Clinical Practicum II (3 credits)

This course is designed to provide students with the opportunity to apply previously learned theories and skills in a specialized area of study related to athletic training and the rehabilitation sciences. The Advanced Clinical Practicum II is completed under the supervision of a faculty member and qualified clinical preceptor from the fields of orthopedics and general medicine. Prerequisite: BOC® Athletic Trainer Certification or eligibility, or, appropriate health care professional background.

ATEP 594 - Athletic Training Clinical Laboratory I (1 credit)

This course is designed to provide graduate professional athletic education 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.

ATEP 595 - 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.

ATEP 596 - 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.

ATEP 597 - Athletic Training Externship (6 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.

ATEP 599 - Department Elective - Graduate (1 - 99 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.

ATEP 599T - Athletic Training Graduate Transfer (1 - 6 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.

Biology

College of Arts and Sciences

Department of Biological Sciences

Moore Biology Hall

570-422-3716

www.esu.edu/gradbiol

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Biology M.Ed.

30 credits — Thesis option

31 credits — Non-thesis option

39 credits — Non-research option

Purpose of the M.Ed. Program

The purpose of the M.Ed. program in biology is designed for students who wish to combine advanced work in biology with graduate work in education. The program is designed to enable students to obtain the knowledge, skills, and methods for teaching science.

Student Learning Outcomes

- Understand the standards of ethics and conduct in their profession and behave consistent with these standards
- Comprehend the impact of their professional decisions and actions upon society, their employer, their profession, and themselves and work diligently to achieve positive outcomes
- Be proficient in performing research
- Read, analyze and write consistent with the standards of their field
- Communicate effectively in a variety of modes using emerging technologies as required in a discipline specific professional setting
- Identify and understand critical issues
- Possess the ability to challenge and evaluate information
- Synthesize and integrate knowledge
- Demonstrate advanced knowledge and skills. Apply their knowledge and skills in academic, applied or research settings.
- Formulate new ideas.

PROGRAM OF STUDY

Thesis Option — 30 Semester Credits

Required

BIOL 572	Thesis I	3
GenEd ____	General Education elective	3

Field and Related Electives: Three semester credits in the M.Ed. program may be earned in courses taken in related areas such as mathematics, chemistry or physics.

Non-Thesis Option — 31 Semester Credits

Required

BIOL 571	Independent Research	1 - 3
GenEd ____	General Education elective	3

Field and Related Electives: Three semester credits in the M.Ed. program may be earned in courses taken in related areas such as mathematics, chemistry or physics.

Non-Research Option — 39 Semester Credits

This program of study emphasizes the broader aspects of graduate studies in biology by requiring more courses in place of the thesis or research problem.

Required

GenEd ____	General Education elective	3
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Field and Related Electives: Three semester credits in the M.Ed. program may be earned in courses taken in related areas such as mathematics, chemistry or physics.

Undergraduate prerequisites required:

The student is strongly advised to have a statistics course before initiating the thesis or the research problem.

Biology M.S.

30 credits —Thesis option

31 credits — Non-thesis option

39 credits — Non-research option

Purpose of the M.S. Program

The purpose of the M.S. program in biology is to provide students with a comprehensive foundational knowledge in their area of specialty, a high degree of competence in research design and methods, and communication skills.

Student Learning Outcomes

- Understand the standards of ethics and conduct in their profession and behave consistent with these standards
- Comprehend the impact of their professional decisions and actions upon society, their employer, their profession, and themselves and work diligently to achieve positive outcomes
- Be proficient in performing research
- Read, analyze and write consistent with the standards of their field
- Communicate effectively in a variety of modes using emerging technologies as required in a discipline specific professional setting
- Identify and understand critical issues

- Possess the ability to challenge and evaluate information
- Synthesize and integrate knowledge
- Demonstrate advanced knowledge and skills. Apply their knowledge and skills in academic, applied or research settings.
- Formulate new ideas.

PROGRAM OF STUDY

Thesis Option — 30 Semester Credits

Required

BIOL 572	Thesis I	3
BIOL 573	Thesis II	3

Six semester credits in the M.S. program may be earned in courses taken in related areas such as mathematics, chemistry, or physics.

Non-Thesis Option — 31 Semester Credits Required

BIOL 571	Independent Research	1 - 3
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Six semester credits in the M.S. program may be earned in courses taken in related areas such as mathematics, chemistry, or physics.

Non-Research Option – 39 Semester Credits

This program of study emphasizes the broader aspects of graduate studies in biology by requiring more courses in place of the thesis or research problem.

Required

Six semester credits in the M.S. program may be earned in courses taken in related areas such as mathematics, chemistry, or physics.

Undergraduate prerequisites required:

The student is strongly advised to have a statistics course before initiating the thesis or the research problem.

BIOL - Biology

BIOL 500 - ST: (3 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.

BIOL 501 - Human Genetics (3 credits)

This course relates principles of both transmission and molecular genetics to the human organism. Particular stress will be placed on inborn errors such as Down's Syndrome, Klinefelter's Syndrome, and Tay-Sach's Disease.

BIOL 502 - Man & His Environment (3 credits)

This course is a study of the various environmental problems, such as air and water pollution, in relation to ecological principles. Viewpoints of ecologists, sociologists, political scientists, and engineers will be presented.

BIOL 504 - Developmental Genetics (3 credits)

This course is constructed to focus the energies of the student on the role of DNA during cell differentiation and to critically examine the evidence for the theme that differential gene function is the basis of cell differentiation, and consequently of embryonic development.

BIOL 506 - History Of Biology (3 credits)

This course is a study of the history and philosophy of biological science oriented toward case histories and salient developments in

fields of scientific endeavor. This course is designed to offer the student an opportunity to gain an appreciation for the emergence of scientific theories and to present a basis for a conceptual view of the chosen area of specialization.

BIOL 507 - 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.

BIOL 508 - Biological Instrumentation (3 credits)

This course deals with the basic principles concerning the theory, methods and uses of instruments in biological analysis.

BIOL 510 - The Physical Environment and Community Health (3 credits)

This course reviews traditional and evolving public health concerns related to the physical environment. Major areas of concern are solid waste, housing, water, air, accidents, food sanitation, overpopulation, and global concerns.

BIOL 512 - Plant Anatomy (3 credits)

This course consists of studies of the external and internal structure of vascular plants with emphasis on development of the mature plant and its functional security. Attention to primary and secondary plant bodies; xylem, phloem and cambium; leaf, stem, and root.

BIOL 513 - Predator-Prey Relationships (3 credits)

Predator-prey relationships are prime examples of coevolution and evolutionary arms races. The study of such relationships provides insight into evolutionary and ecological mechanisms of animal interactions. These interactions will be looked at within the framework of Optimal Foraging Theory

BIOL 514 - Pathogenic Microorganisms (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

BIOL 515 - Protozoology (3 credits)

This is a course in the pathogenic protozoa of man and domestic animals. Particular emphasis will be on developing proficiency in recognition of forms and morphological characteristics. The natural history and economic importance will be stressed as well as selected life cycle studies.

BIOL 516 - 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

BIOL 517 - Helminthology (3 credits)

This is a laboratory and lecture course designed to acquaint the student with the parasitic helminth of man and animals. Emphasis will be upon identification and life cycle studies. Individual projects encouraging in-depth study of a particular parasitological phenomenon are an integral part of the course.

BIOL 518 - Cytology (3 credits)

This course acquaints the student with the subject of cellular structure, gives the students an understanding of the more modern

concepts of cellular organization, and brings to students the modern techniques of investigation of the detailed structure and processes of the cell. Offered on demand

BIOL 519 - 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.

BIOL 520 - Biology Of Aging (3 credits)

This course covers the biological aspects of aging. Theories of aging as well as the actual physiological changes that occur on the molecular, cellular, and systemic levels are discussed. Biology majors may not use this course to fulfill their Biology major requirements. This course is one of the required courses for students in Gerontology

BIOL 521 - 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.

BIOL 522 - 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

BIOL 523 - 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.

BIOL 524 - 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

BIOL 525 - 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

BIOL 526 - 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.

BIOL 527 - Natural History of Western Fauna (6 credits)

This program provides a graduate and undergraduate course that gives the student a unique opportunity for field study across the country. Although the focus will be on animal life in the Pacific Northwest, adequate attention will be given to wildlife on principal refuges found along the route both to and from the Northwest. (Offered during Main Summer Session)

BIOL 528 - 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

BIOL 529 - 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

BIOL 530 - Applied Microbiology (0 - 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

BIOL 531 - Ecological Physiology (3 credits)

Various physiological processes such as temperature control, and salt and water balance will be studied by examining the modifications that make specific animals better adapted for survival in a particular environment

BIOL 534 - Comparative Hematology (4 credits)

This course introduces the student to basic and advanced concepts of hematology and hemostasis in animals. Emphasis will be placed on the hematologic cell series, anemias, leukemias, and other blood dyscrasias. Normal values and basic hematologic testing will be stressed. The student will learn to evaluate normal and abnormal cellular morphology and integrate these findings to the clinical picture. Students will be introduced to the principle of electronic counting and will learn to interpret scatterplots or other graphical material. The concepts of hemostasis will be developed through laboratory exercises, case studies, and classroom discussion

BIOL 535 - 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.

BIOL 536 - Endocrinology of Sexual Reproduction (3 credits)

Comparative anatomy and physiology of the vertebrate reproductive systems and the chemistry and action of hormones concerned with reproduction will be studied

BIOL 537 - 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

BIOL 538 - Physiological Biochemistry (3 credits)

This course is a study of the properties and interrelations of the major biochemical processes such as the Krebs' cycle, electron transport system, glycolysis, urea cycle, and photosynthesis. Also studied are the properties and synthesis of proteins, amino acids, lipids, carbohydrates, and nucleic acids as well as enzyme kinetics and thermodynamics.

BIOL 541 - Ecology of Water Pollution (3 credits)

This course is a study of the effect of various types of pollution on the freshwater, estuarine, and salt-water ecosystems. Monitoring of polluted and unpolluted situations will be conducted in the field, and bioassay techniques will be shown in the laboratory. Various indices of the extent of water pollution will be discussed.

BIOL 542 - 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

BIOL 543 - 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

BIOL 544 - Biology of Water and Wastewater (3 credits)

This course is a study of fungi, bacteria, algae, protozoa, insects, and worms as they are used in the treatment of wastewater and as they affect or interfere with the purification of drinking water. Physical, chemical, and biological factors that affect these organisms in the respective facilities will be monitored and various tests of the efficiency of the treatment will be introduced. Field trips to a variety of water and wastewater facilities will be taken.

BIOL 545 - Ecology Of Fishes (3 credits)

This course emphasizes the taxonomic, physiological, ecological, and behavioral aspects of fishes; laboratory and field trips are an integral part of the course

BIOL 546 - 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

BIOL 547 - Biology Of Plankton (3 credits)

This course covers the pelagic organisms in lakes and oceans and the factors that control their distribution and production. Planktonic plants and animals (e.g. algae, protozoa, rotifers, crustacea, and fish larvae) and the part they play in the economy of natural waters are studied; laboratory and field trips are an integral part of the course

BIOL 549 - 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

BIOL 550 - Field Entomology (3 credits)

This course is an introductory taxonomic approach to insects, coupled with field collection and identification. Study includes ecology, morphology, systematics, and lab techniques

BIOL 551 - 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.

BIOL 554 - 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

BIOL 557 - 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. Course is offered regularly at ESU and occasionally at the Marine Science field station at Wallops Island, Va.

BIOL 558 - 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

BIOL 559 - Wildlife Disease Laboratory (1 credit)

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

BIOL 560 - 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

BIOL 561 - 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 562 - 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

BIOL 563 - 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

BIOL 564 - Population Genetics (4 credits)

This course will cover the basics of population genetics. Stress will be placed upon understanding the basic processes of evolutionary genetics. The initial part of the course will cover the basic models of population genetics; the second half will deal with contemporary controversies or problems. The laboratory will emphasize data analysis

BIOL 565 - Immunology Laboratory (1 credit)

This course is designed to provide the students with hands-on laboratory experimentation using basic immunological techniques. The course will include methods and techniques of: Immunization and bleeding of mice, antigen and antibody purification and characterization, immunoelectrophoresis, western blot, ELISA procedures, immunoprecipitation, immunocytochemistry, identification of cellular antigens by immunofluorescence, and isolation of mouse lymphoid tissue (spleen and thymus)

BIOL 566 - 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.

BIOL 567 - 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

BIOL 568 - Principles of Systematics (3 credits)

This course focuses on the practice of classifying organisms utilizing modern systematic techniques. Particular emphasis is placed on the reconstruction of evolutionary histories of organisms using both molecular and morphological characters. Topics include species concepts, delineation of taxonomic groups, and methods of inferring phylogenies

BIOL 569 - Introduction to Bioinformatics (3 credits)

The aim of this course is to provide a basic introduction to bioinformatics for students in molecular biology or genetics with no particular training in mathematics, statistics or informatics. The students will get an overview of the different databases from around the world that are available on the internet, and will be presented with practical applications of computer-based methods for the analysis of DNA sequences and protein structures

BIOL 571 - Independent Research (1 - 3 credits)

This course is designed to acquaint the student with recent methods of research in particular areas of investigation, to instruct in the writing of acceptable research reports, and to acquaint the student with the literature directly related to a particular problem.

BIOL 572 - Thesis I (3 credits)

This course is designed to acquaint the student with recent methods of research in particular areas of investigation, to instruct in the writing of acceptable research reports, and to acquaint the student with the literature directly related to a particular problem.

BIOL 573 - Thesis II (3 credits)

This course is designed to acquaint the student with recent methods of research in particular areas of investigation, to instruct in the writing of acceptable research reports, and to acquaint the student with the literature directly related to a particular problem.

BIOL 574 - 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.

BIOL 577 - IS: (1 - 12 credits)

Under the auspices of a qualified member of the faculty of the Graduate School, the student pursues a pattern of readings, study, and research related to professional knowledge and understanding in biological science. Topics should be established prior to enrollment.

BIOL 579 - 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 581 - 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

BIOL 584 - Experimental Immunology (1 credit)

This is a laboratory course designed to complement lectures and provide the student with experience in immunological methods.

BIOL 585 - Virology Laboratory (1 credit)

This course includes the study of the handling and infection of laboratory animals with viruses. The use of cell or tissue cultures in virology will be reviewed. To study viral replication, laboratory exercises in phage activity, bacterial virus growth curves and animal virus growth curves will be performed.

BIOL 586 - Field Experience and Internship (1 - 12 credits)

An integral part of the field experience and internship requires that the student work under supervision with a federal, state, or private organization in some biologically related aspect of the respective organization. Students will coordinate their course work acquired at East Stroudsburg University with specific field experiences. A formal written report must be submitted at the culmination of the experience.

BIOL 591 - Behavioral Ecology Lab (1 credit)

Laboratory topics will introduce students to experimental design, data acquisition, and behavioral observation techniques under laboratory and field conditions using a variety of invertebrate and vertebrate organisms and plants. Some Saturday laboratories will be required

BIOL 592 - 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

BIOL 593 - Biology of Tropical Ecosystem (3 credits)

This course will impart a thorough understanding of tropical ecology through introductory lectures, student presentations, and an intensive two-week field experience. The field experience will provide research opportunities for students on ecological and behavioral aspects of selected organisms and/or concepts. Destinations include Costa Rica, Ecuador, or Kenya. The course will be offered on demand during appropriate winter, spring, or summer sessions

BIOL 597 - Pathogenic Microbiology Laboratory (1 credit)

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

BIOL 598 - 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

BIOL 599 - Molecular Biology Lab (1 credit)

This course is intended as an adjunct to BIOL 598 Molecular Biology. This course will provide students with hands-on experience using techniques for molecular biology research including DNA isolation, Southern blotting, and PCR (polymerase chain reaction)

BIOL 599T - Biology Graduate Transfer (1 - 6 credits)

This course is intended as an adjunct to BIOL 598 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)

BIOM - Marine Science

BIOM 501 - Biological Oceanography (3 credits)

The interactions between biological communities and the oceanic environment are studied with emphasis on the distributions of coastal plankton, fishes, and benthic invertebrates. This course is periodically offered at the Marine Science Consortium field station at Wallops Island, Va., only during a summer session.

BIOM 502 - 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

BIOM 503 - 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

BIOM 504 - Research Diver Methods in Marine Science (3 credits)

Students in this course will study the marine environment with the use of SCUBA as a research tool. SCUBA will be used to collect samples, to measure the distribution of the flora and fauna, and to evaluate the productivity and biomass of select benthic communities. This course is periodically offered at the Marine Science Consortium field station in Wallops Island, Va., only during a summer session

BIOM 505 - Scanning Electron Microscopy: Marine Application (3 credits)

Students in this course will study the marine environment with the use of SCUBA as a research tool. SCUBA will be used to collect samples, to measure the distribution of the flora and fauna, and to evaluate the productivity and biomass of select benthic communities.

This course is periodically offered at the Marine Science Consortium field station in Wallops Island, Va., only during a summer session

BIOM 558 - 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 upwelling and coastal fronts. Specific cases in coastal pollution will be examined from coastal environments around the U.S.

BIOM 559 - 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

BIOM 560 - 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

BIOM 561 - 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

BIOM 562 - 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

BIOM 563 - Marine Biology Cruise (3 credits)

This course consists of a three-week session involving detailed planning and preparations for an oceanographic research cruise of approximately eight days, actual execution of the cruise plan aboard an ocean research vessel, and data-processing and reporting of the cruise results. Shipboard sampling techniques and instrumentation used by biological oceanographers are introduced. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session

BIOM 564 - 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

BIOM 565 - 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

BIOM 566 - 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

BIOM 567 - 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

BIOM 568 - 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

BIOM 569 - 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

BIOM 570 - 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

BIOM 572 - 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

BIOM 573 - 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

BIOM 574 - Introduction to Oceanography (3 credits)

This course is designed to familiarize the student with the marine environment and current developments in the marine sciences. Topics for study will include the physical parameters of the ocean, ocean basin topography, life in the sea, and resources in the ocean. This course is periodically offered at the Marine Science field station in Wallops Island, Va., only during a summer session

BIOM 575 - 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

BIOM 576 - 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.

BIOM 578 - 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

BIOM 579 - 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

BIOM 580 - 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

BIOM 581 - Marine Micropaleontology (3 credits)

This course is designed for students majoring in either biological or geological sciences. The course will deal with modern, living representatives of microorganisms important in the fossil record. Particular emphasis will be placed on the taxonomy, morphology, evolution, and ecologic affinities of the foraminifer (Sarcodina), but other groups, including the Radiolaria, Diatoms, and Ostracoda, will also be considered. Laboratory and field aspects of the course will

include sample collection preparation and analysis. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session

BIOM 582 - 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

BIOM 583 - 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

BIOM 587 - 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

BIOM 588 - 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.

BIOM 589 - 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

BIOM 590 - 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

BIOM 594 - Biology Of Molluscs (3 credits)

The Mollusca is the second largest group of animals and perhaps the most diverse in terms of morphological, ecological, and behavioral variations. This course offers an evolutionary, functional, and ecological approach to studying this important group of organisms. This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session

BIOM 599T - Marine Biology Graduate Transfer (1 - 6 credits)

The Mollusca is the second largest group of animals and perhaps the most diverse in terms of morphological, ecological, and behavioral variations. This course offers an evolutionary, functional, and ecological approach to studying this important group of organisms.

This course is periodically offered at the Marine Science field station at Wallops Island, Va., only during a summer session

Clinical Exercise Physiology

College of Health Sciences

Department of Exercise Science

Koehler Fieldhouse

570-422-3302

www.esu.edu/gradexsc

Clinical Exercise Physiology Graduate Faculty

Graduate Coordinator:

Chad Witmer, Ph.D. (cwitmer@esu.edu)

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Assistant Professor:

Matthew Miltenberger, Ph.D., (mmiltenberger@esu.edu)

Medical Director

Eli Berman, M.D., (eberman@esu.edu)

Clinical Exercise Physiology M.S.

45 credits

Purpose of Degree

The purpose of the Clinical Exercise Physiology program is to provide classroom and laboratory experiences that take full advantage of current knowledge and trends in rehabilitation of populations with cardiac, pulmonary and metabolic disorders through assessment and exercise programming.

The M.S. in Clinical Exercise Physiology is offered in conjunction with six area medical centers, and offers traditional classroom and laboratory experiences as well as specialized clinical experiences. The Clinical Exercise Physiology program is typically restricted to the top 25 qualified applicants.

National Accreditation

The M.S. in Clinical Exercise Physiology is accredited by the Commission on Accreditation of Allied Health Educational Programs (CAAHEP).

PROGRAM OF STUDY

Required courses

Summer I Courses

EXSC 552	Exercise and Weight Control Workshop	2
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EXSC 557	Physical Activity as Medicine Workshop	2
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Fall Semester Courses

EXSC 527	Physiology of Human Performance	3
CEXP 530	Electrocardiography, Non-Invasive Cardiac Evaluations, and Implications in Exercise and Rehabilitation	3
CEXP 531	Clinical Exercise Physiology Laboratory I	3
CEXP 539	Coronary Heart Disease: Its Medical Diagnosis and Management	3
CEXP 586	Clinical Internship I	3
CEXP 587	Clinical Internship II	3

Spring Semester Courses

EXSC 513	Evaluation in Exercise Science	3
CEXP 532	Clinical Exercise Physiology Laboratory II	3
CEXP 537	Exercise Testing and Programming	3
CEXP 538	Cardiac Pathology and Pharmacology	3

Summer II Courses

EXSC 528	Advanced Exercise Physiology Laboratory Techniques	1
CEXP 533	Health and Fitness Clinical Laboratory III	3
CEXP 536	Organization & Administration of Cardiac Rehabilitation & Primary Prevention Programs	3
CEXP 558	Clinical Exercise Specialist Workshop	1
CEXP 595	Clinical Exercise Physiology Seminar	3

Admission Requirements

Please see the Exercise Science Department web page for information on specific admission requirements for this program.

Final Graduation Requirement

Students must pass a written comprehensive examination at the conclusion of coursework.

CEXP - Clinical Exercise Physiology

CEXP 530 - Electrocardiography, Non-Invasive Cardiac Evaluations, and Implications in Exercise and Rehabilitation (3 credits)

Basic electrocardiographic concepts of the normal EKG, arrhythmias, conduction defects, ischemia, infarction, hypertrophies, exercise, drug effects, and rehabilitation are discussed and demonstrated. Noninvasive procedures of echocardiography and thallium scanning and their importance in diagnosis and rehabilitation are presented. Clinical Exercise Physiology students only/permission of instructor.

CEXP 531 - Clinical Exercise Physiology Laboratory I (3 credits)

This lecture/lab experience is conducted in the Human Performance Lab and prepares students to participate in a variety of multidisciplinary clinical environments. Development of pertinent skills and discussion of relevant concepts pertaining to cardiac rehabilitation and exercise for other special populations are presented to prepare students for experiences at area hospitals and medical facilities. Clinical Exercise Physiology students only.

CEXP 532 - Clinical Exercise Physiology Laboratory II (3 credits)

This lecture/lab experience is conducted in the Human Performance Lab and continues the discussion and development of skills necessary to continue preparation of Clinical Exercise Physiology students for clinical rotations at area hospitals and medical facilities. Clinical Exercise Physiology students only.

CEXP 533 - Health and Fitness Clinical Laboratory III (3 credits)

Students observe and experience the programmatic, organizational, and administrative aspects of the Health and Fitness program at Pocono Medical Center. The "wellness" concept is stressed by learning evaluation and measurement techniques as well as participation in educational and counseling settings.

CEXP 536 - Organization & Administration of Cardiac Rehabilitation & Primary Prevention Programs (3 credits)

This course analyzes general principles and procedures of cardiac and primary prevention programs. The organization and administration of specific programs will be discussed. Clinical Exercise Physiology students only.

CEXP 537 - Exercise Testing and Programming (3 credits)

An in-depth analysis of exercise stress testing for cardiac patients, symptomatic and asymptomatic, is presented along with principles and practices of exercise programming. Traditional as well as more recently developed exercise testing and programming procedures are discussed. Clinical Exercise Physiology students only/permission of instructor.

CEXP 538 - Cardiac Pathology and Pharmacology (3 credits)

Lectures and discussion emphasize major cardiac diseases and their effect on cardiovascular function. The role of exercise in the rehabilitation from these cardiac disorders is analyzed and evaluated. Traditional and newer drugs and their pharmacological actions are presented as they relate to rehabilitation and treatment. Clinical Exercise Physiology students only/permission of instructor.

CEXP 539 - Coronary Heart Disease: Its Medical Diagnosis and Management (3 credits)

This course presents a broad overview of coronary heart disease etiology, diagnosis, treatment, and prognosis related to cardiac rehabilitation. Students will be introduced to material that will serve as a foundation for advanced courses in pathophysiology, electrocardiography, stress testing, and clinical laboratories. Clinical Exercise Physiology students only/permission of instructor.

CEXP 558 - Clinical Exercise Specialist Workshop (1 credit)

The Clinical Exercise Specialist Workshop will provide structured experiences in the classroom, laboratory, and gymnasium to improve knowledge and understanding of graded exercise testing, exercise prescription, and physical activities as used in prevention and rehabilitation. A review of the knowledge, skills, and objectives for the American College of Sports Medicine's (ACSM) Exercise Specialist and Registered Clinical Exercise Physiologist certifications are covered.

CEXP 586 - Clinical Internship I (3 credits)

This course, offered in the Fall semester, is designed to provide the Clinical Exercise Physiology graduate student with practical, clinical skills/experiences in a variety of internship sites. Prerequisite: Permission of the department.

CEXP 587 - Clinical Internship II (3 credits)

This course, offered in the Fall semester, is designed to provide the Clinical Exercise Physiology graduate student with practical, clinical

skills/experiences in a variety of internship sites. Prerequisite: Permission of the department.

CEXP 588 - Clinical Internship II (3 credits)

This course, offered in the Spring semester, is designed to continue the development of basic practical skills introduced in Clinical Internship I and to provide the student with the opportunity to practice advanced skills in clinical exercise physiology in a controlled medical setting. Prerequisite: Permission of the department.

CEXP 595 - Clinical Exercise Physiology Seminar (3 credits)

This course focuses on current concepts, controversies, and issues in clinical exercise physiology. The lecture-discussion format utilizes appropriate literature as sources for dialogue and pre-requisite courses serve as a basis for analyzing relevant theoretical and practical concerns. Clinical Exercise Physiology students only.

CEXP 599T - Clinical Exercise Physiology Graduate Transfer (1 - 6 credits)

This course focuses on current concepts, controversies, and issues in clinical exercise physiology. The lecture-discussion format utilizes appropriate literature as sources for dialogue and pre-requisite courses serve as a basis for analyzing relevant theoretical and practical concerns. Clinical Exercise Physiology students only.

Communication Sciences and Disorders

College of Health Sciences

Monroe Hall

570-422-3247

www.esu.edu/sppa

Communication Sciences and Disorders Faculty

Graduate Coordinator:

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Elaine Shuey, Ph.D., CCC-SLP, Chair, (eshuey@esu.edu)

Associate Professor:

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Assistant Professors:

LuAnn Batson-Magnuson, Ph.D., CCC-SLP, (lmagnuson@esu.edu)

Susan Dillmuth-Miller, Au.D., CCC-A, (sdmiller@esu.edu)

Ann Millett, M.S., CCC-SLP, (amillett@esu.edu)

Communication Sciences and Disorders M.S.

51 credits

Purpose of degree:

The Department of Communication Sciences and Disorders offers a Master of Science in Communication Sciences and Disorders. The academic and clinical components of this degree are designed to meet the requirements of the American Speech-Language-Hearing Association's Certificate of Clinical Competence in Speech-Language Pathology (CCC-SLP). Students will also be eligible for a Pennsylvania license in speech-language pathology. In addition, students may choose to complete requirements for the Instructional I Certificate (Teacher of the Speech-Language Impaired) in Pennsylvania schools

(with the completion of certain education courses, a student teaching semester, and required state testing). The choice of the school certification option may lengthen the student's degree program.

National accreditation

The Master of Science education program in Communication Sciences and Disorders at East Stroudsburg University is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association, 2200 Research Boulevard #310, Rockville, Maryland 20850, 800-498-2071 or 301-296-5700.

Outcome expectations of students and degree completion:

To meet the minimum competencies required by the Knowledge and Skills Assessment (KASA) of ASHA, and, upon completion of degree, to successfully pass the Praxis examination in speech-language pathology.

Mission statement of the department:

The mission of the Graduate Program in Communication Sciences and Disorders is to provide an academic and clinical education program that prepares graduates to earn the ASHA CCC-SLP, and serve as a clinical and professional resource to the community.

Special resources of the department:

- Twelve fully equipped therapy rooms
- A state of the art audiology suite
- Observation rooms for both parents and students
- State-of-the-art voice and swallowing labs
- Dedicated clinical computer labs
- Class and study rooms

PROGRAM OF STUDY

Undergraduate prerequisites required:

- Child development or developmental psychology
- Linguistics/psycholinguistics
- Statistics
- Speech science
- Introduction to audiology
- Introduction to communication disorders
- Speech and language development
- Phonetics or phonology
- Anatomy and physiology of speech/hearing mechanism
- Articulation/fluency disorders
- Neurologic bases of communication (course or competency)
- Natural sciences (six credits), including a biological and a physical science
- Behavioral sciences (six credits)
- Composition/writing
- College level math course

Students who do not meet all of the criteria listed under undergraduate prerequisites above may gain conditional admission but must remedy any deficiencies before filing a plan of study with the Graduate School.

Typical time to finish:

Full-time students will complete the program in five semesters, which includes the middle summer. Those students choosing the teacher certification option will require an extra 12 week placement and will graduate in the second August following entry into the program.

Part-time students will require a minimum of three years plus summers, depending on course availability compatible with their personal schedule. A degree is no longer available by attending classes in evenings and summers only.

Cohort

The class of full-time students which enters each fall semester moves through the program as a cohort.

Required courses:

SPPA 521	Augmentative/Alternative Communication	2
SPPA 534	Clinical Audiology	2
SPPA 535	Auditory Based Communication Disorders	3
SPPA 541	Speech Sound Disorders	3
SPPA 542	Language Disorders Preschool	2
SPPA 543	Language Disorders in Adults	3
SPPA 544	Fluency Disorders	2
SPPA 546	Voice Disorders	3
SPPA 549	Clinical Methods in Speech-Language Pathology	1
SPPA 550	Advanced Clinical Practicum	2
SPPA 560	Diagnostic Procedures	1
SPPA 562	Dysphagia	3
SPPA 563	Language Learning Disabilities in School Age Children	2
SPPA 564	Pediatric Dysphagia	2
SPPA 569	Motor Speech Disorders	3
SPPA 572	Thesis	3
SPPA 574	Orofacial Anomalies	2
SPPA 577	Independent Study:	3
SPPA 580	Preschool Language Skills as Precursor to Literacy	2
SPPA 581	Communication Skills Related to Autism Spectrum Disorders	2
SPPA 582	Management of School Programs	2
SPPA 583	Caseload Management in Medical SLP	2
SPPA 584	Research Methods & Materials	2
SPPA 586	Advanced Clinical Externship	3 - 6

ILLUSTRATIVE PLAN OF STUDY:

The academic course work requirements are designed to meet the ASHA requirements for the CCC-SLP. Students may transfer up to six credit hours of appropriate graduate course work from another ASHA accredited program, subject to department approval.

No more than three graduate credits of course work with a grade of B- or lower may be on the transcript in order to be eligible for the degree. No more than one SPPA course may be repeated to improve the grade. SPPA 550 or SPPA 586 MUST be repeated if a student

receives a grade of B- or lower. Further, any course in which a student earns a grade of "C" or lower must be repeated.

Plan of study for a full-time student

All below classes are required unless designated an elective.

Fall 1

SPPA 541	Speech Sound Disorders	3
SPPA 542	Language Disorders Preschool	2
SPPA 546	Voice Disorders	3
SPPA 534	Clinical Audiology	2
SPPA 543	Language Disorders in Adults	3
SPPA 581	Communication Skills Related to Autism Spectrum Disorders	2
SPPA 560	Diagnostic Procedures	1

Spring 1

SPPA 535	Auditory Based Communication Disorders	3
SPPA 544	Fluency Disorders	2
SPPA 549	Clinical Methods in Speech-Language Pathology	1
SPPA 562	Dysphagia	3
SPPA 563	Language Learning Disabilities in School Age Children	2
SPPA 584	Research Methods & Materials	2
SPPA 550	Advanced Clinical Practicum	2

Summer 1

SPPA 500	Special Topics:	2
SPPA 550	Advanced Clinical Practicum	2
SPPA 582	Management of School Programs	2

Fall 2

SPPA 580	Preschool Language Skills as Precursor to Literacy	2
SPPA 569	Motor Speech Disorders	3
SPPA 583	Caseload Management in Medical SLP	2
SPPA 521	Augmentative/Alternative Communication	2
SPPA 564	Pediatric Dysphagia	2
SPPA 574	Orofacial Anomalies	2
SPPA 550	Advanced Clinical Practicum	2

Spring 2

SPPA 586	Advanced Clinical Externship (non-school placement)	3 - 6
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Summer 2

SPPA 586	Advanced Clinical Externship	3 - 6
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Electives

SPPA 500	Special Topics:	2
SPPA 572	Thesis	3

SPPA 577	Independent Study:	3
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Clinical Practicum

Each student is required to meet the clinical education requirements for the ASHA CCC-SLP (400 hours of clinical observation and practicum) in order to receive the degree. All students will complete at least three practicum experiences at the ESU Speech and Hearing Center (through SPPA 550 Advanced Clinical Practicum) and two different off-campus practicum experiences (through SPPA 586 Advanced Clinical Externship). A variety of clinical externship sites are available. The program faculty must approve all off-campus practicum sites. Students who pursue the teacher certification option must complete two full-semester off-campus externships (one in the adult setting and one in the school setting).

Final graduation requirement

Submission of a portfolio documenting achievement of competencies required by the KASA.

Admissions requirements and deadlines

Students should apply through the Graduate and Extended Studies website at www.esu.edu. Application deadline is Feb. 1 for fall admission.

All application documents, transcripts, and supporting material must be received no later than this date for consideration for admission. Spring admission is not offered. Admission decisions are generally made in March.

The following admission criteria will be applied:

- Bachelor's degree, undergraduate prerequisites as listed above
- QPA 3.0 overall; QPA 3.0 in undergraduate major
- GRE scores
- Three letters of recommendation
- Statement of professional goals

Graduate Assistantships

Graduate assistantships are available through the department. These are awarded based upon merit and achievement to full-time students in the graduate program.

Graduate assistants do not teach classes, but complete projects and tasks assigned by professors.

The graduate assistantship is awarded for the first year of full-time study, with the possibility of extension through the first summer. Prospective students may wait to apply for graduate assistantships until offered acceptance for admission.

Post-baccalaureate Certificate - Pre-Graduate Program in Communication Sciences and Disorders

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 342	Articulations and Fluency Disorders	3

SPPA - Communication Sciences and Disorders

SPPA 500 - Special Topics: (2 credits)

These courses are specific to current issues in the field of speech-language pathology. They are offered on a trial basis to determine the demand for and value of introducing them as part of the university curriculum.

Distribution: Advanced.

SPPA 521 - Augmentative/Alternative Communication (2 credits)

This course will address the issues surrounding the selection of augmentative/alternative communication for populations unable to communicate using speech due to motor, mental, or language disabilities. Various augmentative devices will be presented.

Distribution: Advanced.

SPPA 533 - Professional Issues in Communication Disorders (1 credit)

This course is designed to make students aware of current professional issues in the fields of speech-language pathology and audiology. Topics will include, but will not be limited to, professional organizations, professional licensure and certification, continuing education requirements, professional ethics, scope of practice issues, and other areas of interest.

Distribution: Advanced.

SPPA 534 - Clinical Audiology (2 credits)

This course is designed to familiarize graduate-level speech pathology students with pathological processes of the peripheral and central auditory systems and how these affect communication. Students will know how to interpret audiometric test data.

Prerequisite: SPPA 231, Introduction to Audiology.

Distribution: Advanced.

SPPA 535 - Auditory Based Communication Disorders (3 credits)

This course will address methods for educating children and adults with hearing losses and investigate current surgical and assistive intervention strategies. This will include a survey of hearing aids.

Prerequisites: SPPA 231 or 534.

Distribution: Advanced.

SPPA 536 - Children and Adults with Cochlear Implants (2 credits)

This course explores speech and language, academic, and psychosocial outcomes for children and adults using cochlear implant technology. Students will explore the technology, history, expansion in candidacy requirements, current research, expected outcomes, parental support, collaborative models, assessment measures and intervention methods appropriate to each discipline's scope of practice. This course is appropriate for teachers in general education, special education and deaf/hard of hearing specialization; audiologists and speech pathologists.

Distribution: Advanced.

SPPA 541 - Speech Sound Disorders (3 credits)

The course will focus on the practical application of phonological theory to techniques and procedures used for the assessment and intervention of speech disorders. It will include an analysis of the application of phonological theory to linguistic diversity.

Distribution: Advanced. Prerequisite: SPPA 241, SPPA 342, SPPA 343, SPPA 457, SPPA 458.

SPPA 542 - Language Disorders Preschool (2 credits)

This course will address the nature, etiology, and clinical management of language disorders in preschool children from birth through age 5 years. Prerequisite: SPPA 101 or equivalent.

Distribution: Advanced.

SPPA 543 - Language Disorders in Adults (3 credits)

This course will address the nature, etiology, and clinical management of adults with acquired language disorders, with primary emphasis on aphasia and related cognitive disorders. Prerequisite: SPPA 101 or equivalent.

Distribution: Advanced.

SPPA 544 - Fluency Disorders (2 credits)

This course is designed to provide a comprehensive analysis of the theories of fluency disorders, diagnostic procedures, and treatment strategies. Behaviors related to fluency disorders will be examined. Current research literature for the management of fluency disorders will be included.

Distribution: Advanced.

SPPA 546 - Voice Disorders (3 credits)

This course will address the nature, etiology, and clinical management techniques for individuals who have voice disorders resulting from both hyperfunctional and organic etiologies. Alaryngeal communication also will be addressed. Prerequisite: SPPA 214.

Distribution: Advanced.

SPPA 549 - Clinical Methods in Speech-Language Pathology (1 credit)

This course addresses the methods used for intervention in speech-language pathology. Primary emphasis is placed on evidence-based remediation procedures for children and adults with communication disorders. Students will participate in simulations of clinical intervention. Prerequisite: Formal admission to graduate study in Speech-Language Pathology.

Distribution: Advanced.

SPPA 550 - Advanced Clinical Practicum (2 credits)

This course is designed to provide supervised, advanced clinical practice in applying diagnostic procedures and intervention strategies to preschoolers through adults who have speech, language, and/or hearing disorders. Specific communication disorders may include phonology, articulation, fluency, voice, language, and hearing. Developing skills to work with diverse linguistic populations will also be emphasized. Clinical experience will be available at the University Speech and Hearing Clinic. Students must take this course at least three times for credit. If a student earns a grade of "C" or lower, this course must be repeated and a "B" or better earned. Anyone earning a second "C" will be dismissed from the program. Prerequisites: concurrent enrollment in SPPA 541, 549.

Distribution: Advanced.

SPPA 560 - Diagnostic Procedures (1 credit)

This course addresses the methods used for assessment procedures in speech and language pathology. The student will gain experience in testing, observation, decision making, and report writing. Prerequisite: concurrent enrollment in SPPA 561.

Distribution: Advanced.

SPPA 562 - Dysphagia (3 credits)

This course addresses the nature, etiology, and clinical management of dysphagia (swallowing disorders).

Distribution: Advanced.

SPPA 563 - Language Learning Disabilities in School Age Children (2 credits)

This course addresses the etiologies, characteristics, assessment, and intervention for language learning disabilities common in school-aged children, with particular emphasis on academic and cognitive aspects of language use in classroom contexts. Prerequisite: SPPA 241 or equivalent.

Distribution: Advanced.

SPPA 564 - Pediatric Dysphagia (2 credits)

This course addresses the nature, etiology, and clinical management of swallowing disorders in pediatric clients. Prerequisite: SPPA 562.

Distribution: Advanced.

SPPA 569 - Motor Speech Disorders (3 credits)

This course addresses the nature, etiology, and clinical management of motor speech disorders, with primary emphasis on apraxia and the dysarthrias.

Distribution: Advanced.

SPPA 572 - Thesis (3 credits)

This course will focus on the development of a thesis problem, the design of a research plan, collection and analysis of data, and writing of a formal thesis report.

Distribution: Advanced.

SPPA 574 - Orofacial Anomalies (2 credits)

This course will target the nature of, and rehabilitative procedures for, congenital and acquired orofacial anomalies. Prerequisite: SPPA 214 or equivalent.

Distribution: Advanced.

SPPA 577 - Independent Study: (3 credits)

This course of study is designed to allow the student to pursue, in depth, a professional area of interest. The topic to be studied may be further research of an area covered in another class, or study of a new topic of interest to the student.

Distribution: Advanced.

SPPA 580 - Preschool Language Skills as Precursor to Literacy (2 credits)

This course is designed to increase the knowledge base of Speech-Language Pathologists and other professionals who work with young children at risk for later literacy problems. The focus will be on the assessment and remediation of phonological and phonemic awareness skills in preschoolers. Prerequisite: Undergraduate or graduate degree in related field.

Distribution: Advanced.

SPPA 581 - Communication Skills Related to Autism Spectrum Disorders (2 credits)

This course is designed to provide a comprehensive analysis of various types of autism spectrum disorders (ASD) with special consideration given to communication needs and service delivery models. The roles and responsibilities of the speech-language pathologist will be examined. Prerequisite: SPPA 121 and 241.

Distribution: Advanced.

SPPA 582 - Management of School Programs (2 credits)

This course will address topics involved in the management and development of speech-language programs in the schools. Procedures for enrolling students into programs, techniques for classroom intervention, and pull-out therapy will be studied. Various related topics will also be introduced. This course is required for individuals seeking Pennsylvania certification in Teaching Speech-Language Impaired Students. Prerequisites: or graduate equivalents.

Distribution: Advanced.

SPPA 583 - Caseload Management in Medical SLP (2 credits)

This course will examine caseload management, procedures, documentation requirements, and reimbursement principles in acute care, acute rehabilitation, skilled nursing, outpatient, and home health medical settings. Requirements of accrediting organizations as well as regulations pertaining to state licensure regulations in the various settings will be discussed. Implications for the practicing speech-language pathologist will be reviewed in depth to include team building, ethical decision making, time management, family interaction, and interaction with medical and allied health personnel.

Distribution: Advanced.

SPPA 584 - Research Methods & Materials (2 credits)

The course addresses research methodologies and problem solving related to speech pathology and audiology and its literature with an emphasis on application.

Distribution: Advanced.

SPPA 586 - Advanced Clinical Externship (3 - 6 credits)

This course is designed to provide supervised, advanced clinical practice at off-campus sites, in applying diagnostic procedures and intervention strategies to preschoolers through adults who have speech, language, and/or hearing disorders. Specific communication disorders may include phonology, articulation, fluency, voice, language, and hearing. Developing skills to work with diverse linguistic populations will also be emphasized. This course may be repeated for credit. No student may graduate with a "C" in this course. If a student earns a "C" or lower, this course may be repeated only one time to improve the grade. A grade of "B" or better must be earned in this course for a student to be approved for graduation. Prerequisites: SPPA 550, (3) times; SPPA 560 and 562, completion of 30 credits in the Graduate SLP program.

SPPA 599T - Speech-Language Pathology Graduate Transfer (1 - 6 credits)

This course is designed to provide supervised, advanced clinical practice at off-campus sites, in applying diagnostic procedures and intervention strategies to preschoolers through adults who have speech, language, and/or hearing disorders. Specific communication disorders may include phonology, articulation, fluency, voice, language, and hearing. Developing skills to work with diverse linguistic populations will also be emphasized. This course may be repeated for credit. No student may graduate with a "C" in this course. If a student earns a "C" or lower, this course may be repeated only one time to improve the grade. A grade of "B" or better must be earned in this course for a student to be approved for graduation. Prerequisites: SPPA 550, (3) times; SPPA 560 and 562, completion of 30 credits in the Graduate SLP program.

Computer Science

College of Arts and Sciences

Department of Computer Science

Science & Technology 318

570-422-3666

www.esu.edu/cpsc

Computer Science Faculty

Graduate Coordinator:

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Assistant Professors:

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Computer Science M.S.

30 credits – Thesis track

33 credits – Non-thesis track

Purpose of degree

The purpose of the degree is to prepare students for technical leadership roles which requiring greater knowledge, skills and responsibility than would the bachelor's degree. The program provides advanced, in-depth instruction on cutting-edge computer science areas such as machine learning, parallel computing, and computer security. It develops skills, such as the ability to perform independent research, which are essential to success in the computer technology field. The program also provides excellent preparation for those wishing to enter a Ph.D. program.

Mission statement of the department

The mission of the Computer Science Department is to prepare students to become successful computer science problem solvers.

Special resources of the department

The Computer Science Department has modern, well-equipped laboratories and an active externally funded research program.

ILLUSTRATIVE PLAN OF STUDY

There are two options for the Master of Science in Computer Science: a thesis option and a non-thesis programming language option. For either option, the degree candidate must select a minimum of 18 credits of courses open only to graduate students.

Option I- Thesis Option

30 credits

Thesis Option: 30 credits

Required:

CPSC 530	Software Engineering	3
CPSC 542	Operating System Design	3
CPSC 562	Theory of Computation	3
CPSC 570	Introduction to Research	3
CPSC 598	Thesis I	3
CPSC 599	Thesis II	3

For thesis option: in addition to the required courses, 12 credits of graduate CPSC electives (numbered 500 or higher) must be taken. Program must culminate in a successful research thesis defense.

Option II – Non-Thesis Option

33 credits

Project Option: 33 credits

Required:

CPSC 530	Software Engineering	3
CPSC 542	Operating System Design	3
CPSC 562	Theory of Computation	3
CPSC 570	Introduction to Research	3
CPSC 574	Research Project	3

For project option: in addition to the required courses, 18 credits of graduate CPSC electives (numbered 500 or higher) must be taken. Program must culminate in a successful research project presentation and a comprehensive oral exam.

Additional requirements

1. For either option, at least 50% of coursework (excluding CPSC 574, 577, 598, and 599) must be graduate only courses or cross-listed (undergraduate/graduate) courses with the majority of students in the course obtaining graduate credits.
2. If the student has taken CPSC 430 as an undergraduate, one of the following courses must be substituted for CPSC 530: CPSC 531, 533, 535 or 547.
3. Admissions requirements and deadlines: Graduate school requirements and deadlines apply.
4. The undergraduate prerequisite courses for full admission into the program are: CPSC 130, 131, 141, 230, 232, 250, 321, 330, 340; MATH 140, 141, 220, 311, and 320.

No graduate student who has an A, B, or incomplete grade in a graduate course may re-enroll for credit in the course for a second time without approval of the department chair and the department graduate coordinator.

Admission requirement and deadlines

Graduate school requirements and deadlines apply.

Graduate Independent Study

You may take Graduate Independent Study to fulfill part of your electives, which allows the student to pursue special topics beyond regular courses. It cannot cover the same topic as your project or thesis. The application must include a study plan and objectives, and needs to be approved by a supervising fulltime faculty member and the department.

Graduate Assistantships

Graduate Assistantships (GAs) are available through the department. These are awarded based upon merit and achievement to full-time

students in the graduate program. GAs do not teach classes, but complete projects and tasks assigned by professors. The GA is awarded for the first year of full-time study, with the possibility of extension through the first summer. Prospective students should apply for a graduate assistantship at the time of original application to the program, using the application form online.

For more information, contact the department chair and/or graduate coordinator at 570-422-3666.

CPSC - Computer Science

CPSC 500 - ST: (3 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.

CPSC 521 - Computer Graphics (3 credits)

This course is an introduction to computer graphics. Basic principles for design, use, and understanding of graphics 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. Prerequisite: Ability to program in "C" or "C++".

CPSC 523 - Discrete Optimization Algorithms (3 credits)

This course introduces students to dynamic, linear, and integer programming algorithms. There will be programming practice involving these algorithms.

CPSC 525 - Expert Systems (3 credits)

This course is an introduction to knowledge-based systems. Basic concepts, characteristics, architectures, and tools will be studied. Major paradigms for synthesis and analysis class systems, and exact and inexact reasoning systems will be discussed. Computational and knowledge engineering issues will be treated by case studies and there will be programming practice.

CPSC 527 - Robotics (3 credits)

This course is an introduction to robotics on a technical level. The history of robotics, computer-aided manufacturing, robot components, sensors, programming systems, applications, and future implications of robotics technology will be studied. There will be hands-on experience with a robot.

CPSC 528 - Artificial Intelligence and Heuristic Programming (3 credits)

This course is an introduction to artificial intelligence and heuristic programming techniques. Search strategies, games, heuristic mechanisms, and automated deduction will be studied. There will be programming practice. For graduate credit, a student will be required to write a term paper or execute a project which reflects deeper investigation of the topics covered in the course.

CPSC 529 - Machine Learning (3 credits)

This course is an introduction to techniques which enable software to improve its performance over time. 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.

CPSC 530 - 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.

CPSC 531 - Advanced Topics in Software Engineering (3 credits)

This course will introduce the students to the current theoretical models and approaches used in the design, construction, and management of large, complex systems with long life cycles. Topic areas include requirements specification, design, configuration management, technical reviews, quality assurance, testing, and metrics. Case studies will be undertaken to compare the various approaches.

CPSC 532 - 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. For syntax, Backus-Naur form grammars, sentence generation/recognition, augmented transition networks, and parsing strategies will be studied. For semantics, case grammar theory, and parsing strategies will be studied. There will be case studies of current systems as well as programming practice. For graduate credit, a student will be required to write a term paper or execute a project.

CPSC 533 - Compiler Construction (3 credits)

This course is an introduction to the methods and techniques involved in translating high-level languages, such as "C," into executable machine code. Lexical scanning, parsing, symbol table construction, object code generation, and optimization will be studied and a compiler will be written. For graduate credit, a student will be required to write a term paper or execute a project which reflects deeper investigation of the topics covered in the course.

CPSC 534 - Compiler Construction II (3 credits)

This course is an introduction to the methods and techniques involved in translating high-level languages, such as "C," into executable machine code. Lexical scanning, parsing, symbol table construction, object code generation, and optimization will be studied and a compiler will be written. For graduate credit, a student will be required to write a term paper or execute a project which reflects deeper investigation of the topics covered in the course.

CPSC 535 - Parallel Computing (3 credits)

This course is an introduction to parallel computing, a rapidly growing area of computer science. Principles of parallel computer architecture and parallel algorithms for various applications will be studied. There will be practice in parallel programming.

CPSC 537 - 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.

CPSC 541 - Computer Architecture (3 credits)

This course involves the study of computer systems structure, organization, implementation, and performance. Von-Neumann machines, from the early EDVAC to current microprocessors will be

considered. Parallel processors and other specialized architectures will also be studied.

CPSC 542 - Operating System Design (3 credits)

This course will thoroughly examine the principles of the design of computer operating systems. Emphasis will be placed on process allocation and scheduling, concurrent programming, memory management, device management, file management, and protection. How the principles are implemented in an existing operating system will be examined.

CPSC 543 - Mobile Computing (3 credits)

This course provides students with an introduction to the state of art in mobile computing. Topics will include the fundamentals of mobile computing: architecture and devices, operating systems, wireless networks, algorithms and protocols, location-aware and context-aware services, etc. The students are expected to design, develop, implement and evaluate mobile computing applications.

Distribution: Advanced.

CPSC 544 - 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. For graduate credit, a student will be required to write a term paper or execute a project which reflects deeper investigation of the topics covered in the course.

CPSC 545 - 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. For graduate credit a student will be required to write a term paper or execute a project which reflects deeper investigation of the topics covered in the course.

CPSC 546 - Embedded Systems (3 credits)

This course provides students with an introduction to contemporary aspects of embedded-system hardware and software. Topics will include the fundamentals of embedded systems: hardware and software architectures, design methodologies and tools, communication algorithms and protocols. The students are exposed to case-studies of various embedded applications: vehicle networks, space system, networked sensors, personal computing devices and home appliances, etc.

Distribution: Advanced.

CPSC 547 - 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). For graduate credit a student will be required to write a term paper or execute a project which reflects deeper investigation of the topics covered in the course.

CPSC 550 - 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.

CPSC 553 - 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, effects of redundancy and database design. Representative examples of the relational and network approaches to database management will be examined. For graduate credit, a student will be required to write a term paper or execute a project which reflects deeper investigation of the topics covered in the course.

CPSC 554 - Data Structures and Algorithm Analysis (3 credits)

This course will analyze a variety of algorithms from the standpoint of what data structures are used and how they are implemented. Students will be introduced to the classes of NP-hard and NP-complete problems and to the theories of complexity analysis.

CPSC 562 - Theory of Computation (3 credits)

This course will introduce abstract counterparts of physical machines and algorithms. Turing machines and other automata will be presented. The notions of algorithms, computability and unsolvability will be rigorously defined and studied. Some problems not solvable by instruction-obeying machines will be examined.

CPSC 563 - Theory of Abstract Languages (3 credits)

This course is an introduction to sets of strings of symbols, their representations, structures, and properties. Abstract languages, formal grammars, productions, the Chomsky hierarchy, generation and recognition mechanisms for languages, and the relationship of formal languages to automata will be studied.

CPSC 570 - Introduction to Research (3 credits)

This course will introduce the student to the professional (open) literature as well as other sources in computer science. The student will investigate an area or problem and assimilate, integrate, and present the findings in a scholarly seminar. This course may be taken more than once with approval of the department.

CPSC 574 - Research Project (3 credits)

This course consists of doing research for and writing of a report concerning a topic of interest in computer science. The student will research the topic, develop a final report, and present the work in a formal oral presentation.

CPSC 575 - Research Project II (3 credits)

This course is a continuation of CPSC 574 P Research Project-I

CPSC 577 - IS: (3 credits)

Under the auspices of a qualified member of the faculty, the student pursues study and research related to professional knowledge and understanding in Computer Science. Topics must be established prior to enrollment.

CPSC 598 - Thesis I (3 credits)

This course consists of doing research for the writing of a thesis concerning a significant problem in computer science. Under the guidance of an advisor, the student will analyze, design, evaluate, and apply new research findings or technological advances, develop a final product, and present the work in a formal oral presentation.

Distribution: Advanced. Prerequisite: CPSC 570.

CPSC 599 - Thesis II (3 credits)

This course is a continuation of the research work done in CPSC 598.

Distribution: Advanced. Prerequisite: CPSC 598.

CPSC 599T - Computer Science Graduate Transfer (1 - 6 credits)

This course is a continuation of the research work done in CPSC 598.

Early Childhood and Elementary Education

College of Education

Department of Early Childhood & Elementary Education

Stroud Hall 209

570-422-3356

www.esu.edu/gradeled

Early Childhood and Elementary Education

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Masters of Education in Teaching the Developing Child

Purpose of Degree

The focus of the M.Ed. in Teaching for the Developing Child is to become a master educator. The mission of our Master's program is to guide educators to become leaders who apply research and best practice theory to make reflective and synergistic decisions that consistently support and extend the learning of all students. Through the core courses and individualized experiences, candidates are able to create a vision of themselves as reflective, synergistic decision makers.

National accreditation of the program:

National Council for Accreditation of Teacher Education

PROGRAM OF STUDY

Prerequisites required:

Master's degree candidates must have an overall GPA of at least 3.0 in their bachelors' program

Candidates must have a 3.0 overall and major GPA in their undergraduate programs. Candidates must submit all necessary documents required by the Graduate Studies Application, a Professional Goals Statement that reflects professional objectives for the program and two professional letters of recommendation.

PLAN OF STUDY

The Master of Education in Teaching the Developing Child program requires 33 credit hours, including core courses (15 credits) and courses in an area of concentration (12 credits) and electives (6 credits). Many courses are offered in both on-line and traditional classroom settings.

The concentration area includes a focus of 12 credits and an addition six credits of education electives that are chosen to meet the student's professional needs and personal interests. Students in collaboration with the graduate coordinator may design a concentration area that meets their professional needs and personal interests. The 18 credits of the concentration and electives are selected by the graduate student (in collaboration with the graduate coordinator) from one of the focus areas available for in-depth study.

The M.Ed. program supports the Advanced Teacher Education Conceptual Framework, developed by the ESU Teacher Education faculty. Core courses present research-based concepts related to teaching and learning as well as introduce various tools of inquiry. Concentration courses extend the master teacher's ability to articulate, apply, and adapt theoretical constructs to the classroom setting.

Final Graduation Requirement

Students select one of the following exit criteria to complete the M.Ed. program: Professional Portfolio, Curriculum Project, or Action Research.

The planning and developing of the Comprehensive Evaluation is an integral part of ELED 575, Graduate Seminar, a course taken between 24-27 credits.

At the end of graduate course work, the master teacher candidate will be able to demonstrate reflective, collaborative, and creative teaching practice and professional leadership qualities. A student may have a maximum of six credits of workshop courses included in a plan of study.

Core Courses - 15 credits required

ELED 502	Understanding the Developing Child	3
ELED 570	Introduction to Research	3
ELED 575	Graduate Seminar	3
DMET 510	Online Tools and Strategies for Learner-Centered Instruction	3

Concentration Courses - 18 credits required

The student shall, in consultation with the Graduate Coordinator, complete 12 graduate credits in one of the following focus areas:

- Early Childhood Education (PK-4)
- Middle School Education (4-8)
- Student Design

The Arts

ELED 517	Creative Teaching Methods for the Advanced Student	3
ELED 512	Integrating the Arts into Elementary Education	3
ELED 525	Creative Drama	3

Early Childhood

ELED 574	Problems and Issues in Early Childhood Education	3
ELED 589	Organization and Administration of Early Childhood Programs	3

English Language Arts

ELED 506	Second Language Acquisition and Development	3
ELED 507	Developing Cultural Awareness and Sensitivity	3
ELED 508	Applied Linguistics for ESL Teachers	3
ELED 509	Instructional Methods, Materials, and Assessments for ELL	3
ELED 510	English Language Learner (ELL) Family and Community Matters	2
ELED 511	State and Federal Issues Regarding ELL Students	2

Language Arts

ELED 520	Current Trends in Elementary School Language Arts	3
ELED 521	Children's Literature for Advanced Students	3
ELED 523	Diversity in Children's Literature	3
ELED 545	Bookarts	3

Math

ELED 540	Constructivist Approaches to teaching Mathematics	3
ELED 542	Current Trends in Elementary School Mathematics	3

Science

ELED 531	Life Science Workshop for Elementary Teachers	3
ELED 532	Physical Science Workshop for Elementary Teachers	3
ELED 534	Seminar in Elementary School Science	3

Social Studies

ELED 535	Classroom Diversity	3
ELED 550	Current Trends in Elementary School Social Studies	3

Research

ELED 569	Research Laboratory in Early Childhood and Elementary Education	1
ELED 571	Research Problems	1
ELED 572	Thesis I	3

Additional Courses

ELED 505	Managing the Learning Environment	3
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ELED 533	Designing and Implementing Programs for Professional Development	3
ELED 544	International Collaborative Learning Project	1 - 3
ELED 549	Reducing Classroom Conflict	3
ELED 553	Teaching and Motivation	3
ELED 556	Cooperative Learning - Learning Teams in Action	3
ELED 557	Reducing Stress in the Classroom	3
ELED 569	Research Laboratory in Early Childhood and Elementary Education	1
ELED 577	IS:	3
ELED 582	Discipline in the Classroom	3

Admissions deadlines

Fall:	March 15
Spring:	Sept. 15
Summer:	Jan. 15

Graduate Assistantships:

Graduate assistantships are available through the department. These are awarded based upon merit and achievement to full-time students in the graduate program.

Graduate assistants do not teach classes, but complete projects and tasks assigned by professors.

The graduate assistantship is awarded for the first year of full-time study, with the possibility of extension through the first summer. Prospective students should apply for a graduate assistantship at the time of original application to the program, using the application form online.

Full consideration will be given to those students who meet the application deadlines. Candidates will be selected and interviewed by the department chair and/or graduate coordinator.

Please contact the department chair and/or graduate coordinator at 570-422-3356 for additional information.

ELED - Elementary Education

ELED 500 - ST: (3 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.

ELED 502 - Understanding the Developing Child (3 credits)

This course deals with the principles and theories of human development; dimensions of growth; cognitive, social, and personality development of the child; the impact of sociocultural change on the home and school as these relate to the developing child.

ELED 505 - Managing the Learning Environment (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.

ELED 506 - Second Language Acquisition and Development (3 credits)

This course reviews the field of second language acquisition (SLA) in order to provide students with an understanding of the way in which second languages are learned and acquired. The course will survey various theories of second language acquisition. The course will also examine the impact of internal and external variables on second language acquisition and development. Some topics include: the role of learning environment for language acquisition, explanations for different success among second language learners, variations in second language use, and the effect of classroom instruction in second language acquisition.

ELED 507 - Developing Cultural Awareness and Sensitivity (3 credits)

This course focuses on the principles of cultural diversity including: second language acquisition, historical and current socio-cultural theories, language and cultural sensitivity and issues related to cultural interaction and communication in school and community. Topics addressed include basic competencies of culturally and linguistically effective programs and instructional strategies appropriate for multi-cultural student populations.

Distribution: Advanced.

ELED 508 - Applied Linguistics for ESL Teachers (3 credits)

This course is designed to acquaint students with fundamental knowledge of general linguistics in order to teach English language learners in K-12 setting. It introduces the origins and nature of language, examines the language systems, and how meaning is structured. In particular, the course will focus on the core areas of linguistics and interdisciplinary aspects. The core linguistics will include phonetics (the study of speech sounds), phonology (the sound system of languages), morphology (the internal structure of words), syntax (the sentence structure), and semantics (the study of word and sentence meanings). The interdisciplinary areas will incorporate language and sociolinguistics (language in social contexts meanings). The interdisciplinary areas will incorporate language and sociolinguistics (language in social contexts).

Distribution: Advanced. Prerequisite: ELED 506 AND ELED 507.

ELED 509 - Instructional Methods, Materials, and Assessments for ELL (3 credits)

This course will offer an overview of a variety of materials that will benefit ELL students in the acquisition of the English language as well as in gaining knowledge in the content areas. This course will be an in-depth study of how to design ESL reading and writing classes and how to create instruction and assessment materials for these classes based on sound pedagogical principles. Much of the course will include hands-on experience, discussion, and practical application of course topics. A key component of the course is the student's participation in volunteer ESL teaching.

Distribution: Advanced. Prerequisite: ELED 506 AND ELED 507 AND ELED 508.

ELED 510 - English Language Learner (ELL) Family and Community Matters (2 credits)

This course will explore the development of effective community partnerships and the integral role of English Language Learner (ELL) families within communities and schools. Discussion will include the different community contexts of ELL families and how they affect family functioning. This course will emphasize the understanding of how ELL students' learning is influenced by individual experiences, talents, disabilities, gender, language, culture, family, and community

values. The students will be challenged to apply knowledge of the richness of contributions from our diverse linguistic and cultural society to your teaching field.

Distribution: Advanced. Prerequisite: ELED 506 AND ELED 507 AND ELED 508 AND ELED 509.

ELED 511 - State and Federal Issues Regarding ELL Students (2 credits)

This course will include specific local, state, and federal laws governing ESL programs and services that will be discussed in detail. The impact, application of the laws, and strategies for complying with them in the K-12 setting are major areas of focus. Students will explore the various ways in which issues of language intersect with issues of the law. We will study, through the analysis of specific pieces of legislation and specific court cases, how issues related to the ELL students are answered. The course will also focus on the ways in which legislation, policy and jurisprudence affect minority language cultures in the US schools.

Distribution: Advanced. Prerequisite: ELED 506 AND ELED 507 AND ELED 508 AND ELED 509 AND ELED 510.

ELED 512 - Integrating the Arts into Elementary Education (3 credits)

This course deals with integrating all the arts into the elementary school curriculum with or without arts specialists. It concerns itself with education in, through, and about the arts for aesthetic and motivational purposes.

ELED 515 - Individualizing Instruction in Elementary Education (3 credits)

This course will examine individual differences, types of learning styles, and various strategies which are used to individualize instruction. Students will work on individual projects which can be applied directly to their own teaching assignment. Although emphasis is placed on elementary education, many topics will apply to the K-12 classroom.

ELED 517 - Creative Teaching Methods for the Advanced Student (3 credits)

This course examines current research in creativity. Students are encouraged to investigate their own creative process and develop strategies for enriching teaching strategies. Best teaching practices for enhancing creativity in the classroom are studied.

ELED 520 - Current Trends in Elementary School Language Arts (3 credits)

This course examines current elementary school language arts curricula, newer approaches to organization of elementary schools and classrooms for implementation of learning in the language arts; modern techniques of teaching, listening, speaking, and written communications; investigation of research studies in elementary school language arts.

ELED 521 - Children's Literature for Advanced Students (3 credits)

This course presents a critical evaluation of materials which will meet the needs of teachers and children in the use of literature in the curriculum. Special attention is paid to the social and personal issues in the child's life and the use of bibliotherapy in the elementary classroom. Emphasis is also placed on building a literature-based classroom curriculum.

ELED 523 - Diversity in Children's Literature (3 credits)

This course enhances the learners' knowledge of the uses of children's literature within the elementary classroom. Literature

representative of diverse cultural and ethnic groups will be explored, evaluated, and utilized. Prerequisite: Completion of an undergraduate or graduate course in children's literature or permission of the professor.

ELED 525 - Creative Drama (3 credits)

This course develops knowledge and skills in using creative drama and theatre activities with children to enhance and assess dramatic learning ability. Dramatic behaviors, theatre skills, imagery ability, imagination, group skills, and the connection between imagination and action are actively explored.

ELED 530 - Constructivist Approach to Teaching Science (3 credits)

An advanced course which will enable teachers of PreK-8th grade science to update their content backgrounds and enhance their teaching of science through the use of inquiry-oriented activities. Students will participate in model lessons and then design and field test their own unit of instruction.

ELED 531 - Life Science Workshop for Elementary Teachers (3 credits)

This course is designed to enhance the teaching of life science concepts in the elementary schools. Participants will experience a variety of hands-on activities and develop a set of activity-based materials for use in their own classrooms. Instruction in environmental education will also be provided. (Workshop Course)

ELED 532 - Physical Science Workshop for Elementary Teachers (3 credits)

This course is designed to enhance the teaching of physical science concepts in the elementary schools. Participants will experience a variety of hands-on activities and develop a set of activity-based materials for use in their own classrooms. There will also be opportunities to explore the use of emerging technologies such as microcomputer-based laboratories and interactive multimedia. (Workshop Course)

ELED 533 - Designing and Implementing Programs for Professional Development (3 credits)

This workshop will emphasize the knowledge and skills needed for teachers to participate in designing and facilitating their own professional development programs. Teaching styles and activities will be explored, while participants utilize self-assessment to evaluate their needs and establish goals. Strategies for implementation will be discussed. (Workshop Course)

ELED 534 - Seminar in Elementary School Science (3 credits)

Current issues, problems, research, and theoretical and philosophical aspects of elementary science education are discussed. Prerequisite: Approval of instructor.

ELED 535 - Classroom Diversity (3 credits)

This course encourages educators to identify their own values, prejudices, and goals; to examine their thoughts and/or misconceptions about culturally diverse communities. Designed to help them create school climates that celebrate diversity and meet the needs of students of different races, ethnicities, gender, and ability levels.

ELED 538 - Workshop for Elementary Teachers to Teach the Metric (SI) System (3 credits)

This course encourages educators to identify their own values, prejudices, and goals; to examine their thoughts and/or misconceptions about culturally diverse communities. Designed to help them create school climates that celebrate diversity and meet

the needs of students of different races, ethnicities, gender, and ability levels.

ELED 540 - Constructivist Approaches to teaching Mathematics (3 credits)

This course places emphasis on recent developments in the teaching of PreK-8th grade mathematics. Additional emphasis will be placed on standards-based teaching and the evaluation of mathematics programs.

ELED 542 - Current Trends in Elementary School Mathematics (3 credits)

An investigation and analysis of current local, state, and national mathematics projects and their implications are made. Prerequisite: ELED 540 Mathematics in the Elementary School.

ELED 544 - International Collaborative Learning Project (1 - 3 credits)

This course enables students to participate in a unique learning event 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. Prerequisite: Permission of instructor.

ELED 545 - Bookarts (3 credits)

This course examines the history of writing, paper and book making and the current artistic form of BookArts. Students will create a wide assortment of books as they explore the unique relationship between visual and verbal literacies. Instructional strategies to connect, set up, integrate, document and evaluate BookArts in the classroom will be delineated.

ELED 548 - Reality Therapy in the Classroom (3 credits)

The workshop provides opportunities for teachers to explore the reading process from a variety of current viewpoints and to help the participants develop their own personal classroom teaching programs to put these ideas into practice. The course is designed to stimulate new thinking, to have participants experience activities that can be used with students, and to give participants confidence in creating personalized reading activities and materials for their own students. Prerequisites: ELED/PSED 581 or ELED/PSED 582. (Workshop Course)

ELED 549 - 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. Prerequisite: ELED 581. (Workshop Course)

ELED 550 - Current Trends in Elementary School Social Studies (3 credits)

Participants in this course will review current research in social studies education and discuss current trends in relation to national standards. Participants will also utilize social studies learning strategies and develop activities consistent with current literature.

ELED 553 - Teaching and Motivation (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 learning styles. (Workshop Course)

ELED 555 - The Clinical Supervision of Elementary Student Teachers (3 credits)

Course participants will examine the objectives of the student teaching program and relate them to the specific roles and needs of both student teachers and cooperating teachers. The primary emphasis of the course will be on developing the skills necessary to work with student teachers using the clinical supervision model. Participants will become effective at accurately collecting data on classroom verbal interaction, teacher non-verbal behavior, questioning techniques, movement patterns, student involvement, student behavior, time allocation, classroom management, and teacher effectiveness.

ELED 556 - Cooperative Learning - Learning Teams in Action (3 credits)

This course allows educators to explore methods useful in establishing cooperative learning in the classroom. Cooperative learning provides the educators with a framework for maximizing student achievement through the use of critical thinking, problem solving skills, and teamwork. The course will introduce the educator to the fundamentals of control theory as it applies to cooperative learning, and will provide the educator with the opportunity to develop a teaching plan or implementing cooperative learning in the classroom. (Workshop Course)

ELED 557 - 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 through creative thinking and effective classroom management. The course provides techniques for reducing classroom stress in both teachers and students. Prerequisites: PSED 161, 242. (Workshop Course)

ELED 559 - 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 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. (Workshop Course)

ELED 560 - Adaptive Education for Exceptional Students (3 credits)

This course is designed for the teacher of the non-specialized class. Emphasizes the skills and understanding necessary for the following: recognition of various forms of exceptionality in children; establishment of good interpersonal relationships; selection and adaptation of suitable curriculum materials, content, and methodology; and awareness of proper procedures in referring exceptional students for specialized help.

ELED 569 - Research Laboratory in Early Childhood and Elementary Education (1 credit)

The preparation of the research proposal includes the development of purpose and design of the proposed research problem or thesis. This course must be repeated until "satisfactory" grade is earned; failure to design an acceptable proposal results in "no record" which carries no credit or penalty. Prerequisite: Completion or concurrent enrollment in ELED 570.

ELED 570 - Introduction to Research (3 credits)

This course is an introduction to the basic principles and major methods used in investigation of educational problems. Attention is given to the significant steps involved in compiling a research proposal. Required of all graduate students in the degree program. In compliance with the Graduate School policies, students are advised to complete this course early in their program. Prerequisite: ELED 502 — Elementary Education majors only.

ELED 571 - Research Problems (1 credit)

This course involves the solution of a problem that requires the utilization of research methodology. Emphasis is placed upon the kinds of problems that frequently confront the elementary school teacher in the normal teaching situation. Required of all students in the Non-Thesis program. It may be repeated with permission of the chair of the program faculty. It requires prior completion of ELED 570.

ELED 572 - Thesis I (3 credits)

This focuses on the procedure, analysis, and writing of the thesis and includes an extensive study of a problem that merits the utilization of thesis-level investigative skills.

ELED 573 - Internship Elem Chi Ed (6 credits)

This focuses on the procedure, analysis, and writing of the thesis and includes an extensive study of a problem that merits the utilization of thesis-level investigative skills.

ELED 574 - Problems and Issues in Early Childhood Education (3 credits)

This course consists of a review of recent research in early childhood education and an examination of current controversial issues, with an attempt at synthesis.

ELED 575 - Graduate Seminar (3 credits)

This course explores models of assessment and evaluation in education. It also develops the framework and focus for graduate students' degree program comprehensive evaluation. Prerequisites: ELED 570 and completion of at least 18 graduate credits.

Prerequisite: ELED 570 and 18 credits.

ELED 577 - IS: (3 credits)

Under the auspices of a qualified member of the faculty of the Graduate School the student pursues a pattern of readings, study, and research related to professional knowledge and understanding in elementary education. Topics should be established prior to enrollment. Prerequisite: Approval of the department chair.

ELED 582 - Discipline in the Classroom (3 credits)

This workshop is designed for participants to take part in learning activities that will enable them to develop positive techniques for preventing and handling student behavior problems. (Workshop Course)

ELED 585 - 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 assessed through a group process. Systems for change will be developed utilizing personal influence and power. The workshop also helps participants acquire additional skill in expanding their knowledge and use of Reality Therapy in the educational environment. (Workshop Course)

ELED 589 - Organization and Administration of Early Childhood Programs (3 credits)

This course emphasis is on organization and administration of high-quality preschool 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.

ELED 592 - Curriculum Approaches and Design (3 credits)

This course will center on a survey of approaches to curriculum with emphasis on alignment and fundamental principles of curriculum design. Historical and contemporary materials related to the curriculum approaches will be used to illustrate trends and innovations.

ELED 599T - Elementary Education Graduate Transfer (1 - 6 credits)

This course will center around a survey of the elementary school curriculum with emphasis on fundamental principles of curriculum development. Historical materials related to the curriculum are used to illustrate trends and innovations. Attention will be given to articulation in curriculum.

English

College of Arts and Sciences

Department of English

Stroud Hall 309

570-422-3398

www.esu.edu/english

The English Department offers an M.A. degree in Professional and Digital Media Writing. All of the M.A. coursework is taught online, making the program convenient for the employed graduate student.

The program gives future professional writers, as well as those seeking to update skills, a strong background in professional research, writing for organizations, digital document design, and copyediting and publishing. Course electives permit the student the opportunity to explore various professional writing disciplines, such as journalism, creative writing, and corporate communications.

English Faculty

Graduate Coordinator:

Holly Wells, Ph.D., (hwells1@esu.edu)

Professors:

Allan Benn, Ph.D., (abenn@esu.edu)

Kathy Duguay, Ph.D., (kduguay@esu.edu)

Sandra Eckard, Ph.D., (seckard@esu.edu)

Leigh Smith, Ph.D., (lsmith@esu.edu)

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Associate Professors:

William Broun, M.A., (wbroun@esu.edu)

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Cynthia Leenerts, Ph.D., (cleenerts@esu.edu)

Richard Madigan, M.F.A., (rmadigan@esu.edu)

Kim McKay, Chair, Ph.D., (kmckay@esu.edu)

Jan Selving, M.F.A., (jselving@esu.edu)

Assistant Professors:

Holly Wells, Ph.D., (hwells1@esu.edu)

Professional and Digital Media Writing, M.A.

30 credits

REQUIREMENTS

Required courses

ENGL 501	Seminar in Professional Writing Styles and Approaches	3
ENGL 510	Introduction to Professional Writing Research Methods	3
ENGL 514	Advanced Grammar and Copyediting	3
ENGL 520	The Professional Document	3
ENGL 590	Thesis in Professional and New Media Writing	3

15 additional credits from:

ENGL 530	Theory and Craft of Writing	3
ENGL 531	Professional Writing for the Web	3
ENGL 532	Public Relations and Organizational Writing	3
ENGL 533	Professional Writing About Places	3
ENGL 534	Visual Rhetoric in Professional Writing	3
ENGL 536	Administrative and Technical Writing	3
ENGL 540	Theories of Electronic Writing	3
ENGL 541	Studies in Journalistic Literature	3
ENGL 542	Currents in American Journalism	3

Additional requirements

Program will be reclassified as 100 percent online

In addition, the English Department continues to offer graduate coursework in support of teaching certification and Masters of Education programs, in conjunction with other requirements of the Department of Professional and Secondary Education.

Those graduate courses in English are geared toward new and continuing teachers in the middle and high school levels.

ENGL - English

ENGL 500 - ST: (6 credits)

This course is designed to provide the student with an opportunity to work with a faculty member in English during the student teaching experience.

ENGL 501 - Seminar in Professional Writing Styles and Approaches (3 credits)

In this course students will explore and evaluate the range of professional writing rhetoric, rhetorical styles, and genres from a scholarly and critical perspective. In addition students will meet peers and professors in informal settings, attend guest lectures and participate in discussions facilitated by nationally significant authors, editors, agents, vision-makers, and publishing entrepreneurs from the New York City/Philadelphia metroplexes in the fields of advertising, journalism, public relations, technical communication and creative writing.

Distribution: Advanced.

ENGL 503 - Shakespeare: Advanced Studies (3 credits)

This course is intended to enhance the student's knowledge of comedies, tragedies, and histories of Shakespeare besides those taught and retaught in our schools. Students will also study recent Shakespearean criticism.

ENGL 510 - Introduction to Professional Writing Research Methods (3 credits)

This course combines an introduction to traditional academic research, historiography, source-review, and archival analysis practices with the appraisal of and practice in using some of the cutting-edge, technology, driven methods of research (data mining, crowdsourcing, online research tools, etc.) employed by professional writers working in senior-level and/or advanced corporate, governmental, and non-profit contexts.

Distribution: Advanced.

ENGL 512 - 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 schools, intensively review writing process 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 PSED 512. Prerequisites: Graduate standing.

ENGL 513 - Seminar in Writing Pedagogy and Instructional Practices (6 credits)

This is an intensive four-week summer course for teachers of all disciplines and grade levels that focuses on three related activities: (1) teacher demonstrations of classroom practice; (2) study of current theory and research in writing, thinking, diversity, and teaching; and (3) practice in writing and responding. Prerequisites: B.A. or B.S. in any academic discipline and consent of instructor.

ENGL 514 - Advanced Grammar and Copyediting (3 credits)

This course will prepare writers to make informed decisions about grammar, usage, style and punctuation in professional manuscripts. Following a review of the concepts and terminology specific to the field, the course will include practice in writing and proofreading both on-line and paper texts designed for a variety of publications, as the requirements vary from one medium and genre to another.

Distribution: Advanced.

ENGL 515 - Computers And Writing (3 credits)

Computers and Writing will examine the impact that the new forms of electronic writing have had and will have on conventional print-based writing. We will analyze various forms of electronic writing such as the World Wide Web, e-mail, listservs, newsgroups, and MOOs.

ENGL 520 - The Professional Document (3 credits)

This course focuses on current editorial document production in order to prepare students for editorial jobs in news, magazine, and online media. Workplace writing production and the effective combined use of written text and image in a variety of formats, including brochures, magazine layouts, book design, web pages, PowerPoints, instructional texts, and advertisements will be discussed. Students will use industry standard tools and techniques associated to current editorial processes.

Distribution: Advanced.

ENGL 530 - Theory and Craft of Writing (3 credits)

This course focuses on the theory and craft of writing in one of the following genres: poetry, fiction, creative nonfiction, journalism, screenwriting, web-based writing, public relations writing,

advertising, etc. Emphasis will be on the historical and theoretical underpinnings of craft as they apply to the particular genre or mode of discourse.

Distribution: Advanced.

ENGL 531 - Professional Writing for the Web (3 credits)

This course will focus on web writing, design and site-evaluation and provide students with opportunities to carry out a range of sophisticated web-based writing projects for regional non-profits, from creating entire websites to writing select content or revamping existing websites. The course assumes no prior knowledge of programming languages, but all students within the first month will be expected to gain a working knowledge in HTML, XML, and CSS languages, as well as knowledge of scripting languages.

Distribution: Advanced.

ENGL 532 - Public Relations and Organizational Writing (3 credits)

This course will focus on case study analyses of current corporate and non-profit public relations and corporate documents. A major emphasis of the course will be on best practices in public relations and corporate writing.

Distribution: Advanced.

ENGL 533 - Professional Writing About Places (3 credits)

This course will examine travel writing, travel journalism, public relations initiatives for institutions such as universities, corporations, school districts, living complexes. Emphasis will be placed on creating original documents in various genres.

Distribution: Advanced.

ENGL 534 - Visual Rhetoric in Professional Writing (3 credits)

This course will cover the history and theory of visual rhetoric and its relationship to print. Students will research, read, analyze, and write about rhetorical images and their social, cultural and political implications. Students will also create visual text for varied rhetorical purposes.

Distribution: Advanced.

ENGL 536 - Administrative and Technical Writing (3 credits)

This course focuses on theories and application of administrative and technical writing in print and electronic media. Students will explore the various purposes, genres, styles, and contexts for writing within a corporate, business, government, and/or technical workplace and will create their own administrative and technical documents.

Distribution: Advanced.

ENGL 537 - 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: Advanced.

ENGL 540 - Theories of Electronic Writing (3 credits)

This course will cover the history and theory of electronic writing spaces and how computers, the Web and mobile devices are transforming print based writing. Students will read a wide range of books and articles focused on the evolution and development of the various theories of electronic writing and compose original work in both print and electronic media.

Distribution: Advanced.

ENGL 541 - Studies in Journalistic Literature (3 credits)

Students will analyze and engage with a wide variety of literature written by journalists, covering crucial world events and political situations, exploring intersection of journalistic reportage and creative nonfiction.

Distribution: Advanced.

ENGL 542 - Currents in American Journalism (3 credits)

This course provides an overview of the history of American journalism in newspaper and magazine writing. The course examines American journalism across several distinct phases: the colonial era; the Revolutionary War and early Republic period; the antebellum and post-Civil War periods; late nineteenth-century and early twentieth-century yellow journalism and muckraking; the twentieth-century syndication of the press; and the evolving multimedia age. The course will discuss the interaction between American journalism and the rise of American Literature and art.

Distribution: Advanced.

ENGL 554 - Topics in British Literature (3 credits)

This graduate course will provide new perspectives for the study of British literature. The new perspectives will include recent critical theories, fresh contexts, and reconceived canons. The emphasis and period(s) considered may vary each semester the course is offered. Students may take this course for credit more than once if they wish to study more than one approach or period.

ENGL 562 - Topics in American Literature (3 credits)

This graduate course will provide new perspectives for the study of American literature. The new perspectives will include recent critical theories, fresh contexts, and reconceived canons. The emphasis and period(s) considered may vary each semester the course is offered. Students may take this course for credit more than once if they wish to study more than one approach or period.

ENGL 563 - Studies in Contemporary Literature (3 credits)

This graduate course will consider the major intellectual and aesthetic developments in recent literature. Each semester it is offered, the instructor will choose one particular genre, group of writers, or new literary development to concentrate on for intensive study.

ENGL 564 - Contemporary Literary Theory for Teachers (3 credits)

This course will consider major developments in recent literary theory and seek to apply them to realistic pedagogical methodology concerning the reading and writing of literature in public schools.

ENGL 565 - Topics in World Literature (3 credits)

This course is an examination of literature other than British and American, such as African, Asian, Native American, Middle Eastern, Classical, South American, Caribbean, and European. The instructor may choose to examine a particular literary tradition, the literary points of view of a region, a theme running through several literary traditions, or a particular way of reading and responding to a body of literature. Students may take this course for credit more than once if they wish to study more than one tradition or period.

ENGL 566 - 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.

ENGL 567 - 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.

ENGL 577 - IS: (3 credits)

Under the auspices of a qualified member of the department faculty, the student pursues a pattern of reading, study, and research related to the understanding and knowledge of English.

ENGL 590 - Thesis in Professional and New Media Writing (3 credits)

Students taking thesis hours develop and complete a written professional, scholarly, and/or artistic capstone project in professional and new media writing in consultation with their thesis committee chairperson. Planned field experiences in professional and/or new media writing may also comprise all or part of this capstone project.

Distribution: Advanced.

ENGL 599T - English Graduate Transfer (1 - 6 credits)

Students taking thesis hours develop and complete a written professional, scholarly, and/or artistic capstone project in professional and new media writing in consultation with their thesis committee chairperson. Planned field experiences in professional and/or new media writing may also comprise all or part of this capstone project.

ENGL 90 - Composition Skills (3 credits)

Students taking thesis hours develop and complete a written professional, scholarly, and/or artistic capstone project in professional and new media writing in consultation with their thesis committee chairperson. Planned field experiences in professional and/or new media writing may also comprise all or part of this capstone project.

Exercise Science

College of Health Sciences

Department of Exercise Science

Koehler Fieldhouse

570-422-3302 | www.esu.edu/gradexsc

Exercise Science Graduate Faculty

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Assistant Professor:

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Exercise Science M.S.

35 Semester Hours

Purpose of Degree

The M.S. program is available to those students who wish to pursue study of a specialized focus within the body of knowledge underlying Exercise Science. Two options are available to students: a thesis option or an internship option.

The thesis option is designed to provide students with valuable experience in the design and implementation of research within the field of Exercise Science with the goal of subsequently pursuing doctoral study

The internship option supplements classroom and laboratory studies with an extensive internship that allows students to experience applied aspects of Exercise Science. The internship option is designed for those students who wish to become practitioners in the field of Exercise Science.

National Accreditation

The M.S. in Exercise Science is accredited by the Commission on Accreditation of Allied Health Educational Programs (CAAHEP).

PROGRAM OF STUDY

Required courses

EXSC 511	Motor Learning and Control	3
EXSC 513	Evaluation in Exercise Science	3
EXSC 524	Advanced Biomechanics Laboratory Techniques	1
EXSC 525	Psychology of Human Performance	3
EXSC 526	Biomechanics of Human Performance	3
EXSC 527	Physiology of Human Performance	3
EXSC 528	Advanced Exercise Physiology Laboratory Techniques	1
EXSC 547	Advanced Topics in Sports Nutrition and Exercise	3
EXSC 565	Seminar in Strength and Conditioning	3
EXSC 570	Introduction to Research	3
CEXP 536	Organization & Administration of Cardiac Rehabilitation & Primary Prevention Programs	3

Thesis Option

EXSC 563	Neuromuscular Adaptations to Exercise	3
EXSC 572	Thesis Seminar	3

Internship Option

EXSC 510	Advanced Exercise Assessment and Programming	3
EXSC 586	Field Experience and Internship	1 - 6

NOTE: Additional coursework may be selected above aforementioned requirements to support research interests.

Admission Requirements

Please see the Exercise Science Department web page for information on specific admission requirements for this program.

Final Graduation Requirement

Completion of a thesis or internship is required, and all graduate students in the Exercise Science Department are expected to demonstrate computer literacy.

Graduate Assistantships

Graduate assistantships are available through the department. These are awarded based upon merit and achievement to full-time students in the graduate program. Graduate assistants do not teach classes, but complete projects and tasks assigned by professors.

The graduate assistantship is awarded for the first year of full-time study, with the possibility of extension through the first summer. Prospective students should apply for a graduate assistantship at the time of original application to the program, using the application form online.

Advanced Sport Performance Certificate

PROGRAM OF STUDY

18 credits

Required courses

EXSC 591	Advanced Philosophy of Performance Training & Coaching	3
EXSC 592	Advanced Principles of Performance Enhancement for Performance Coaching	3
EXSC 594	Advanced Seminar in Sport Performance Coaching	3
EXSC 595	Advance Sport Performance Coaching Practicum	3

Students outside of the major may be advised to complete additional coursework.

EXSC - Exercise Science

EXSC 510 - Advanced Exercise Assessment and Programming (3 credits)

This course will address exercise assessment and programming for healthy and special populations (i.e., children, elderly, and individuals with cardiovascular disease, hypertension, metabolic syndrome, dyslipidemia, etc.). Established advanced exercise assessment methodology and techniques commonly used in exercise science will be presented. Case studies focusing on healthy individuals and diseased populations will be reviewed to enhance understanding.

Distribution: Advanced.

EXSC 511 - Motor Learning and Control (3 credits)

This course is designed to provide the student with a conceptual model of motor learning and control developed within a multidisciplinary framework. The theoretical aspects of motor learning and control drawn from the extant literature will provide a foundation upon which the student can build and apply directly to practical examples from exercise science to develop appropriate practices that optimize motor skill learning.

Distribution: Advanced.

EXSC 513 - Evaluation in Exercise Science (3 credits)

This course will address basic statistical techniques for analyzing and interpreting cognitive, psychomotor and affective variables in the exercise science literature. These evaluative tools will be applied to

program evaluation, competency-evaluation, and outcome assessment.

EXSC 516 - Advanced Kinesiology and Pathokinetics (3 credits)

This course will address basic statistical techniques for analyzing and interpreting cognitive, psychomotor and affective variables in the exercise science literature. These evaluative tools will be applied to program evaluation, competency-evaluation, and outcome assessment.

EXSC 520 - Sports Medicine (3 credits)

This course is a survey of topics included under the broad umbrella of sports medicine, representing both scientific and clinical branches of the field. Emphasis is placed on factors which can enhance performance, promote, and protect the welfare of participants in exercise, dance, recreational, and competitive sport

EXSC 524 - Advanced Biomechanics Laboratory Techniques (1 credit)

This course is a survey of topics included under the broad umbrella of sports medicine, representing both scientific and clinical branches of the field. Emphasis is placed on factors which can enhance performance, promote, and protect the welfare of participants in exercise, dance, recreational, and competitive sport

EXSC 525 - Psychology of Human Performance (3 credits)

This course treats the research and theoretical consideration of the psychological variables in human performance, with special reference to the body self in movement, and the psychology of sport

EXSC 526 - Biomechanics of Human Performance (3 credits)

This course focuses on the study of basic physical laws relative to human motor performance. Factors such as equilibrium, linear motion, angular motion, ballistic movement, and fluid mechanics are considered as they affect internal body mechanics of the human and his/her interaction with environmental objects

EXSC 527 - Physiology of Human Performance (3 credits)

Emphasis is given to study of metabolism and cardiovascular and respiratory human physiology.

EXSC 528 - Advanced Exercise Physiology Laboratory Techniques (1 credit)

The course is designed to provide exercise physiology laboratory experiences related to the metabolic, cardiovascular and respiratory systems. Laboratory experiences will include advanced measurement techniques in maximal exercise testing, supramaximal exercise, lactate and glucose measurement, and anaerobic assessment.

EXSC 541 - Environmental Exercise Physiology (3 credits)

This course includes a 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 (hypobaric), and hyperbaria. Focus will be on general and specific mechanisms of adjustment of circulation, respiration, fluid regulation, and metabolism. Both theoretical and laboratory experiences will be provided.

EXSC 547 - Advanced Topics in Sports Nutrition and Exercise (3 credits)

This course is designed to provide the student with the advanced knowledge and understanding of contemporary topics in sports nutrition and exercise metabolism as they relate to sports and exercise performance. Topics will include macronutrients, micronutrients, sports drinks, hydration, disordered eating, herbal and commercial nutritional supplements, meal planning, and exercise metabolism as they relate to sports competition and physical activity

EXSC 551 - 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.

EXSC 552 - Exercise 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 provides practical as well as theoretical experience.

EXSC 553 - Reducing Coronary Heart Disease Workshop (2 credits)

This workshop 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 reviewed. 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.

EXSC 554 - 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.

EXSC 556 - 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.

EXSC 557 - Physical Activity as Medicine Workshop (2 credits)

Students will learn to be "Exercise is Medicine" coaches. Exercise is Medicine is a 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 several "hypokinetic" diseases including diabetes, pulmonary and heart disease.

Distribution: Advanced.

EXSC 560 - Physical Activity Across the Lifespan (3 credits)

This course will explore the scientific evidence relating the role of physical activity and exercise across the lifespan. The risks and benefits of physical activity from birth to death will be explored. The developmental processes of maturation and aging will be considered.

The role of physical activity in various health and disease processes associated with development and maturation will be discussed.

EXSC 561 - Experimental Exercise Physiology (3 credits)

This course will explore the scientific evidence relating the role of physical activity and exercise across the lifespan. The risks and benefits of physical activity from birth to death will be explored. The developmental processes of maturation and aging will be considered. The role of physical activity in various health and disease processes associated with development and maturation will be discussed.

EXSC 563 - Neuromuscular Adaptations to Exercise (3 credits)

This course is designed to study skeletal muscle physiology as it relates to exercise, and the physiological adaptations that occur following alterations in mechanical loading. Advanced concepts relating to skeletal muscle adaptation during exercise training and inactivity are treated.

EXSC 565 - Seminar in Strength and Conditioning (3 credits)

The relationship of exercise, rest, fatigue, nutrition, and heredity to physical performance is studied. Current methods of physical conditioning will be discussed. Programs for fitness and athletic conditioning are developed and discussed.

EXSC 570 - Introduction to Research (3 credits)

This course provides an orientation to graduate study and research in health education and movement studies and exercise science. This seminar is designed to acquaint the graduate student with the methods and materials of graduate study and scientific inquiry. It is required of all graduate students in the degree program. Permission of Graduate Coordinator

EXSC 571 - Independent Research Problem (1 credit)

This course utilizes selected research techniques to investigate a specific professional or academic problem. It includes preparation and presentation of a formal report. The student must consult adviser well in advance of registration. This course is required for all students in the research or project program and it may be repeated with permission.

EXSC 572 - Thesis Seminar (3 credits)

This course utilizes selected research techniques to address a specific professional or academic problem. It includes preparation and presentation of a formal report. Students must consult their adviser well in advance of registration. This course is required for all students in the research or project program and it may be repeated with permission.

EXSC 574 - Research Laboratory (1 credit)

The preparation of the research proposal including the development of the purpose and design of the proposed research problem or thesis is the focus. This course must be repeated until "satisfactory" grade is earned.

EXSC 577 - IS: (3 credits)

Under the auspices of a qualified member of the faculty, the student pursues a pattern of readings, study, and research related to professional knowledge and understanding in health or physical education. Topics should be established prior to enrollment.

EXSC 586 - Field Experience and Internship (1 - 6 credits)

This course is designed to provide the student with practical experience with public or private organization in some related aspect of physical education and/or sports medicine. Students will coordinate their course work acquired at East Stroudsburg University with specific field experience. This program will be supervised by a member of the Exercise Science Department.

EXSC 591 - Advanced 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.

EXSC 592 - Advanced Principles of Performance Enhancement for Performance Coaching (3 credits)

This course is designed to provide the performance coach with advanced 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.

EXSC 593 - Advanced Therapeutic and Physiological Foundations for the Coach (3 credits)

This course is designed to reinforce advanced anatomical and physiological principles related to athletic performance. The focus of this class will include the following: 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.

EXSC 594 - Advanced Seminar in Sport Performance Coaching (3 credits)

This course is designed to explore current advanced 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 skills, 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 sport performance coaching.

EXSC 595 - Advance 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.

EXSC 599T - Exercise Science Graduate Transfer (1 - 6 credits)

This course is designed to provide the student with practical experience with public or private organization in some related aspect of physical education and/or sports medicine. Students will coordinate their course work acquired at East Stroudsburg University with specific field experience. This program will be supervised by a member of the Exercise Science Department.

General Science

General Science Faculty

Geography

Dr. Shixiong Hu, Ph.D., Graduate Program Coordinator, (shu@esu.edu)

Biological Sciences

Dr. Terry Master, Ph.D., Chair, (TMaster@esu.edu)

Chemistry

Dr. Mike Doherty, Ph.D., Chair, (derb@esu.edu)

Physics

Dr. Robert Cohen, Ph.D., Chair, (robert.cohen@esu.edu)

General Science M.S.

Purpose of Degree

The Master of Science in General Science degree program (Application of GIS & RS concentration) will provide a unique opportunity for students to combine Geotechnology, the environmental sciences and other related fields in the context of multidisciplinary study. It will also train the students with professional skills they need in career development, such as environmental communication, written communication, project management, and leadership.

The students should expect to learn the latest Geotechnology (GIS, RS and GPA) and how to apply this technology to the environment-related fields and careers. Students in this program will gain hands-on skills via field data collection, laboratory analysis, environmental modeling, and internship experiences for future careers.

Job opportunities are growing and diversifying as geospatial technologies prove their value in areas such as environmental science. The degree will meet the increasing demands of geotechnology in related governmental agencies, the private sectors and local, regional and national NGOs.

National Affiliation

The M.S. in General Science - Application of GIS/RS in Environmental Science has received national affiliation as a Professional Science Master's (PSM) degree.

PROGRAM OF STUDY

30 credits --Thesis Program

34 credits — Non-thesis Program

36 credits — Concentration in Application of Geographic Information System/Remote Sensing (GIS/RS) in Environmental Science

Thesis Option — 30 Semester Hours

Required

GSCI 570	Introduction to Research	3
GSCI 572	Thesis I	3
	Major Field and Related Electives	24

Non-Thesis Option — 34 Semester Hours

Required

GSCI 570	Introduction to Research	3
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GSCI 571	Independent Research	1 - 6
	Major Field and Related Electives	29-30

Concentration in Application of Geographic Information Systems/Remote Sensing (GIS/RS) in Environmental Science – 36 Semester Hours

A. Physical and Environmental Science (9 - 12 Semester Hours):

Two from the following courses:

BIOL 528	Biogeography	3
BIOL 543	Stream Ecology	3
BIOL 563	Conservation Biology	4
BIOM 502	Marine Evolutionary Ecology	3
BIOM 560	Marine Ecology	3
BIOM 565	Management of Wetland Wildlife	3
BIOM 583	Wetland Ecology	3
GEOG 522	Watershed Hydrology	3
GSCI 543	Environmental Quality	4
GSCI 549	Environmental Science	3

One or two free electives within Physical and Environmental Sciences

B. Geo-Technology (9 Semester Hours):

GEOG 502	Applied Geographic Information Science (GIS)	3
GEOG 503	Advanced Geographic Information Science (GIS)	3
GEOG 511	Introduction to Remote Sensing	3

C. Professional Skills (9 Semester Hours)

Oral and Written Communication skill course

ENGL 515	Computers And Writing	3
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One from the following Leadership and Team Building skill courses

POLS 501	Public Administration: Theory, Scope and Methods	3
POLS 537	Problems in Public Administration	3
POLS 566	Budgeting & Finance	3
POLS 567	Public Personnel Administration	3
MGT 502	Organizational Strategy	3
MGT 503	Organizational Leadership	3

Or

Other approved electives

D. Internship (6 - 9 Semester Hours)

One or more of the following:

BIOL 586	Field Experience and Internship	1 - 12
BIOM 569	Field Methods in Oceanography	3
	Or	
BIOM 582	Field Studies in Oceanography	3

Additional Requirements:**Admission Requirements:**

- B.A or B.S degree in environmental studies, geography, GIS, earth science, marine science, environmental chemistry, recreation and leisure, and any other environment-related major.
- Test of English as a Foreign Language (TOEFL) or International English Language Testing Systems (IELTS) scores are required for all international students unless their undergraduate degree is from an English language institution. (It must be documented that English is the only language of instruction in the institution.) The required scores on the TOEFL are 560 (paper-format test), 220 (computer-format test) or 83 (internet based test).

Completion Requirements:

Successful completion of GRE (i.e. 450 for verbal, 650 for quantitative, and 4 for writing)

GSCI - General Science**GSCI 500 - ST: (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.

GSCI 501 - Laboratory and Classroom Techniques (3 credits)

This course is designed toward the practical aspects of effective science instruction. It deals with the means and devices employed in the instructional process. Simulated classroom situations are developed and prepared by the student representative of imaginative science teaching.

Distribution: Advanced.

GSCI 502 - Contemporary Topics in Science (3 credits)

This course deals with the nature and theoretical basis of recent noteworthy advances in science. Interdisciplinary in design, the course draws its content from the various disciplines of the natural sciences. Emphasis is placed on topics being reported on in professional journals in advance of their textbook presentations.

Distribution: Advanced.

GSCI 504 - 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 evaluation, compact stars and black holes, galactic and extragalactic astrophysics, and cosmology. Prerequisites: PHYS 121, PHYS 361, and MATH 141.

Distribution: Advanced.

GSCI 512 - Contemporary Topics in Biochemistry (3 credits)

This course will elaborate on the chemical principles fundamental to understanding biochemical processes and their regulation. Topics covered may include enzyme mechanisms and kinetics, molecular aspects of signal transduction, organization and maintenance of the

genome and regulation of gene expression and recombinant DNA techniques. Reading of current journal articles, class discussions, and oral presentations will be integral components of this course. As a contemporary topics course, students may take this course during a different semester for an additional three credits. Prerequisite: Students should have had a previous course in biochemistry, such as CHEM 315 or 317.

Distribution: Advanced.

GSCI 515 - Computational Physics (3 credits)

This course will elaborate on the chemical principles fundamental to understanding biochemical processes and their regulation. Topics covered may include enzyme mechanisms and kinetics, molecular aspects of signal transduction, organization and maintenance of the genome and regulation of gene expression and recombinant DNA techniques. Reading of current journal articles, class discussions, and oral presentations will be integral components of this course. As a contemporary topics course, students may take this course during a different semester for an additional three credits. Prerequisite: Students should have had a previous course in biochemistry, such as CHEM 315 or 317.

Distribution: Advanced.

GSCI 520 - The Development of Modern Physical Science (3 credits)

This course examines the past works and philosophical thought of noted physical scientists. Emphasis is placed on the nature of scientific discovery and the processes of science.

Distribution: Advanced.

GSCI 521 - Statistical Physics (3 credits)

Large-scale thermodynamic systems are studied by taking averages over numerous important parameters pertinent to statistically treatable systems. Topics include: characteristic features of macroscopic systems, statistical description of systems of particles, microscopic theory and macroscopic measurements, general thermodynamic interaction, elementary kinetic theory of transport processes.

Distribution: Advanced.

GSCI 522 - Thermal Physics (3 credits)

This course deals with heat and thermodynamics and application to special systems; kinetic theory of gases and statistical mechanics; fluctuation and transport processes.

Distribution: Advanced.

GSCI 523 - Advanced Electronics (4 credits)

This course deals with heat and thermodynamics and application to special systems; kinetic theory of gases and statistical mechanics; fluctuation and transport processes.

Distribution: Advanced.

GSCI 524 - Physical Measurement (3 credits)

This course is designed for those in industry and for students whose responsibilities include or will include measurement (inspection, design, etc.) and for in-service teachers whose work will be enhanced by greater insight into these areas which are included in the syllabus.

Distribution: Advanced.

GSCI 525 - Electromagnetic Theory (4 credits)

An application of Maxwell's equations to problems in electrostatics and electrodynamics, including boundary value problems with dielectrics and conductors is presented.

Distribution: Advanced.

GSCI 526 - Electromagnetic Theory II (4 credits)

Students study the propagation of electromagnetic waves, wave guides, antenna theory, and physical optics.

Distribution: Advanced.

GSCI 528 - Theoretical Physics (3 credits)

Students study the propagation of electromagnetic waves, wave guides, antenna theory, and physical optics.

Distribution: Advanced.

GSCI 530 - Energy Resources (3 credits)

This course develops the history of present energy dependence of the United States and some foreign countries. It will also develop the underlying physics concepts. A number of future scenarios are investigated numerically and carefully. Use is made of the WAES report and the ECOMSETS computer projections.

Distribution: Advanced.

GSCI 531 - Organic Chemistry (3 credits)

This course deals with the theoretical and practical aspects of mechanisms and stereochemistry as applied to the reactions and syntheses of organic compounds.

Distribution: Advanced.

GSCI 533 - Physical Organic Chemistry (3 credits)

This course is a survey of physical organic chemistry including reaction mechanisms, structure reactivity correlations, and organic photochemistry. Laboratory experiments will stress the use of modern instrumental techniques in the elucidation of structures and mechanisms.

Distribution: Advanced.

GSCI 536 - 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. Graduate students will be required to complete a paper in addition to other assignments.

Distribution: Advanced.

GSCI 541 - 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.

Distribution: Advanced.

GSCI 542 - Inorganic Chemistry (3 credits)

Structural and bonding principles, type of reactions, reaction mechanisms and their chemical interpretation will be introduced. The descriptive chemistry of selected elements and their inorganic compounds will be discussed.

Distribution: Advanced.

GSCI 543 - Environmental Quality (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, and solid waste.

Distribution: Advanced.

GSCI 546 - Seminar: Curricular Trends in Science (3 credits)

This course is a study of the current effort in science curriculum design. Major curricular projects in the various sciences are explored in terms of philosophy, objectives, and content selection. Research and pertinent periodical literature in the curricular aspects of instruction in the sciences are examined.

Distribution: Advanced.

GSCI 547 - Workshop in Science Teaching (1 credit)

This course is directed toward the practical aspects of effective science instruction, providing for firsthand participation in real or simulated teaching situation. The course is characterized by an updating of the student's background in specific areas of science teaching and the development of the skills, theory, and techniques necessary to implement recent curricular developments.

Distribution: Advanced.

GSCI 548 - Teaching Science for Involvement (3 credits)

This is an activity-oriented course aimed toward the development of competence and confidence in the science underlying practical applications. A major concern is the development of science literacy through group interaction and experience with practical equipment. The course is designed for those interested in both secondary and elementary school science teaching.

Distribution: Advanced.

GSCI 549 - Environmental Science (3 credits)

This course deals with the chemical and physical aspects of the identification, characterization, and controls of pollutants. Topics include air, water, radiation, pesticides, food additives, solid waste, and toxic substances. Prerequisites: CHEM 124, 126 or equivalent.

Distribution: Advanced.

GSCI 551 - Selected Topics: Chemistry (3 credits)

This course deals with the chemical and physical aspects of the identification, characterization, and controls of pollutants. Topics include air, water, radiation, pesticides, food additives, solid waste, and toxic substances. Prerequisites: CHEM 124, 126 or equivalent.

Distribution: Advanced.

GSCI 552 - Selected Topics: Physics (3 credits)

This course deals with the chemical and physical aspects of the identification, characterization, and controls of pollutants. Topics include air, water, radiation, pesticides, food additives, solid waste, and toxic substances. Prerequisites: CHEM 124, 126 or equivalent.

Distribution: Advanced.

GSCI 553 - Selected Top Biology (3 credits)

This course deals with the chemical and physical aspects of the identification, characterization, and controls of pollutants. Topics include air, water, radiation, pesticides, food additives, solid waste, and toxic substances. Prerequisites: CHEM 124, 126 or equivalent.

Distribution: Advanced.

GSCI 554 - Selected Topics: Earth Science (3 credits)

Emphasis is placed upon the development of scientific content and theory. The course work will include coverage of traditional course offerings from within the disciplines most relevant to the contemporary aspects of the science, complemented by a critical view of certain of the discipline's basic tenets.

Distribution: Advanced.

GSCI 555 - Physical Chemistry (3 credits)

This course is a study of selected topics in theoretical chemistry including quantum mechanics, group theory and symmetry, and chemical bonding including molecular orbital theory. The use of computer programs in the illustration of chemical principles will be emphasized. Cross-listed as CHEM 452. Graduate students must complete a research paper or project. Prerequisite: CHEM 353 or permission of instructor.

Distribution: Advanced.

GSCI 561 - 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 potentiometry, plarography, chromatography, conductometry, and spectroscopy.

Distribution: Advanced.

GSCI 565 - Polymer Chemistry (3 credits)

The basic concepts of polymer chemistry are introduced in this course. Topics included will be the mechanics 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.

GSCI 570 - Introduction to Research (3 credits)

This course is an orientation to graduate study and research designed to acquaint the student with the methods and materials of graduate study. It is required of all graduate students in a degree program.

Distribution: Advanced.

GSCI 571 - Independent Research (1 - 6 credits)

This course deals with the utilization of selected research techniques to attack a specific problem. Preparation and presentation of a formal report. It is required of all students in the non-thesis program. Requires prior or concurrent completion of GSCI 570.

Distribution: Advanced.

GSCI 572 - Thesis I (3 credits)

This course focuses on the development of the thesis problem and design of experiment, collecting of data, analysis, and organization of data and writing of the formal thesis report.

Distribution: Advanced.

GSCI 573 - Thesis II (3 credits)

See GSCI 572. This course is concerned with completing the thesis to the satisfaction of the student's advisory committee. GSCI 572 is a pre- or co-requisite.

Distribution: Advanced.

GSCI 577 - IS: (3 credits)

Under the auspices of a qualified member of the faculty of the Graduate School, the student pursues a pattern of readings, study, and research related to professional knowledge and understanding in general science. Topics should be established prior to enrollment. Prerequisite: Permission of the chair of the graduate faculty in general science.

Distribution: Advanced.

GSCI 580 - Radioisotopes (3 credits)

Studies of the origin of nuclear emissions, properties of nuclear radiation will be discussed. Measurements of their properties such as absorption and attenuation coefficients will be made. Skill in the use

of the single and multichannel analyzers will be developed and used in determining nuclear spectra. Reading of current publications in the field will be essential to the essence of this course. An experimental project or paper will be required of all graduate students.

Distribution: Advanced.

GSCI 581 - Quantum Physics (3 credits)

The wave nature of the universe and its probabilistic interpretation are considered. Topics include postulates of Quantum mechanics, the one-dimensional oscillator, the hydrogen atom, the Pauli principle, and atomic spectroscopy.

Distribution: Advanced.

GSCI 591 - Special Problems in Physics (3 credits)

This course introduces the student to detailed and complete treatments in problems which require expertise from several areas.

Distribution: Advanced.

GSCI 593 - Atomic & Nuclear Phys (3 credits)

This course examines the quantum-mechanical basis of atomic and nuclear structure, and studies the phenomena of atomic and nuclear transitions. Topics covered: Nuclear models, nuclear decay, nuclear reactions, elementary particles.

Distribution: Advanced.

GSCI 599T - General Science Graduate Transfer (1 - 6 credits)

This course examines the quantum-mechanical basis of atomic and nuclear structure, and studies the phenomena of atomic and nuclear transitions. Topics covered: Nuclear models, nuclear decay, nuclear reactions, elementary particles.

Health Education

College of Health Sciences

Department of Health Studies

DeNike 250

570-422-3702

www.esu.edu/gradhlth

Health Education Faculty

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Mary Jane O'Merle, M.S., (jomerle@esu.edu)

Health Education M.S.

30 credits (Hybrid Distance Education Format)

Purpose of Degree

The M.S. in Health Education program is designed for students who are interested in health education for a variety of settings including: schools, colleges, hospitals, communities and industry.

No specific undergraduate degree is required. Prospective students with bachelor's degrees in health education, biology, computer science, psychology, nursing, nutrition, sociology, physical education and the allied health area, among others, are encouraged to apply.

Each student's background is evaluated and a plan of study is designed to achieve the student's educational and career goals. Students who have not acquired the necessary competencies at the undergraduate level or completed appropriate field experiences may be required to complete work beyond the minimum requirements.

Mission of the Program

The mission of the department of health is to prepare qualified practitioners in the areas of health education and public health, who will enhance the quality of life through the promotion of health and the elimination of disparities. The department is committed to attaining this mission through teaching, research, and service.

PLAN OF STUDY

The M.S. degree requires 30 credit hours. On a full-time schedule, this program could be completed in three semesters or take up to six years if taken part-time. The courses will be offered in a hybrid distance education format. This is a competency-based program to prepare health educators to possess the skills necessary to carry out health education in multiple settings and within multiple content areas. The program addresses the present research and the latest competencies for health educators developed by the Competencies Update Project (CUP) of the National Commission for Health Education Credentialing, Inc. (NCHEC). The minimum requirements are as follows:

Required courses:

HLTH 515	Determinants of Disease	3
HLTH 538	Health Policy and Administration	3
HLTH 539	Methods in Health Education Workshop	3
HLTH 541	Health and Media Literacy: Challenges and Strategies	3
HLTH 546	Leadership and Advocacy in Health Education and Health Promotion	3
HLTH 555	Health Education Evaluation	3
HLTH 560	Scientific Foundations of Health Behavior	3
HLTH 563	Public Health Measurement Sciences	3
HLTH 570	Introduction to Research	3
HLTH 571	Health Education Research Problem	1 - 3

Additional requirements

- Admission Requirements: Undergraduate GPA of 2.8 or higher.
- Completion Requirements: Oral exam and completion of a special research topic (HLTH 571).

Admissions Standards

All students meeting the current catalog requirements will be eligible for conditional/full admission:

1. A Bachelor's degree from an accredited college or university.
 - a. Candidate must submit official transcripts to the Graduate School.
2. An undergraduate minimum grade point average of 2.50 (4.00 basis) and a 3.00 in the area of specialization during the junior and senior years. Students who do not meet these standards or who have not completed a minimal undergraduate health education curriculum may be required to complete additional qualifying work.

Conditional admission will be granted if the candidate does not meet requirements for full admission. Continuation of graduate study is dependent upon completion of stated deficiencies.

The Graduate faculty for the MS in Health Education are committed to using multiple sources of information to ensure fairness in the admissions process. In conjunction with a Bachelor's degree from an accredited college or university and aforementioned required GPA, for a complete admissions file, students must also submit the following items in order to become a candidate for full admissions status:

1. Submit 3-5 verifiable professional or scholarly references
 - a. References should be able to speak to characteristics important for success in graduate study, including, but not limited to, the following: reasoning, critical thinking, and the ability to communicate effectively. References might also include knowledge about relevant and related professional experiences.
2. Submit a professional resume describing relevant experiences and skills.
3. Submit a personal letter indicating why you are interested in obtaining a MS in Health Education, your professional goals, and why or how you believe this program will assist you in meeting those professional goals.

Graduate assistantships

Graduate assistantships are available through the department. These are awarded based upon merit and achievement to full-time students in the graduate program. Graduate assistantships are also available throughout the university.

Graduate assistants do not teach classes, but engage in experiences related to advanced learning, research and scholarship, or professional service and leadership in the field.

The graduate assistantship is awarded for the first year of full-time study, with the possibility of extension through the first summer (maximum of four semesters of study). Prospective students should apply for a graduate assistantship at the time of original application to the program, using the application form provided by the Graduate School or apply online.

HLTH - Health

HLTH 500 - ST: (3 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.

HLTH 501 - 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.

HLTH 505 - Non-Medical Healing Arts (1 credit)

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 the 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 506 - Analysis of Health Information (1 credit)

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 507 - Trends In Dieting (1 credit)

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 508 - Women's Health Concerns (3 credits)

This course is designed to address unique health concerns of women in today's society. Specific topics such as alcoholism, anorexia nervosa, pre-menstrual syndrome (PMS), domestic violence, child abuse, rape, menopause and many others will be included.

Distribution: Advanced.

HLTH 509 - Skills for Applied Community Health Practice (2 credits)

The purpose of this course is to provide public health education professionals with a broad set of research and communication skills and techniques needed to practice culturally competent public health education, communicate effectively with communities and conduct community based participatory research.

Distribution: Advanced.

HLTH 515 - 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.

HLTH 530 - 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.

HLTH 531 - Instructor Training for Classroom Emergency Care (3 credits)

This course provides educators with the necessary basic skills and knowledge to appropriately respond to emergency situations that might arise within the classroom and other school environment. In addition to technical skill development, the focus of this course is on teacher training skill development. Information and materials are provided to enable educators to implement emergency care content into related health areas. There is also an opportunity to become certified in standard first aid and instructor authorization in CPR.

HLTH 532 - Death And Dying Education (3 credits)

This course is designed to increase awareness and develop appropriate values, attitudes, and behaviors concerning death. Special emphasis will be placed on providing educators with information and materials which will enable them to implement death and dying content into related health areas.

Distribution: Advanced.

HLTH 533 - Alcohol, Drugs and Narcotics Education (3 credits)

This course probes the significance of substance use and abuse in society as a behavioral health problem, with particular attention to the pharmacological, psycho-social, and legal dimensions of substance use and abuse. The course topics also include alternatives to substance use, and existing community resources for prevention and rehabilitation including community organizations, school curriculum, and media resources. The course culminates with an exploration of the principals for evaluating successful community education programs.

Distribution: Advanced.

HLTH 534 - Sex Education In Schools (3 credits)

The development, present status, and trends of sex education in school programs and in the community with reference to social values and attitudes are presented. It includes attention to the development of organized programs, resources, and materials.

Distribution: Advanced.

HLTH 536 - Seminar Health Education (3 credits)

The course is an individual and group study of problems and materials in personal, school, and community health.

Distribution: Advanced.

HLTH 537 - Community Health Practice for Health Educators (3 credits)

The course is a study of the theory and principles of community health practice and the application of those principles to contemporary health organization and problems. Approaches to successful community health practice are examined with the various factors that influence or are influenced by community health education programs.

Distribution: Advanced.

HLTH 538 - Health Policy and Administration (3 credits)

This course is designed to provide the student with a comprehensive background in public health legislation, organization, and

programming. Emphasis is placed on the dynamic nature of public health within the total physical, social, economic and political context.

HLTH 539 - Methods in Health Education Workshop (3 credits)

This course analyzes the development and implementation of health education intervention strategies applicable to a multitude of settings. The students will research, examine and apply "Best Practices" in the design and application of health promotion strategies aimed at individual health improvement.

HLTH 540 - Behavior Modification in Health Education (3 credits)

This course is an overview of the major principles of behavior modification as they relate to health education in both theory and practice. It examines theory in relation to current issues of education in general and health education in particular. Applications of principles are studied in the context of health programs specifically designed as behavior modification programs and in the context of health programs, which contain behavior modification principles but were not designed with these principles in mind.

Distribution: Advanced.

HLTH 541 - Health and Media Literacy: Challenges and Strategies (3 credits)

This course explores and analyzes the relationship between health status, health literacy and the media. The influence of media on content-specific health topics and issues will be explored. Primary emphasis will be placed on developing an informed and critical understanding of the nature of media and its impact on both personal and societal health.

Distribution: Advanced.

HLTH 542 - 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.

HLTH 544 - 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 social health perspective with a primary focus on developing and implementing programs that enhance the health of the elderly.

Distribution: Advanced.

HLTH 546 - Leadership and Advocacy in Health Education and Health Promotion (3 credits)

This course will examine the concepts and theories of leadership, and current leadership challenges faced in the practice environment. The course will explore the research and applications of the theories and concepts that aim to influence, inform and lead change that will result in health improvements in target populations and communities. Content areas will include leadership theory, advocacy skills, coalition building, communication, lobbying, collaboration, team building, ethics, and conflict management/resolution.

Distribution: Advanced.

HLTH 550 - School Health Administration and Curriculum (3 credits)

The purpose of this course is to assist the student in more thoroughly understanding the administration of the school health program and the content, structure, and development of the health education curriculum. Emphasis is placed upon a comparison of the conceptual approach to other approaches for curriculum development.

Distribution: Advanced.

HLTH 551 - Health resources and Service Planning and Management (3 credits)

Students are introduced to the principles, logic, and history of health resource allocation and health services planning, and the fundamentals of health systems management. Each student learns how to use appropriate health data tracing systems, and to apply and evaluate these systems in practical settings.

Distribution: Advanced.

HLTH 552 - Health Budgeting and Fiscal Management (3 credits)

Students will become acquainted with macro- and micro-economic factors influencing the health care industry, and how these factors influence health budgeting and fiscal management of health service organizations. Students learn budget making and the budgetary process in public and private health services; capital development and planning; and the procedures of fiscal management as administrative control.

Distribution: Advanced.

HLTH 553 - Health Ethics Policy & Law (3 credits)

The students learn how professional, ethical, constitutional, legal, and governmental aspects of health influence the administration of health service organizations, the formation of health policy, and the planning of health services.

Distribution: Advanced.

HLTH 555 - Health Education Evaluation (3 credits)

This course is designed to familiarize students with the methods of evaluation used in health education and the implications for student evaluation and program planning. A strong emphasis is placed on the development of various types of instruments of evaluation used in health education. Prerequisite: Statistics

Distribution: Advanced.

HLTH 556 - Qualitative Methods in Research and Evaluation (3 credits)

This course is a review of the use of qualitative methodology in research and evaluation of Health Education. Emphasis of the course is on the use of these methodologies to enhance student understanding of the physical and social dynamics (ecology) which influence Health Education planning and implementation. The course will also include skill development for selected techniques.

Distribution: Advanced.

HLTH 557 - Computers Applications in Health Education (3 credits)

This course provides health education professionals with selected PC-compatible software packages that are being used in a variety of professional settings where community and school-based health education and promotion are being conducted. Particular emphasis will be placed on the application of various health promotion software packages to conduct health risk appraisals, stress assessment and reduction, nutrition assessment and life skills training. In addition, the course will provide an introduction to the

application of spreadsheets and statistical software in assessing program effectiveness of community and school-based health education intervention.

Distribution: Advanced.

HLTH 560 - Scientific Foundations of Health Behavior (3 credits)

This course is designed to familiarize students with the health sciences related to health education and promotion, and to provide experiences in the use of the literature related to the health sciences. The primary focus of the course is on human behavior as it influences health and is influenced by health education and promotion programs.

Distribution: Advanced.

HLTH 561 - Epidemiology (3 credits)

This course is a study of the principles and methods of epidemiological investigations for human health problems. The incidence and prevalence of both infectious and non-infectious health problems are covered. Emphasis of this course is on student application of the principles of epidemiology.

Distribution: Advanced.

HLTH 562 - The Physical Environment and Community Health (3 credits)

This course is a basic study of traditional and evolving public health concerns related to the physical environment including an overview of water, air and sanitation safety and global health concerns. Special emphasis will be placed on environmental health topics central to health services administration and public health practice including an introduction to the built environment and its impact on population health.

Distribution: Advanced.

HLTH 563 - Public Health Measurement Sciences (3 credits)

This purpose of this course is to develop applied statistical skills commonly used in public health measurement science. Students will develop statistical literacy, including the use of SPSS to solve research questions and hypotheses testing commonly found in public health practice and public health administration.

Distribution: Advanced.

HLTH 565 - Occupational Health Education (3 credits)

The course is an application of health education and promotion strategies to the work place. Emphasis is placed in developing student skills for design of programs in occupational settings. An overview of existing programs is included. Students will be expected to apply course material to a specific industrial situation.

Distribution: Advanced.

HLTH 570 - Introduction to Research (3 credits)

This course is an orientation to research in public health practice including health education. The emphasis is on developing and interpreting research projects with particular concern for the implications of design, methods and procedures. Students are expected to demonstrate research skills by developing a research proposal and presenting the proposal in a scholarly manner. This course is an orientation to research in health education. The emphasis is on developing and interpreting research projects with particular concern for the implications of design, methods and procedures. Students are expected to demonstrate research skills by developing a research proposal and presenting the proposal in a scholarly manner.

Distribution: Advanced.

HLTH 571 - Health Education Research Problem (1 - 3 credits)

This experience is designed to acquaint the student with recent methods of health research. Tasks will include the completion of an acceptable research report. Prerequisite: HLTH 570.

Distribution: Advanced.

HLTH 572 - Health Education Thesis (3 credits)

This experience consists of doing research for and writing of a thesis concerning a significant problem in health education. Prerequisite: HLTH 570.

Distribution: Advanced.

HLTH 573 - Global Public Health (3 credits)

This experience consists of doing research for and writing of a thesis concerning a significant problem in health education. Prerequisite: HLTH 570.

Distribution: Advanced.

HLTH 577 - IS: (3 credits)

With the guidance of a member of the graduate faculty 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. Prerequisite: Health Department graduate faculty approval.

Distribution: Advanced.

HLTH 580 - State Level Cardiopulmonary Resuscitation Instructor's Training (1 credit)

This course is designed to train the student in proper techniques and procedures in emergency measures in cardiopulmonary resuscitation. The course is recognized by the American Heart Association, Pennsylvania Affiliate.

Distribution: Advanced.

HLTH 581 - Public Health Seminar (1 credit)

This required course is designed to reinforce student understanding of the ecological factors that contribute to public health. The course will examine public health issues by analyzing the biological, genetic, behavioral (individual), interpersonal/social community, organizational and environmental factors that affect the outcomes of public health cases. The course strengthens student's problem solving skills, the skills to participate in transdisciplinary research and the skills to use research to make good decisions about practice. Prerequisites: HLTH 538, 555, 560, 561, 562, 570.

Distribution: Advanced.

HLTH 586 - Field Experience and Internship (3 - 12 credits)

This course consists of the practical experiences obtained through supervised work in the school or community. The credits and hours of the experience shall be based on the students experience and programmatic needs; however, no more than 3 credits may be applied to health education degree programs.

Distribution: Advanced.

HLTH 599T - Health Graduate Transfer (1 - 6 credits)

This course consists of the practical experiences obtained through supervised work in the school or community. The credits and hours of the experience shall be based on the students experience and programmatic needs; however, no more than 3 credits may be applied to health education degree programs.

History

College of Arts and Sciences

Department of History
Stroud 409
570 422-3286
www.esu.edu/gradhist

History Faculty

Graduate Coordinator:

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Mission Statement of the Department

The mission of the department is to provide a program that is grounded in teaching excellence. Although department faculty are involved in research and publishing, the History Department faculty see teaching and student advising as their primary mission. The department is also committed to an involvement in the life of the Pocono region and in global studies. Internships and study abroad programs allow students the opportunity to engage not only in the immediate Pocono community but also in the broader global community.

Special Resources of the Department

Internships - Interested students may arrange an internship for academic credit with the National Park Service at Gettysburg National Military Park, Morristown National Historical Park, Valley Forge National Historical Park, and Delaware Water Gap National Park. Internships are also available at local historical societies.

History M.A.

30 credits

Purpose of degree:

To develop the analytical, literary, and verbal skills of students and to familiarize them with historical literature. Thesis students will learn to conduct original research and they will learn to organize large amounts of information into presentable form.

Outcome expectations of students and degree completion:

Students will attain a better understanding of history. They will become familiar with historical methodology and literature. They will improve their verbal and written communication skills.

Most of our M.A. graduates teach in the high schools; some have obtained Ph.D.'s and teach on the college level; others work for historical societies, museums, publishing houses, and the National Park Service.

Undergraduate prerequisites required:

A bachelor's degree in history is preferable. Students with fewer than 15 credits in history can be admitted on a conditional basis.

Typical time to finish:

Full-time students can finish in 1 1/2 to 2 years.

PLAN OF STUDY:

Required classes:

HIST 570	Introduction to Research	3
HIST 572	Thesis I	3
HIST 573	Thesis II	3

HIST 570: offered only in the fall semester

Electives:

- 15-21 credits in history.
- Students must elect at least 9 credits in either:
Group A – United States History
Group B – European History.
- At least 3 credits in each of the two remaining groups, including Group C – Area Studies.
- Related areas (other social sciences) are optional – 0-6 credits.

Final graduation requirements

Comprehensive examination, thesis, thesis defense.

History M.Ed.

30 credits – Thesis program

34 credits – Non-thesis program

Undergraduate prerequisites required:

A bachelor's degree in history is preferable. Students with fewer than 15 credits in history can be admitted on a conditional basis.

Typical time to finish:

Full-time students can finish in 1 1/2 to 2 years.

PLAN OF STUDY:

Thesis program – 30 credits

Required classes

HIST 570	Introduction to Research	3
HIST 572	Thesis I	3

Electives:

History	2-18
Related electives	0-6
Professional Education courses	6

Non-thesis program – 34 credits

Required classes

HIST 570	Introduction to Research	3
HIST 571	Independent Research	1 - 3

Electives

History	18-21
Related electives in other social sciences	3-6
Professional Education courses	6

Final graduation requirements***Thesis Program:***

Comprehensive examination, thesis, thesis defense

Non-Thesis Program:

Comprehensive examination, completion of Research Problem

Admissions requirements and deadlines

Graduate Studies and deadlines; in addition, applicants must have undergraduate major GPA of 3.0 and overall GPA of 2.5. Candidates should also submit a resume or vita.

Graduate Assistantships

Graduate assistantships are available through the department. These are awarded based upon merit and achievement to full-time students in the graduate program. Graduate assistants do not teach classes, but complete projects and tasks assigned by professors.

The graduate assistantship is awarded for the first year of full-time study, with the possibility of extension through the first summer. Prospective students should apply for a graduate assistantship at the time of original application to the program, using the application form provided by the Graduate School or apply online.

For more information, contact Professor Martin Wilson at 570-422-3991 or by e-mail at mwilson@esu.edu.

HIST - History**HIST 500 - ST: (3 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.

HIST 501 - Colonial America (3 credits)

This course is a study of the founding and growth of English, Spanish, and Dutch colonies in North America. Special attention will be given to motives behind European expansion and the development of institutions and trends, which later contributed to the formation of the new nation.

Distribution: Advanced.

HIST 502 - Era of Jacksonian Democracy (3 credits)

This course is an intensive study of the age of Jackson, 1818-1848: expansion, sectionalism, social and political reform; emphasis on analysis of original documents.

Distribution: Advanced.

HIST 504 - Normalcy and New Deal (3 credits)

This course is a study in depth of American domestic trends during the contrasting "Prosperity" and "Depression" decades with special attention to the changing socioeconomic scene. The rich primary source materials available for this period will be used in individual projects.

Distribution: Advanced.

HIST 505 - Rise of the New Nation (3 credits)

This course is a study of the War of Independence, and the political, social, and economic foundations of the new nation.

Distribution: Advanced.

HIST 507 - History of American Ideas (3 credits)

This course consists of readings about selected ideas that motivated American thought and action from the colonial period to the present day. Changes in meaning of older American ideas will be examined.

Distribution: Advanced.

HIST 508 - Seminar: Civil War and Reconstruction (3 credits)

This course consists of research in selected topics related to the coming of the Civil War, military and diplomatic phases of the Civil War, and presidential vs. congressional reconstruction.

Distribution: Advanced.

HIST 509 - US Constitutional Hist & Law (3 credits)

This course investigates distinguishing aspects of the American constitutional system; judicial processes and decisions of major cases of the Marshall and Taney courts; interpretation of the fourteenth and other amendments; and evaluation of the contemporary court.

Distribution: Advanced.

HIST 511 - Seminar: Pennsylvania History (3 credits)

This course is an intensive study of Pennsylvania as a colony and a state; its economy, politics, society, and culture; emphasis is on research and analysis.

Distribution: Advanced.

HIST 517 - French Revolution & Napoleon (3 credits)

This course will cover the "ancient Regime" and the forces that led to its destruction, the revolution's impact upon Europe, and the change effected by Napoleon in France and Europe.

Distribution: Advanced.

HIST 519 - Nationalism and Democracy in 19th-Century Europe (3 credits)

This course analyzes the impact of the liberal and nationalist movements on the political, economic, and social institutions of 19th-century Europe.

Distribution: Advanced.

HIST 520 - Area Studies I (3 credits)

(A specific area will be announced). This course examines selected problems of historical and political development in major world areas. Emphasis is placed on political institutions -- their background, development, and significance.

Distribution: Advanced.

HIST 521 - Area Studies II (3 credits)

Same as Area Studies I.

Distribution: Advanced.

HIST 522 - Foreign Travel and Study (6 credits)

This course is a trip abroad. Study at foreign colleges and universities will focus on the history and government of the countries visited, and their economic growth and integration. Emphasis is placed on formal and informal discussion and analysis of contemporary indigenous problems.

Distribution: Advanced.

HIST 527 - US Since 1940 (3 credits)

This course examines political, economic, and social changes in the United States from 1940 to the present. World War II, the Cold War, the Vietnam War, and cultural changes of the 1960s and 70s are the foci of this course.

Distribution: Advanced.

HIST 535 - Britain in the Age of Discovery and Revolution 1485-1715 (3 credits)

The course will present a detailed study of the political, diplomatic, economic, and social aspects of British society between 1471 and 1714. Particular emphasis will be placed on the monarchy, Parliament, the Revolutions of the 17th century, and the emergence of Britain as a Great Power.

Distribution: Advanced.

HIST 537 - Europe in Crisis 1914-1939 (3 credits)

This course is a study of World War I, the problems related to war-guilt and responsibility, peace making in Paris, the League of Nations era, and the rise of authoritarian ideologies and governments -- Bolshevism, Fascism, and Nazism.

Distribution: Advanced.

HIST 539 - Europe in Crisis 1939-1975 (3 credits)

This course is a study of the origins and conduct of World War II, division of Europe by the Iron Curtain, Cold War politics, dissolution of the European colonial empires, Common Market and unification of Europe, break-up of the Soviet orbit, and the era of detente.

Distribution: Advanced.

HIST 541 - 20th Century Imperialism (3 credits)

A study of the "New Imperialism" of the late-19th and early-20th century and its decline after World War II. The course will also focus on the military, social, and economic nature of imperialism and the emergence of a neo-imperialism since 1945.

Distribution: Advanced.

HIST 545 - China in Revolution (3 credits)

After a brief examination of traditional China, the course deals with the Revolutionary upheaval that has followed the overthrow of the Empire in 1912. The development of the Kuomintang movement, the rise of the Chinese Communists, and the struggle for power. Particular emphasis is placed on the People's Republic since 1949 and its problems, failures, and accomplishments.

Distribution: Advanced.

HIST 570 - Introduction to Research (3 credits)

This course is about renowned historians, research techniques in history, training in the critical handling of primary and secondary resource materials, and formal presentation of research. It is required of all graduate students in history degree programs.

Distribution: Advanced.

HIST 571 - Independent Research (1 - 3 credits)

This course utilizes selected historical research techniques to attack a specific problem. A formal report is prepared and presented. It is required for all students in the non-thesis program.

Distribution: Advanced.

HIST 572 - Thesis I (3 credits)

This course consists of development of a thesis topic, gathering of information, organization of material, evaluation of data, and writing of a formal thesis report.

Distribution: Advanced.

HIST 573 - Thesis II (3 credits)

See HIST 572. This course consists of completion of the thesis. Emphasis on originality, depth of research, and contribution to knowledge.

Distribution: Advanced.

HIST 577 - 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 meet a specific need. A student wishing to take independent study should discuss the plan first with his 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 faculty. (Requires permission of the chair of the graduate faculty in order to be included for credit in the degree program.)

Distribution: Advanced.

HIST 586 - Field Experience and Internship (3 - 6 credits)

This internship will give students the opportunity to practically apply what they are learning in the classroom. The course is designed to promote professional development, to acquaint students with career opportunities outside of academia and to provide a challenging and valuable learning experience.

Distribution: Advanced.

HIST 599T - History Graduate Transfer (1 - 6 credits)

Independent study is designed to provide in-depth coverage of subject matter not covered in courses offered by the department and must meet a specific need. A student wishing to take independent study should discuss the plan first with his 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 faculty. (Requires permission of the chair of the graduate faculty in order to be included for credit in the degree program.)

Information Security

College of Arts and Sciences

Department of Computer Science

Science & Technology 318

570-422-3666

www.esu.edu/cpsc

Information Security Faculty

Graduate Coordinator:

Michael Jochen, Ph.D., (mjochen@esu.edu)

Professors:

Mary DeVito, Ph.D., (mdevito@esu.edu)

Christine Hofmesiter, Ph.D., (chofmeister@esu.edu)

Haklin Kimm, Ph.D., (hkimm@esu.edu)

Robert Marmelstein, Ph.D., Chair, (rmarmelstein@esu.edu)

N. Paul Schembari, Ph.D., (schembari@esu.edu)

Associate Professors:

Dongsheng Che, Ph.D., (dche@esu.edu)

Eun-Joo Lee, Ph.D., (elee@esu.edu)

Assistant Professors:

James Emert, M.A., (jemert@esu.edu)

Michael Jochen, Ph.D., (mjochen@esu.edu)

Information Security, M.S.

30 credits – Thesis track

Purpose of Degree

The purpose of the online Master of Science in Information Security program is to prepare future leaders in information security with in-depth knowledge in one or more specialty areas in information security. Graduate students who successfully complete the Master of Science in Information Security will earn up to six Federal certifications, as defined by the US Committee on National Security Systems. The curriculum is aligned with these certifications as follows:

- NSTISSI 4011: National Training Standard for Information Systems Security Professionals
- CNSSI 4012: National Information Assurance Training Standard for Senior Systems Managers
- CNSSI 4013: National Information Assurance Training Standard for System Administrators
- CNSSI 4014: Information Assurance Training Standard for Information Systems Security Officers
- NSTISSI 4015: National Training Standard for Systems Certifiers
- CNSSI 4016: National Information Assurance Training Standard for Risk Analysts

Student Learning Outcomes

Upon successful completion of the program, graduates will:

- Understand the key principles of information assurance and the nature of the threats and vulnerabilities relating to information systems
- Conduct risk analysis as appropriate in order to develop mitigation plans and determine system accreditation for approval to operate
- Manage system configuration, patching, and reporting in a manner that protects information systems resources, services, and assets
- Develop sound policy and user education programs that mitigate threats to information systems and enable prompt response to adverse incidents
- Understand and adhere to the standards and ethics of conduct in the information systems profession
- Comprehend the impact of their professional actions upon themselves and society while working diligently to achieve positive outcomes
- Be proficient in performing research in the information security discipline, while reading, analyzing, and writing scholarly works within the standards of the computer science and information security disciplines

- Be able to communicate effectively, and in a variety of modes, as required in the information security professional setting identify and analyze issues critical to information security
- Challenge and evaluate knowledge within the information security professional setting
- Synthesize and integrate knowledge within the information security profession
- Formulate new ideas pertaining to information security and information assurance

Special resources of the department

The Computer Science Department has modern, well-equipped laboratories and an active externally funded research program.

Admission Requirements:

- Requirements for admission into the program include a Bachelor's degree in a technical field, such as Information Technology, Information Systems, or Computer Science,
- or related field of study, along with all application and requirements established by the office of Graduate Studies.
- As an alternative, a Bachelor's degree in any field, and three to five years of professional experience in Information Technology with a written statement describing the work experiences, approved by the Information Security Graduate Program Coordinator, along with all application
- and admission requirements established by the office of Graduate Studies.
- Specific courses may be required by the Information Security Graduate Program Coordinator for student remediation.

Typical time to finish

Students will typically proceed through the program in a cohort, taking two classes per semester, including summers. This allows the student to finish in less than two years.

ILLUSTRATIVE PLAN OF STUDY*First Year Fall:*

CPIS 511	Information Systems and Information Security	3
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First Year Spring:

CPIS 515	Information Security for System Certifiers	3
CPIS 516	Information Security Risk Analysis	3

First Year Summer:

CPIS 512	Information Security for Senior System Managers	3
CPIS 570	Introduction to Research in Information Security	3

Second Year Fall:

CPIS 513	Information Security for System Administrators	3
CPIS 574	Information Security Research I	3

Second Year Spring:

CPIS 514	Information Security for Information Systems Security Officers	3
CPIS 575	Information Security Research II	3

*Second Year Summer:***Graduate Assistantships**

Graduate Assistantships (GAs) are available through the department for students who pursue full-time graduate study. Prospective students should follow the application process established by the office of Graduate Studies.

CPIS - Information Security**CPIS 511 - Information Systems and Information Security (3 credits)**

This online course will introduce the student to information systems and information security, especially with regard to the management of information systems. Topics include information and communication system basics, information assurance, national information security policies, operational security, and security planning.

CPIS 512 - Information Security for Senior System Managers (3 credits)

This online course will allow students to delve more deeply into the concepts of information system security management, especially with regard to Senior System Managers. Topics include system approval to operate, system accreditation, compliance verification, security control management, acquisition management, roles and responsibilities of security management officials, criticality and sensitivity of systems, resource allocation, and assessment of network security.

CPIS 513 - Information Security for System Administrators (3 credits)

This online course will allow students to delve more deeply into the concepts of information system security management, especially with regard to System Administrators. Topics include secure use of information systems, incidents and incident response, system configuration, system anomalies and system integrity, and security administration.

CPIS 514 - Information Security for Information Systems Security Officers (3 credits)

This online course will allow students to delve more deeply into the concepts of information system security management, especially with regard to Information Systems Security Officers. Topics include certification and accreditation and its support by the ISSO, security policy and the verification of policy, and security status reporting.

CPIS 515 - Information Security for System Certifiers (3 credits)

This online course will give students a deep understanding of system certification and accreditation, and allow students to act as system certifiers. Topics include system certification and accreditation, prerequisites to certification, system registration, life-cycle management, system evaluation, and certification reporting.

CPIS 516 - Information Security Risk Analysis (3 credits)

This online course will provide students with an understanding of risk analysis for information security professionals. Topics include life cycle activities, identification and implementation of controls, certification and accreditation, testing and evaluation, threat and

adversary analysis, mission and asset assessment, vulnerabilities analysis, and training and awareness.

CPIS 570 - Introduction to Research in Information Security (3 credits)

This online course will introduce the student to the professional open literature as well as other sources in Information Security. The student will investigate multiple areas or problems, and assimilate, integrate, and present the findings in multiple scholarly online seminars.

CPIS 574 - Information Security Research I (3 credits)

This online course will provide practical experience in applying information security research techniques and methodologies from a number of different areas over an extended period of time. The student will analyze, design, evaluate, and apply new research findings or technological advances, develop a final product, and present the work in a formal oral presentation.

CPIS 575 - Information Security Research II (3 credits)

This online course is a continuation of CPIS 574 and will provide practical experience in applying information security research techniques and methodologies from a number of different areas over an extended period of time. The student will analyze, design, evaluate, and apply new research findings or technological advances, develop a final product, and present the work in a formal oral presentation.

CPIS 599T - Information Security Graduate Transfer (1 - 6 credits)

This online course is a continuation of CPIS 574 and will provide practical experience in applying information security research techniques and methodologies from a number of different areas over an extended period of time. The student will analyze, design, evaluate, and apply new research findings or technological advances, develop a final product, and present the work in a formal oral presentation.

Instructional Technology

College of Education

Department of Digital Media Technologies

Rosenkrans Hall-East

570-422-3621

www.esu.edu/gradit

Mission of Instructional Technology

The Instructional Technology portfolio and internship based programs prepare Instructional Technology leaders to participate in social, cultural and economic transformation. The learning environment fosters the preparation of practitioners who utilize critical reflection, research, and collaboration to produce and implement innovative technologies to address the evolving needs of learners in a global society.

Special Resources of the Department

The Instructional Technology master's program is housed with the Digital Media Technologies Department, which uses professional design software and media technologies. Students complete an internship in their desired area of expertise. Internships include local schools, corporate environments and higher education institutions. Through learning experiences, students can take face-to-face and distance education classes, providing a multi-delivery environment for greater learning flexibility.

Many courses are offered in the traditional face-to-face method and through distance education. If a course is designated DE+ the course is offered both traditionally and online.

Instructional Technology Faculty

Graduate Coordinator:

Carol M. Walker, Ph.D., (cwalker@esu.edu)

Associate Professors:

Yi-hui Huang Ph.D., (yhuang@esu.edu)

Assistant Professors:

Richard Otto Ph.D., (rotto@esu.edu)

Carol M. Walker, Ph.D., (cwalker@esu.edu)

Adrian Wehmeyer, M.F.A., (awehmeyer@esu.edu)

Instructional Technology M.Ed.

33 credits

Master of Education (M.Ed.) in Instructional Technology is an East Stroudsburg University joint cooperative degree with Kutztown University, 33 credits.

Purpose of Program

The Master of Education (M.Ed.) in Instructional Technology program is designed to prepare instructional technologists who are catalysts for integrating technology into various learning environments. The learning environments included but are not limited to schools, higher education, distance and hybrid learning, business and/or corporate training situations. Individuals may then serve in one or more of the following roles: e-learning specialist, distance educators, learning technologies, technology coordinators, intermediate unit technology administrators, classroom teachers, educators using technology in edu-business or corporate trainers.

Outcome Expectations

Students completing the Master of Education (M.Ed.) program in Instructional Technology will be proficient in the selection and implementation of instructional technologies into the specific learning environments of focus.

PROGRAM OF STUDY

Maximum time to finish

Four years Required Foundation Courses - 6 credits

DMET 520	Selection and Application of Learning Technologies	3
ELED 570	Introduction to Research	3

Required Major Courses - 12 credits

DMET 526	Organization and Administration of Instructional Technology	3
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And three courses from the following or adviser-approved related coursework:

PSED 516	Learner & the Learning Process	3
DMET 501	Current Applications	1
DMET 510	Online Tools and Strategies for Learner-Centered Instruction	3

DMET 532	Digital Photography and Still Images	3
DMET 536	DE: Internet For Educators	3
DMET 538	Desktop and Digital Publishing for Learning	3
DMET 540	Multimedia I	3
DMET 542	Multimedia II	3
DMET 543	Multimedia III	3
DMET 545	Interactive Media	3

Required Capstone options - 9 credits

Option A

DMET 580	Research Project I: Action Research Design	3
DMET 581	Research Project II: Action Research Implementation	3
DMET 585	Internship	3

Option B

DMET 585	Internship	3
DMET 589	Thesis	3 - 6

Electives - 6 credits

DMET courses or other department courses discussed with adviser.

Final Graduation Requirement

Submission of comprehensive portfolio and internship.

Instructional Technology M.Ed. with Pennsylvania Certification in Instructional Technology

33 credits

Master of Education (M.Ed.) in Instructional Technology and certification program is a joint cooperative degree with Kutztown University, 33 credits.

Purpose of Program

The Master of Education (M.Ed.) in Instructional Technology with Instructional Technology Specialist certification program is designed to prepare instructional technologists who are catalysts for integrating technology into schools to meet diverse learning needs. The Instructional Technology Specialist Certification is a non-instructional certification permitting the holder to function in a support role for K-12 classroom and school activities. Individuals may then serve in one or more of the following roles: district-wide technology coordinators, intermediate unit technology administrators, and/or classroom teachers within the state of Pennsylvania. Most course work can be completed face-to-face or through distance education.

Outcome Expectations

Students completing the Master of Education (M.Ed.) program with Instructional Technology Specialist certification will be proficient in the selection and implementation of instructional technologies for diverse learning needs within the Pennsylvania State Public School teaching environment.

National Accreditations

National Council for the Accreditation of Teacher Education and International Society for Teachers in Education (ISTE).

PROGRAM OF STUDY**Maximum time to finish:**

Four years

Required Foundation Courses - 6 credits

DMET 520	Selection and Application of Learning Technologies	3
ELED 570	Introduction to Research	3

Required Major Courses = 12 credits

DMET 526	Organization and Administration of Instructional Technology	3
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And three courses from the following or adviser-approved related coursework:

PSED 516	Learner & the Learning Process	3
DMET 501	Current Applications	1
DMET 510	Online Tools and Strategies for Learner-Centered Instruction	3
DMET 532	Digital Photography and Still Images	3
DMET 534	Video Production	3
DMET 536	DE: Internet For Educators	3
DMET 538	Desktop and Digital Publishing for Learning	3
DMET 540	Multimedia I	3
DMET 545	Interactive Media	3

*Required Capstone Options - 9 credits**Electives - 6 credits*

DMET courses or other department courses discussed with adviser.

Final Graduation Requirement

Submission of comprehensive portfolio and internship.

Instructional Technology M.Ed. with Concentration in Technology Integration

33 credits

Purpose of Program

The purpose of the Master of Education (M.Ed.) in Instructional Technology with a concentration in Technology Integration is to address the classroom teacher that desires to integrate technology in order to meet diverse learning needs with creativity and innovation. Using instructional design principles in multimedia, with an emphasis in assessment, classroom instructors across a range of academic disciplines expand pedagogy and skills that drive effective integration.

Outcome Expectations

Students completing the Master of Education (M.Ed.) program with a concentration in Technology Integration will be proficient in the selection and implementation of instructional technologies for student learning within the classroom.

PROGRAM OF STUDY**Maximum time to finish:**

Four years

Required Foundation Courses - 6 credits

DMET 520	Selection and Application of Learning Technologies	3
DMET 530	Instructional Design for Effective Learning	3

Required Major Courses - 18 credits

DMET 526	Organization and Administration of Instructional Technology	3
DMET 540	Multimedia I	3
DMET 542	Multimedia II	3
DMET 580	Research Project I: Action Research Design	3
DMET 585	Internship	3

And three credits from the following:

DMET 510	Online Tools and Strategies for Learner-Centered Instruction	3
DMET 532	Digital Photography and Still Images	3
DMET 534	Video Production	3
DMET 536	DE: Internet For Educators	3
DMET 538	Desktop and Digital Publishing for Learning	3
DMET 545	Interactive Media	3

Option A

DMET 581	Research Project II: Action Research Implementation	3
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Option B

DMET 589	Thesis	3 - 6
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Electives 6 credits

MCOM courses or other department courses discussed with adviser.

Pennsylvania Instructional Technology Specialist Certification

Compliance with Pennsylvania Department of Education Instructional Technology Specialist Certification Standards and/or 24 credits.

Purpose of Certification

The instructional technology specialist certification is a non-instructional certification permitting the holder to function in a support role for K-12 classroom and school activities.

PROGRAM OF STUDY*Required Foundation Courses 6 credits*

DMET 520	Selection and Application of Learning Technologies	3
ELED 570	Introduction to Research	3

Required Major Courses 6 credits

DMET 526	Organization and Administration of Instructional Technology	3
DMET 585	Internship	3

Electives 12 credits

DMET 501	Current Applications	1
DMET 510	Online Tools and Strategies for Learner-Centered Instruction	3
DMET 532	Digital Photography and Still Images	3
DMET 534	Video Production	3
DMET 536	DE: Internet For Educators	3
DMET 538	Desktop and Digital Publishing for Learning	3
DMET 540	Multimedia I	3
DMET 545	Interactive Media	3
PSED 516	Learner & the Learning Process	3

Admissions Requirements

For admission to the Master of Education (M.Ed.) in Instructional Technology program, applicants will need to meet with the graduate coordinator to schedule an interview or portfolio review. For admission to the certification program, applicants should contact the graduate coordinator for additional admission information to comply with Pennsylvania Department of Education requirements.

Graduate Assistantships

Graduate assistantships are available through the department. These are awarded based upon merit and achievement to full-time students in the graduate program. Graduate assistants do not teach classes, but complete projects and tasks assigned by professors. The graduate assistantship is awarded for the first year of full-time study, with the possibility of extension through the first summer.

Prospective students should apply for a graduate assistantship at the time of original application to the program, using the application form online. The graduate assistant is expected to actively participate and demonstrate leadership by showing initiative in support of the graduate activities of the department. The graduate assistant is expected to demonstrate willingness to learn, to apply his or her skills in the design of media, and to actively participate in production activities. This is a hands-on assistantship. We expect and encourage the graduate assistant to acquire new skills, to seek mentoring from faculty and staff of the department and to demonstrate skill enhancement. Most course work can be completed face-to-face or through distance education.

Applicants are encouraged to check with Dr. Beth Sockman graduate coordinator, for a current description at 570-422-3621 or at bsockman@esu.edu.

DMET- Digital Media Technologies**DMET 501 - Current Applications (1 credit)**

This course will provide an introduction to future and current issues and topics in the application of media communication and technology. To highlight communication issues, students will be exposed whenever possible to varied presentation strategies. The application of media communication and technology to academic and business situations will be demonstrated. This course may be

taken for credit more than once if a student wishes to study another current issue.

Distribution: Advanced.

DMET 510 - Online Tools and Strategies for Learner-Centered Instruction (3 credits)

In this class, students will increase technological pedagogical content knowledge to create lessons in various online learning environments. Application of digital tools will include but are not limited to CMS and LMS strategies and the collaborative web in order to develop learner-centered lessons by using an understanding of differentiation, extension, and global awareness for the 21st century. By collaborating with classmates and in other online environments, the students will extend their personal learning network beyond the class.

Distribution: Advanced.

DMET 520 - Selection and Application of Learning Technologies (3 credits)

In this course, students will formulate the skills needed to integrate learning technologies based on understanding an array of technologies, theories and practices. Through discussion, planning, and knowledge of universal design, class participants will acquire the proficiencies needed to create diverse projects that evaluate ideal learning environments and enable incorporation of technology for learners.

Distribution: Advanced.

DMET 526 - Organization and Administration of Instructional Technology (3 credits)

This course defines the organization, administrative and management roles, responsibilities and tasks of an instructional technologist. Also this course provides an introduction to and overview of the challenges, opportunities, and issues to instructional technologists who serve as administrators and managers in academic and business/industry settings.

DMET 530 - Instructional Design for Effective Learning (3 credits)

Instructional design is a systematic process used to analyze learner needs, and then, develop, design, and evaluate instructional materials. In this introductory course, students will create a learning unit based on student identified learning goals.

Distribution: Advanced.

DMET 532 - Digital Photography and Still Images (3 credits)

This course will provide students with an overview of many different methods for selection, production, manipulation, utilization, and presentation of still images for instructional applications. Students will learn varied techniques of locating, acquiring, and producing digital and non-digital still photographic images.

Distribution: Advanced.

DMET 534 - Video Production (3 credits)

This course will cover the aspects of video production used by educators and trainers to produce quality motion media. A review of research, pre-production organization, production techniques, and post-production editing will be included. Students will have the opportunity to produce motion media in this course.

Distribution: Advanced.

DMET 536 - DE: Internet For Educators (3 credits)

Students will be introduced to the fundamentals of using the Internet to access and share information with emphasis being given to how

this technology can be used as a classroom tool. Project design, commercial services, free services, and online procedures will also be emphasized.

Distribution: Advanced.

DMET 538 - Desktop and Digital Publishing for Learning (3 credits)

Students will apply the basics of designing print and digital publications for learning. With an understanding of design principles, use of creativity and visual intelligence, students will complete hands-on activities to produce effective media. Topics Include: publication options, use of type in print and digital environments, imagery, visual layout, linear and non-linear progression.

Distribution: Advanced.

DMET 540 - Multimedia I (3 credits)

This is the introductory course in the Multimedia series, which provides introductory multimedia production skills within instructional design and learning theory. Students will learn introductory skills while using instructional design principles to plan and produce multimedia for effective classroom instruction. Topics include the integration of media literacy, instructional design implementation, assessment, and media production techniques.

Distribution: Advanced.

DMET 542 - Multimedia II (3 credits)

This is an intermediate course in the Multimedia series, which increases the skill level of the student in production, and applying learning theory to the instructional materials. The course builds upon the instructional design, learning theory, and skills gained in other courses. Students create multimedia productions using instructional design process and professional tools so that instruction can be delivered on multiple digital devices.

DMET 543 - Multimedia III (3 credits)

This is an advanced media production that builds upon instructional design and skills gained in Multimedia II. Students will fully integrate digital still, digital motion, digital sound, and digital animation using instructional professional programs. Productions will provide an interactive experience with understanding of learning theory and implementation of unit planning. Focused attention will be given to diversity and learning accommodations.

Distribution: Advanced. Prerequisite: DMET 542.

DMET 545 - Interactive Media (3 credits)

This course is designed to introduce the student to the technology of interactive media. Special emphasis is placed on the various applications for interactive media. Students will gain practical experience in creating interactive media programs.

Distribution: Advanced.

DMET 580 - Research Project I: Action Research Design (3 credits)

Designing appropriate learning opportunities requires the application of research techniques in order to improve resources for learning and productivity in a technology enhanced environment. Using research-based instructional theories and extant data, students create a proactive research action plan.

Distribution: Advanced.

DMET 581 - Research Project II: Action Research Implementation (3 credits)

In this second research course, students will implement their action research design in order to make positive change in a learning environment. While doing systematic research, students learn to create an observation tool, analyze the limitations of a study, or do data analysis to interpret the data. The final product will be a research summary based on a synthesis of the student's research and extant data.

Distribution: Advanced. Prerequisite: DMET 580.

DMET 585 - Internship (3 credits)

Students will work in an environment that provides professional experiences related to the student's field of interest and study, be assigned instructional technology tasks, and document the activities of an instructional technology and/or training media professional. An external non-department member media professional and appropriate department faculty member will jointly supervise the students.

Distribution: Advanced.

DMET 589 - Thesis (3 - 6 credits)

This course consists of thesis topic development, information gathering, material organization, data evaluation, formal thesis report writing, and completion of the thesis. Thesis procedures must adhere to the Thesis Guidelines as defined by the Office of the Graduate School and the Department of Digital Media Technologies. Students register for either 3 to six credits in one semester with approval of adviser.

Distribution: Advanced.

DMET 599T - Digital Media Technologies Graduate Transfer (1 - 6 credits)

This course consists of thesis topic development, information gathering, material organization, data evaluation, formal thesis report writing, and completion of the thesis. Thesis procedures must adhere to the Thesis Guidelines as defined by the Office of the Graduate School and the Department of Digital Media Technologies. Students register for either 3 to six credits in one semester with approval of adviser.

Management and Leadership

College of Business and Management

Public Administration – Sport Management

This is an interdisciplinary program encompassing faculty and coursework from three departments:

- Department of Business Management
- Department of Political Science
- Department of Sport Management

Management and Leadership Faculty

Graduate Coordinators:

Organizational Behavior Concentration

Sheila Handy, Ph.D., (shandy@esu.edu)

Public Administration Concentration

Adam McGlynn, Ph.D., (amcglynn@esu.edu)

Sport Management Concentration

Jaedeock Lee, Ph.D., (jaedeock@esu.edu)

Professors:

Kimberly Adams, Ph.D., (kadams@esu.edu)

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Associate Professors:

Douglas Friedman, Ph.D., (dfriedman@esu.edu)

Jaedeock Lee, Ph.D., (jaedeock@esu.edu)

Ko Mishima, Ph.D., (kmishima@esu.edu)

Assistant Professors:

Adam McGlynn, Ph.D., (amcglynn@esu.edu)

Management and Leadership M.S.

33-37 credits

Purpose of Degree

The intent of the Master of Science degree program in Management and Leadership is to provide graduate level instruction to enhance the management, leadership and decision-making abilities of graduates of the program, in preparation for the dynamic, technology-driven work force in the private, public, and non-profit sectors.

The Master of Science in Management and Leadership offers graduate level instruction based on theory while providing opportunities to apply competencies in practical settings. The program is committed to developing competent managers and leaders capable of excelling in the constantly changing business environment that surrounds today's private marketplace and public sector.

Student Learning Outcomes

Students graduating from the M.S. in Management and Leadership program will be able to:

1. Comprehend leadership models and theories and apply them to professional practice.
2. Understand the group dynamics of professional organizations and utilize leadership skills to set and achieve organizational goals.
3. Competently manage in a dynamic, technology driven economic environment.
4. Examine issues that relate to achieving business excellence, valuing human diversity, effecting change, using technology, and demonstrating social responsibility.
5. Demonstrate managerial competencies associated with managing employees, facilitating groups and communicating effectively.
6. Apply management skills and theory through a culminating experience.

PROGRAM OF STUDY

Based on the student learning outcomes established above, the following coursework was established for fulfillment of the common

area requirements. All students must complete the common area requirements.

Due to the unique structure of the program, in addition to completion of the common area, students can choose to complete the curriculum requirements established by each of the different departments involved in the proposal. The curriculum consists of 33 to 37 credit hours including a common area of study in management and leadership philosophy and techniques.

The program offers students concentrations in the following areas:

1. Organizational Behavior
2. Public Administration
3. Sport Management

Common Areas of Study

MGT 501	Organizational Behavior	3
MGT 502	Organizational Strategy	3
MGT 503	Organizational Leadership	3
MGT 504	Organizational Control Systems	3

Research Methods (Select ONE of the following):

SMGT 570	Introduction to Research	3
POLS 570	Introduction to Research: Scope and Method	3

Subtotal: 15**Individual Areas of Concentration****Organizational Behavior****Required Courses**

MGT 570	Introduction to Business Research	3
MGT 586	Internship in Management	6
PSY 510	Industrial/Organizational Psychology	3
CMST 550	Organizational Communication	3
DMET 526	Organization and Administration of Instructional Technology	3

Subtotal: 18**Public Administration****Required Courses**

POLS 501	Public Administration: Theory, Scope and Methods	3
POLS 537	Problems in Public Administration	3
POLS 566	Budgeting & Finance	3
POLS 567	Public Personnel Administration	3
POLS 586	Field Experience and Internship	1 - 6

Electives - 3-6 credits

Electives may be selected from graduate courses offered through the Departments of Political Science, Business Management, or Economics.

Comprehensive Exam

Students must pass a comprehensive examination during the final semester of study.

Sport Management*Required Courses*

SMGT 547	Sports Business & Finance	3
SMGT 548	Sports Marketing	3
SMGT 549	Sports and the Law	3
SMGT 586	Field Experience & Internship	3 - 12

Elective Courses (Select one)

SMGT 546	Planning and Management of Sport Facilities	3
SMGT 550	Sport Personnel Management	3

Subtotal: 19-22

Students with one or more years managerial experience or currently employed in a full-time managerial position, may substitute an elective for the internship. Prior permission is required, and must be approved on the plan of study.

Admissions Requirements and Deadlines**Undergraduate Prerequisite Coursework or Competencies**

Applicants are expected to possess a common body of knowledge essential for advanced study in management and leadership. This body of knowledge typically includes undergraduate coursework or life experience contributing to a foundation of knowledge in the following areas: marketing, law, management fundamentals, finance/economics, and computer applications. Applicants with an undergraduate degree in business or management will likely have taken coursework-providing competencies in these areas. Applicants with non-business undergraduate degrees will usually lack at least some of these competencies, and therefore, will need to satisfy them through alternative means, including but not limited to:

- Submission of a portfolio/dossier, including an updated vita or demonstration of work product generated during the course of employment and/or other professional experiences,
- Successful completion of undergraduate coursework. (Note: The faculty intend to work toward offering coursework to satisfy these competencies via alternative delivery methods), or
- Passing the relevant graduate level coursework with a grade of "B" or higher.

The alternative means described above for satisfying the prerequisite requirements are typical for programs in the management area.

Application Deadline

Applicants for admission are strongly encouraged to apply by March 15 before the academic year for which they are seeking admission.

Time for Degree Completion

Students enrolling in the program on a full-time basis will have an opportunity to complete the required common area and co-requisite area coursework within a full academic year and, depending on their internship and other program requirements, will typically complete all their degree requirements in three full semesters.

Graduate Assistantships

The M.S. in Management and Leadership program offers a variety of graduate assistantships. These are awarded based upon merit and achievement to full-time students in the graduate program. Graduate

assistants do not teach classes, but complete projects and tasks assigned by professors.

The graduate assistantship is awarded for the first year of full-time study, with the possibility of extension through the first summer. Prospective students should apply for a graduate assistantship at the time of application to the program, using the application form online. Graduate Assistants have positions across the campus, including, but not limited to, the Department of Intercollegiate Athletics, Office of Admission, Student Enrollment Center, and the office of Graduate Studies.

For more information, contact the office of Graduate Studies.

MGT- Management**MGT 501 - 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. This course concludes with a consideration of the organization-wide processes of learning, change, and structural design.

Distribution: Advanced.

MGT 502 - 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: Advanced.

MGT 503 - Organizational Leadership (3 credits)

This course presents traditional (trait and behavioral theories) and contemporary models (contingency, participative, charismatic, transformational) 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. Case of effective and ineffective leadership will be utilized extensively throughout the course.

Distribution: Advanced.

MGT 504 - Organizational Control Systems (3 credits)

This course presents the theoretical and practical tools essential to effective management control including financial statement analysis, cost measurement and control, budgeting, the balanced scorecard, total quality management, value chain analysis, theory of constraints, productivity, and capacity. The course is a survey of some of the most useful management control topics from financial accounting, managerial (cost) accounting, operations management, and systems theory.

MGT 570 - Introduction to Business Research (3 credits)

The course provides students an opportunity to apply knowledge of research methods to address a business problem or research question in far greater depth than a traditional research paper. This course introduces the students to conducting business research on a more advanced level. Students will have the opportunity to develop

the research question(s), read extensively in the academic literature, gather and analyze data, and thereby extend learning from prior coursework in a research setting.

MGT 586 - Internship in Management (9 credits)

This course is designed to provide the student with practical experience in a commercial or not for profit setting and apply the theoretical and practical aspects of organizational behavior and leadership.

Distribution: Advanced (ADVD). Prerequisite: Permission of the graduate coordinator.

MGT 599T - Management Graduate Transfer (1 - 6 credits)

This course presents the theoretical and practical tools essential to effective management control including financial statement analysis, cost measurement and control, budgeting, the balanced scorecard, total quality management, value chain analysis, theory of constraints, productivity, and capacity. The course is a survey of some of the most useful management control topics from financial accounting, managerial (cost) accounting, operations management, and systems theory.

Political Science

College of Arts and Sciences

Department of Political Science

Stroud Hall 409

570-422-3286

www.esu.edu/pols

Political Science Faculty

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Political Science M.A.

Purpose of degree:

The Master of Arts in Political Science prepares graduates for positions in the public, non-profit, or private sector at various levels — domestic, foreign, or international - or for further graduate or professional study, such as law school. The graduate political science curriculum comprises the systematic study of the theory and practice of politics at various levels — domestic, foreign, and international.

Graduate students can focus their program of study on questions of a theoretical nature, the role and performance of political institutions and political systems, or the behavior of individuals and groups.

Student Learning Outcomes:

- Students will demonstrate an in-depth of knowledge of the schools of thought, theories, models, and issues within the political science discipline.
- Students will demonstrate an understanding of multiple research designs and methodologies, both quantitative and qualitative, and have the ability to conduct political science research involving the development of research questions, a research design, quantitative and qualitative analysis, and presenting the results in a logical and professional manner.
- Students will demonstrate critical thinking skills in understanding and evaluating theories, ideas, and issues across the four subfields of political science: American Government and Public Administration, Political Theory, Comparative Government, and International Relations.
- Students will demonstrate professional and academic ethics.
- Students will demonstrate an ability to work in a diverse, multicultural environment.
- Students will demonstrate an ability to communicate effectively through their written work.
- Students will be prepared to pursue public or non-profit sector work, and/or doctoral studies in political science or law school.

Special resources of the department:

The department provides internship opportunities for students who are interested in exploring employment in the public or private sectors.

PROGRAM OF STUDY

30 credits

Required Courses (9 credits)

POLS 570	Introduction to Research: Scope and Method	3
POLS 572	Thesis I	3
POLS 573	Thesis II	3

Political Science Electives (15-21 credits)

Students must elect at least one course from each group:

- Group A - American Politics and Public Administration
- Group B - International Relations
- Group C - Comparative Government and Regional Studies
- Group D - Political Theory

Related Electives (3-6 credits)

Students may select up to six credits from related areas: history, economics, sociology, geography, or other approved electives.

Language requirement

A knowledge of the fundamentals of one foreign language is required unless waived under the provisions set forth in the Graduate Catalog.

Final graduation requirement

In addition to the required courses, students must pass a comprehensive examination.

Admissions requirements and deadlines

The department follows the requirements of the office of Graduate Studies for admission.

Political Science M.Ed.: Thesis Program

Purpose of degree:

The Master of Education in Political Science allows students who are presently teaching to obtain further credentials in their field to become master teachers.

Student Learning Outcomes:

- Students will demonstrate an in-depth of knowledge of the schools of thought, theories, models, and issues within the political science discipline.
- Students will demonstrate an understanding of both quantitative and qualitative research designs, methods, and techniques.
- Students will demonstrate critical thinking skills in understanding and evaluating theories, ideas, and issues across the four subfields of political science: American Government and Public Administration, Political Theory, Comparative Government, and International Relations.
- Students will demonstrate professional and academic ethics.
- Students will demonstrate an ability to work in a diverse, multicultural environment.
- Students will demonstrate an ability to communicate political science theories, ideas, and issues effectively on a public school age appropriate level.
- Students will be prepared to assume increased responsibilities within their school or school district.

PROGRAM OF STUDY

30 credits

Required Courses (6 credits)

POLS 570	Introduction to Research: Scope and Method	3
POLS 572	Thesis I	3

Political Science Courses (12-18 credits)

Students are to select at least one course from each group:

- Group A - American Politics and Public Administration;
- Group B - International Relations
- Group C - Comparative Government and Regional Studies
- Group D - Political Theory

Related Elective Courses (3-6 credits)

Students are to select courses in related fields such as history, economics, sociology, geography, or other approved electives.

General and Professional Education (3-6 credits)

Students are to select education courses.

Final graduation requirement

In addition to the required research methods course and thesis, students must satisfactorily pass a comprehensive examination.

Admissions requirements and deadlines

The department follows the requirements of the office of Graduate Studies for admission.

Political Science M.Ed.: Non-Thesis Program

Purpose of degree:

The Master of Education in Political Science allows students who are presently teaching to obtain further credentials in their field to become master teachers.

Student Learning Outcomes

- Students will demonstrate an in-depth of knowledge of the schools of thought, theories, models, and issues within the political science discipline.
- Students will demonstrate an understanding of both quantitative and qualitative research designs, methods, and techniques.
- Students will demonstrate critical thinking skills in understanding and evaluating theories, ideas, and issues across the four subfields of political science: American Government and Public Administration, Political Theory, Comparative Government, and International Relations.
- Students will demonstrate professional and academic ethics.
- Students will demonstrate an ability to work in a diverse, multicultural environment.
- Students will demonstrate an ability to communicate political science theories, ideas, and issues effectively on a public school age appropriate level.
- Students will be prepared to assume increased responsibilities within their school or school district.

PROGRAM OF STUDY

34 credits

Required Courses (4 credits)

POLS 570	Introduction to Research: Scope and Method	3
POLS 571	Independent Research	1

Political Science Courses (12-18 credits)

Students are to select at least one course from each group:

- Group A - American Politics and Public Administration
- Group B - International Relations
- Group C - Comparative Government and Regional Studies
- Group D - Political Theory

Related Elective Courses (3-9 credits)

Students are to select courses in related fields.

General and Professional Education Courses (3-9 credits)

Students are to select electives from general or professional education courses.

Final graduation requirement

Successfully complete the research methods course, satisfactorily pass a comprehensive exam and complete an acceptable Independent Research Project.

Admissions requirements and deadlines

The department follows the requirements of the office of Graduate Studies for admission.

Graduate Assistantships:

Graduate assistantships are available through the department. These are awarded based upon merit and achievement to full-time students in the graduate program. Graduate assistants do not teach classes, but complete projects and tasks assigned by professors.

The graduate assistantship is awarded for the first year of full-time study, with the possibility of extension through the first summer. Prospective students should apply for a graduate assistantship at the time of original application to the program, using the application form provided by the Graduate Studies office or apply online.

POLS - Political Science**POLS 500 - ST: (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.

POLS 501 - Public Administration: Theory, Scope and Methods (3 credits)

Public Administration: Theory, Scope, and Methods 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 a graduate level overview of: the historical foundations of public administration; the nature of governmental activity; governmental structure, bureaucracy, and organizational theory; public personnel management; public budgeting and financial management; administrative law; and administrative ethics.

POLS 514 - Seminar on Local Government (3 credits)

This seminar will provide students with an opportunity to examine the operation and concerns of local government in detail. The focus will be on the challenges caused by rapid population growth and economic development. Students will examine the juxtaposition of local government in the American system, the adequacy of local government structures, land-use policy, taxing practices, and environmental and social issues. There will be interaction with local government officials.

Distribution: Advanced.

POLS 516 - Administrative Law (3 credits)

Administrative Law is concerned with the administrative agencies. It studies the powers of agencies, the limits on their powers, the rules that bind agency action, and the remedies available to those injured by administrative power. For the purpose of this course, administrative law is the law governing the creation of, powers of, and limitations upon public bureaucracies, not the regulations they produce.

Distribution: Advanced.

POLS 518 - Political Communications (3 credits)

This course explores the role of the news media in both domestic and international politics. This course is designed to be accessible to both Political Science and Communications students. An emphasis is placed upon recent research and the exploration of current topics in this area.

POLS 520 - ASI : Area Studies I (3 credits)

(A specific area will be announced). This course investigates selected problems of historical and political development in major world

areas. Emphasis is placed on political institutions-their background, development and significance.

POLS 522 - Foreign & Travel Study (3 credits)

This course involves travel and possibly study at foreign colleges and universities. The focus will be the history and government of the countries visited, and their economic growth and integration. Emphasis is placed on formal and informal discussion and analysis of contemporary indigenous problems.

Distribution: Advanced.

POLS 523 - Seminar in American Public Policy (3 credits)

In this course students will analyze the competing proposals and contemporary research addressing the major public policy issues affecting the United States today. Students will be required to critically analyze and debate the course readings with an eye towards identifying the best policies to adopt. Policy topics to be covered in the course 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.

Distribution: Advanced.

POLS 525 - Seminar: Middle East (3 credits)

This course will offer an advanced study and analysis of selected Middle East states. Emphasis will focus on political culture, modernization efforts and nationalism both in terms of regional identity and in terms of its broader international consequences.

Distribution: Advanced.

POLS 528 - Comparative Policy Analysis (3 credits)

This seminar concentrates on the theory, techniques, and content of a body of research broadly concerned with factors that determine the variation in patterns of public policy across jurisdictions and over time. Students read materials that focus on how cultures, economic systems, and political institutions differ and how these differences affect public policies.

Distribution: Advanced.

POLS 529 - 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. It also covers research methods and theories of international political economy, and asks participants to assess current developments using these theories and methods. We probe why certain policies are adopted and how they affect the economies of major industrialized and developing nation-states.

POLS 531 - Contemporary Political Thought (3 credits)

This course is a study of Twentieth Century thought concerning the role of the state in society. It includes discussion of ethical as well as pragmatic considerations, analysis and appraisal of liberalism, conservatism, fascism, socialism, communitarianism, multi-culturalism, feminism, and other ideologies. Political structures and functions are considered in connection with social values and objectives.

Distribution: Advanced.

POLS 532 - Seminar in Parties & Politics (3 credits)

This course analyzes political parties as a part of the political process, political parties as an integral force in society, the transformation of

societal values into public policy through the operation of the party system, electoral systems and their relationship to the political system, voting behavior, changing styles in party strategy, campaigning, and suggestions for electoral reform.

Distribution: Advanced.

POLS 533 - The Presidency (3 credits)

This course is an analysis of the presidency; its nature in both its personal and institutional dimensions; the growth of the office; the politics and problems of seeking the office of the presidency; the President's roles as chief executive, party leader, legislative leader, and leader in the international political system. Since this course is also offered for undergraduate credit, differentiation of course requirements may be made.

POLS 534 - Presidential & Elections Politics (3 credits)

This course is a study of the presidential elections of unusual significance in U.S. history; pre-election politics, partisan maneuvers, the platform and selection of candidates; examination of the campaign and election process; discernment of distinguishing characteristics as well as common patterns; evaluation and comparison of results and future applicability.

Distribution: Advanced.

POLS 535 - Inter-Governmental Relations (3 credits)

This course examines the distribution of powers between the federal government and the states. It includes a review of the historic development of American federalism as well as its current trends and conflicts. Emphasis in the course is placed on evaluating the administrative processes that bind federal, state, and local governments together.

POLS 536 - Readings in Civil Liberties (3 credits)

Attention is given to changed conditions and new influences affecting American liberty in the twentieth century. It includes an analysis of issues in economic, social, and political liberties. Emphasis is on constitutional logic and change and on evaluation of the role of the state and the responsibility of the citizen in defining civil liberties. Selections of issues are adapted to student interest and timeliness of problems.

Distribution: Advanced.

POLS 537 - Problems in Public Administration (3 credits)

This course is a survey and analysis of the major contributions in traditional and contemporary organization theory; examination of decision making, leadership, and human behavior in complex organization; the study of Public Administration as an integral part of the public policy process; problems in budgetary politics; and personnel administration, administrative law, and democracy in the administrative state.

POLS 538 - 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 agreements, traditional and new diplomatic practices, foreign policy and international organization, and the extent of democratic control of foreign affairs.

Distribution: Advanced.

POLS 540 - Comparative Politics (3 credits)

This course consists of a comparative analysis of Western European political systems with special emphasis upon the environmental

factors that have shaped these systems and the identification of relevant categories, such as ideology and the organization of political authority, from which generalizations may be derived.

POLS 541 - Seminar on International Security (3 credits)

Placed in the context of globalization, this course investigates new security threats to states and people globally. The course looks at contemporary international debates on social and political sources of violent acts, international and domestic laws on terrorism and counter-terrorism, the balance of security versus individual rights, and organizations involved in security issues.

Distribution: Advanced.

POLS 543 - The United Nations (3 credits)

This course investigates the establishment, operation and responsibilities of the United Nations, its organs, agencies, and commissions; the development of the Charter since its inception and analysis of its emerging structure; the problems of increasing membership; the strengths and weaknesses of the Charter, the evaluation of U.N. successes and failures; and the prospects for the future.

Distribution: Advanced.

POLS 544 - International Relations: Theory and Practice (3 credits)

This course looks at the theories used to explain international interactions between states, but also organizations and increasingly corporations and individuals. National interests, foreign policy and the changing international order are examined using dominant theories to help us understand why something happens, and why decisions are made in certain ways.

Distribution: Advanced.

POLS 545 - International Law and Organization (3 credits)

This course is a study of rules that govern sovereign states in their legal relations with each other; historic development and current status of the law of nations. Key cases are studied to illustrate rules. It includes a survey of the development of international institutions from the 19th century public unions to the more recent specialized agencies; procedures for settlement of disputes; development of law in and outside the community of nations; and the study of international organizations as a political phenomenon of the 20th century.

Distribution: Advanced.

POLS 547 - Seminar in American Political Thought (3 credits)

An in-depth exposure to major segments of American political thought, with a special emphasis on the emergence of Liberalism. This evolution would be considered in successive courses, as determined by the professor. A possible breakdown might be as follows; relevant English, revolutionary, Constitutional and Whig thought; transcendentalism, the Civil War and individualism, pragmatism; New Deal Liberals and other recent writings.

POLS 548 - The Politics of Developing Nations (3 credits)

This course is a comparative analysis of political development in the Third World with particular focus upon the role of revolutionary warfare and politics, charismatic leaders, military elites and ideology.

POLS 554 - 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, the environment in which Congress functions, and an assessment of Congressional effectiveness.

POLS 562 - Political Behavior (3 credits)

This course is an examination of the formation and causes of cleavages and consensus in the political system; the study of political attitude formation, leadership performance, small group relationships; and the effects of political myth, ideology, communication and political power on these processes.

POLS 566 - Budgeting & Finance (3 credits)

This course treats 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. This course provides graduates with an overview of the budgeting process from revenue sources to expenditure controls. Special emphasis is placed on systematic budgeting techniques such as ZBB and MBO. It requires each student to become acquainted with accounting techniques used in public agencies.

POLS 567 - Public Personnel Administration (3 credits)

This course explores the policies, programs, and techniques used in managing human resources in the public and non-profit sectors. It addresses issues of personnel leadership, neutrality, and accountability. It includes challenges resulting from legislation, collective bargaining, and changing demographics in the workforce.

POLS 570 - Introduction to Research: Scope and Method (3 credits)

This course is an orientation to graduate study and research. This seminar is designed to acquaint the graduate student with the methods and materials of graduate study and scientific inquiry in Political Science. The course is required of all graduate students in the degree programs.

POLS 571 - Independent Research (1 credit)

This course utilizes selected social science research techniques to attack a specific problem. A formal report is prepared and presented. The course is required for all students in the non-thesis program. Requires prior or concurrent completion of POLS 570.

Distribution: Advanced.

POLS 572 - Thesis I (3 credits)

Under the direction of a thesis adviser, this course consists of the development of a thesis topic, gathering data, organization of material, evaluation of data, and writing a formal thesis report.

POLS 573 - Thesis II (3 credits)

See POLS 572 Completion of Thesis.

POLS 577 - IS: (3 credits)

Under the auspices of a qualified member of the departmental faculty, the student pursues a pattern of reading, study, and research related to professional knowledge and understanding in political science. Topics should be established prior to enrollment. Prerequisite: Departmental approval; permission of the chairperson of the department.

Distribution: Advanced.

POLS 586 - Field Experience and Internship (1 - 6 credits)

This course is designed to provide the student with practical experience in a governmental agency or other organization with local, state, or national governmental or political concerns. Prerequisite: A minimum of 6 credits completed on the graduate level in political science with at least a "B" average. Enrollment in department graduate program.

Distribution: Advanced.

POLS 599T - Political Science Graduate Transfer (1 - 6 credits)

This course is designed to provide the student with practical experience in a governmental agency or other organization with local, state, or national governmental or political concerns. Prerequisite: A minimum of 6 credits completed on the graduate level in political science with at least a "B" average. Enrollment in department graduate program.

Professional and Secondary Education

College of Education

Department of Professional and Secondary Education

209 Stroud Hall

570-422-3363

www.esu.edu/psed

Professional and Secondary Education Faculty

Graduate Coordinator:

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Professors:

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Beth Sockman, Ph.D., (bsockman@esu.edu)

Assistant Professor:

Stephanie McCall, Ed.D., (smccall@esu.edu)

Professional and Secondary Education M.Ed.

Purpose of Degree

This master's degree is designed for professional educators and K-12 certified school teachers who wish to further develop the knowledge, skills, and attitudes necessary for growth in teaching effectiveness (Track 1), to seek Pennsylvania K-12 principal certification, or New Jersey principal or supervisory certificates (Track 2), to seek National Board Certification (Track 3), or to seek an M. Ed. with a concentration in Advanced or Adapted Physical Education (Tracks 4 and 5).

National Accreditation

National Council for Accreditation of Teacher Education

Special Resources of the Department

The Department of Professional and Secondary Education is composed of faculty members who have had a wide range of experiences that enrich the program. Faculty members have served as elementary and secondary school teachers, supervisors, elementary and secondary school principals, and superintendents of schools.

PROGRAM OF STUDY

All graduate students pursuing a Master of Education degree in Professional and Secondary Education are required to take 36 credits - 21 credits from core requirements and 15 credits from one of three tracks:

- Track 1: Professional Education
- Track 2: Educational Leadership (successful completion prepares candidates for Principal Certification)
- Track 3: Advanced Pedagogy (successful completion prepares candidates for National Board Certification)
- Track 4: Advanced Physical Education

- Track 5: Adapted Physical Education (can lead to National Certified Adapted Physical Education Certificate)
- Track 6: Advanced Sport Performance Coaching

Note: It is also possible to arrange for the transfer of six graduate credits from an accredited institution with pre-approval from the Graduate Program Coordinator.

PLAN OF STUDY

Core Requirements - 21 credits

PSED 510	Teacher- School and Community	3
PSED 515	Educational Data	3
PSED 516	Learner & the Learning Process	3
PSED 554	Foundations of Curriculum Construction	3
PSED 584	Middle and High School Curriculum	3
PSED 588	School Law	3
PSED 590	Supervision of Instruction	3

Track 1: Professional Education (15 credits)

Fifteen credits in one or several areas as approved by PSED adviser.

The areas of concentration include any academic area, administration, affective education, curriculum, middle school, reading, health, special education, technology, and other areas by arrangement. Teachers interested in securing a master's degree and/or certification as a teacher will find this program especially attractive.

The 15 credits are PSED courses or courses in a related area. The candidate and adviser collaboratively plan the course of study to attain the 15 credits.

Track 2: Educational Leadership (15 credits)

PSED 573	Field Experience in Educational Leadership	3
PSED 574	Field Experience in School Organization and Management	3
PSED 575	Field Experience in Curriculum and Student Achievement	3
PSED 595	Elementary and Secondary Educational Leadership	3
PSED 596	School Finance	3

Track 3: Advanced Pedagogy (15 credits)

PSED 533	Designing and Implementing Programs for Professional Development	3
PSED 570	Field Assessment Education	3
PSED 577	IS:	1 - 12
PSED 580	Professional Assessment in Secondary Education	3

Additional Course

Any graduate level PSED course

Track 4: Advanced Physical Education (15 credits)

PETE 514	Assessment and Documentation of Student Achievement	3
PETE 517	Analysis of Teaching Behavior in Physical Education	3
PETE 522	Advanced Theory and Techniques of Physical Education	3
PETE 523	Administration: Physical Education and Sport Programs	3
PETE 561	Seminar: Adapted Physical Education	3

Track 5: Adapted Physical Education

Track 6: Advanced Sport Performance Coaching

EXSC 591	Advanced Philosophy of Performance Training & Coaching	3
EXSC 592	Advanced Principles of Performance Enhancement for Performance Coaching	3
EXSC 593	Advanced Therapeutic and Physiological Foundations for the Coach	3
EXSC 594	Advanced Seminar in Sport Performance Coaching	3
EXSC 595	Advance Sport Performance Coaching Practicum	3

Note: Candidates must earn certification before awarding of Master's Degree.

Admission Requirements:

- Bachelor's degree from accredited college or university
- Minimum GPA of 3.0 from bachelor's degree or 15 credit hours of prior graduate coursework
- Teacher certification and all required Pennsylvania clearances

Completion Requirements:

- Professional portfolio
- Oral review

Post-baccalaureate Certificate Online Teaching K-12

12 credits

PROGRAM REQUIREMENTS

Required Courses

PSED 522	Foundations of Online Learning in K-12 Environments	3
PSED 523	Assessing Students in K-12 Online Learning Environments	3
DMET 510	Online Tools and Strategies for Learner-Centered Instruction	3
DMET 530	Instructional Design for Effective Learning	3

Post-baccalaureate Certificate National Board Teacher Preparation

12 credits

PROGRAM REQUIREMENTS

Entrance requirements:

- valid teacher certificate
- 3 years teaching experience

Required Courses

PSED 533	Designing and Implementing Programs for Professional Development	3
PSED 555	Practicum in Curriculum Development	3
PSED 570	Field Assessment Education	3
PSED 580	Professional Assessment in Secondary Education	3

Secondary Education Certification Preparation

All requirements are subject to change based on changes in requirements to Teacher Certification code in respective state level Departments of Education.

Purpose of Program

The programs for certification in secondary education are designed for individuals who have successfully completed an undergraduate degree in an area other than education. The programs are planned and supervised by the Department of Professional and Secondary Education and by the department responsible for the academic major.

PROGRAM OF STUDY

Certification areas are the following:

- Biology
- Chemistry
- Earth and Space Science
- English
- French
- General Science
- Mathematics
- Physics
- Social Studies
- Spanish

Candidates are urged to meet regularly with advisers, one from Professional and Secondary Education, and another from the discipline department to ensure receiving certification in the most efficient manner.

PLAN OF STUDY

A total of 27 credits of professional course work are required plus a semester of Student Teaching which includes Practicum support sessions and Internship (13 credits).

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.

Required Courses:

PSED 510	Teacher- School and Community	3
PSED 516	Learner & the Learning Process	3
PSED 524	Teaching English Language Learners in the Diverse Classroom Setting	3
REED 528	Teaching Content Area Reading to Diverse Learners	3
SPED 550	Nature and Needs of Exceptional Individuals	3
SPED 551	Inclusionary Practices	3

Secondary Education Methods Courses

The appropriate secondary education methods courses (below) should be taken one or two semesters before enrolling in Student Teaching. Some Methods courses are not offered every semester so it is critical to work with both the PSED adviser and the academic content area adviser to ensure completing the program in the most efficient manner.

Students are encouraged to take Seminar I before or concurrently with the "Teaching of..." courses. Seminar I and II may not be taken concurrently.

PSED 506	Teaching of English in the Secondary Schools	3
PSED 517	Teaching of Foreign Language	3
PSED 520	Seminar Secondary Education I	3
PSED 521	Seminar Secondary Education II	3
PSED 536	Teaching of Mathematics in the Secondary Schools	3
PSED 546	Teaching of Science in the Secondary Schools	3
	Or	
PSED 566	Teaching of Social Studies in the Secondary School	3

Student Teaching

Student teaching may be taken as graduate level credits but may not be used to fulfill Master of Education degree requirements.

PSED 518 Student Teaching in Secondary Education: Middle School-Junior High 6 credits

PSED 519 Student Teaching in Senior High School 6 credits

The two student teaching experiences will include a required support program called practicum. It also includes support from the academic department in the following course:

BIOL 499 Student Teaching Internship
Or
CHEM 499 Student Teaching Internship
Or
ENGL 499 Student Teaching Internship
Or
HIST 499 Student Teaching Internship
Or
PHYS 499 Student Teaching Internship

Or

MATH 499 Student Teaching Internship

Or

MLNG 499 Student Teaching Internship

Final Completion Requirements

Graduates who complete the required courses in one of the majors listed above, the professional education courses, the university requirements, and the state requirements are eligible to be recommended for certification to teach in their major in grades 7-12.

Applications for certification are obtained online from the Pennsylvania Department of Education.

Secondary Education Certification - Professional Development School

Periodically opportunities are available to be part of the Secondary Professional Development School Program. Check with the PSED chair or your adviser to determine semester this is offered.

Teacher Intern Program

Program Purpose

The Teacher Intern Program is an opportunity for college graduates to enter the teaching profession in the secondary schools of Pennsylvania, by allowing candidates to earn student teaching credits while teaching under supervision and on full salary. This hands-on approach to earning teaching credentials has been designed as an attractive alternative for the teaching profession.

Program Requirements

After admission to the graduate studies and the Teacher Certification Program at East Stroudsburg University, successfully passing the PRAXIS Specialty Examinations, meeting professional and academic requirements outlined by the Department of Professional and Secondary Education, and having a clear background records check, one may seek employment in the secondary schools of Pennsylvania.

If offered employment by a school district, one must immediately apply at the university (Dean, School of Education) and the Pennsylvania Department of Education for the Intern Certificate. From the time one gains employment and receives the Intern Certificate, one has three years to complete the required education credits (course work).

If one does not gain employment while holding the letter of candidacy, then teacher certification is available through the traditional route. After these steps are successfully completed one receives the Instructional I Certificate.

Certifications available are the following: Biology, Chemistry, Earth and Space Science, English, Foreign Language (French, Spanish), General Science, Mathematics, Physics, and Social Studies.

Principal Certification Elementary and/or Secondary (K-12 program)

Variable up to 36 credits

Program Purpose

The program has been designed for and will accept students who:

- Have enrolled in the Master's Degree in Professional and Secondary Education program at ESU OR

- Need additional course work to meet certification standards in Pennsylvania or other states and meet all entrance requirements.
- Desire enrichment, professional education requirements for other degree programs, or for other certification requirements and do not necessarily plan to seek certification as a principal.

Graduate credits already earned will be evaluated and accepted when applicable. Each student will have an adviser who will assist in planning the program in view of the students' needs and interests.

To receive endorsement for a Pennsylvania Certificate, students will need to complete either a Master's Degree or an add-on certificate program with a minimum of 18 hours completed at ESU.

New Jersey's requirement that a candidate have a master's degree in administration, leadership, or management can be completed at ESU by developing a master degree plan of study based on the Pennsylvania approved principal's certification program.

An individual Plan of Study is developed for all candidates dependent upon their career path and state requirements for professional certification.

This program has been approved by the Educational Leadership Constituent Council's Association for Supervision and Curriculum Development, the national organization for administration and leadership.

For all degree programs described above, the candidate must select a minimum of 18 credits of courses open only to graduate students.

Admission Requirements and Deadlines

(see Graduate Admission Requirements)

Standards for admission are as follows:

Admission, Pre-candidacy (Full)

1. Bachelor's degree from an accredited college or university.
2. Three completed Recommendation Forms from persons who have taught or supervised you. All recommendations must be sealed and bear the signature of the author.
3. An overall undergraduate minimum grade point average of 3.0 (4.0 basis).
4. A one-page professional resume.
5. A 250-300 word Professional Goal Statement (see Graduate Admissions Requirements).

Admission, with Conditions

1. Completion of all requirements listed above
2. If the applicant does not meet the GPA requirements listed above but has an overall undergraduate grade point average of at least 2.5, he/she may request admission with conditions.
3. The conditions the applicant must fulfill are stated at the time of application to a degree program. They may be corrected by taking:
 - a. required undergraduate or graduate courses
 - b. proficiency examinations
 - c. auditing of specific courses
4. The student is required to fulfill all deficiency requirements in his/her program and to have achieved a 3.0 quality point average and a "B" or better in all courses in his/her graduate work by the time he/she has completed nine to 12 graduate credits. At this

time, FULL ADMISSION is achieved when the Plan of Study is submitted and approved.

Initial Teacher Certification Admission

Students entering a program for initial teacher certification, either with or without the master's degree option, are required to fulfill additional requirements for entry and matriculation in the teacher education program.

1. Students must be formally admitted to the teacher education program before or upon completion of 12 graduate credits. Admission to the teacher education program requires:
 - a. Completion of a faculty interview with portfolio demonstration
 - b. Earn a minimum overall ESU QPA as identified by PA law (3.0)
 - c. Have incidence-free FBI clearance, Criminal Check (Act 34), and Child Abuse clearance (Act 151)
 - d. Any other specific departmental requirements or prerequisites and, being recommended by departmental faculty and approved by the Teacher Education Council.

Students must be accepted to the Graduate Studies program, which includes the review of all undergraduate course work.

Graduate Assistantships

Graduate assistantships are available through the department. These are awarded based upon merit and achievement to full-time students in the graduate program.

Graduate assistants do not teach classes, but complete projects and tasks assigned by professors.

The graduate assistantship is awarded for the first year of full-time study, with the possibility of extension through the first summer. Prospective students should apply for a graduate assistantship at the time of original application to the program, using the application form online.

Graduate Assistants must maintain satisfactory academic progress and meet all requirements stipulated by the Graduate Studies program.

PSED - Prof and Secondary Education

PSED 502 - Comparative Education (3 credits)

This course deals with current educational systems throughout the world, and an analysis of the forces which have influenced these systems.

Distribution: Advanced.

PSED 503 - Comparative Education Abroad (3 credits)

This overseas fieldwork permits one to gain experience in his/her professional area overseas. One is assigned to a counterpart teacher/administrator abroad for three weeks. During this time one may engage in independent teaching, team teaching, small-group work, individualized instruction and assistance with activities in the host school. Time should be available to discuss with staff in the overseas school such things as program, teaching methods and materials, organization of schools, and problems of education and curriculum.

Distribution: Advanced.

PSED 504 - Philosophy Of Education (3 credits)

This course is concerned with the philosophical consideration of the rights and duties of the child, the parent, the school, and the society.

It examines the purpose of education in a democratic society from the varying views of modern schools of philosophy. Problems related to the organization, administration, and methods of teaching are explored in their philosophical context.

Distribution: Advanced.

PSED 505 - Classroom Management and Discipline Models (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.

PSED 506 - Teaching of English in the Secondary Schools (3 credits)

Teaching of English 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. Prerequisites: PSED 510, 516.

Distribution: Advanced.

PSED 509 - History Of Education (3 credits)

The course will examine, evaluate, and analyze American educational history from colonial times to the present day with recognition of pioneer efforts and people who have played an important part in the development of the American education process.

Distribution: Advanced.

PSED 510 - Teacher- School and Community (3 credits)

This course analyzes a wide spectrum of human relations within the broad area of basic education. Common professional problems are discussed. It also includes an examination of the values and beliefs of the community as related to the public school.

PSED 511 - Educational Sociology (3 credits)

This course is a study of the public school in its strategic position in society and the social changes that directly affect the educational system and process. Community social service organizations that complement the role of the schools are explored and examined.

Distribution: Advanced.

PSED 512 - 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. Prerequisites: Completion of 90 credits; consent of instructor

Distribution: Advanced.

PSED 513 - Seminar in Writing Pedagogy and Instructional Practices (6 credits)

This is an intensive four-week summer course for teachers of all disciplines and grade levels that focuses on three related activities: (1) teacher demonstrations of classroom practice; (2) study of current theory and research in writing, thinking, diversity, and teaching; and (3) practice in writing and responding. Prerequisite: B.A. or B.S. in any academic discipline and consent of instructor.

Distribution: Advanced.

PSED 514 - Educational Statistics (3 credits)

This course includes an introduction to the statistical method including descriptive statistics and an introduction to statistical inference; frequency distributions in one and two variables; measures of central tendency and variability; dispersion; regression and correlation; the binomial and normal distribution; randomness; estimation of parameters; standard errors; testing hypotheses about means and differences between means, type I and type II errors; "T," chi-square, "F" distributions; and analysis of variance.

Distribution: Advanced.

PSED 515 - Educational Data (3 credits)

This course presents an overview of quantitative and qualitative data relevant to educational leadership, student achievement, equity and school improvement. Authentic, semester-long research projects lead students to a more complete understanding of the types of educational data available for collection and analysis as well as how data can be collaboratively transformed into actionable knowledge to meet the challenges of professional decision-making, teaching and learning.

Distribution: Advanced.

PSED 516 - Learner & the Learning Process (3 credits)

A review of various views (humanistic, behavioral, cognitive) of the learner and learning theorists (Skinner, Rogers, Bruner, Piaget). Case studies of actual teaching learning problems are brought to the class by the participants for examination and discussion by the group. Completion of PSED 510 is considered preferable prior to enrollment in this course.

Distribution: Advanced.

PSED 517 - 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 with a theoretical foundation for teaching techniques and opportunities are provided for lesson presentations, preparation of teaching materials, planning units, evaluating instruction, and observing teaching. Prerequisites: PSED 510, 516, and six hours of 300- and 400-level courses in the target language area.

Distribution: Advanced.

PSED 518 - Student Teaching in Secondary Education: Middle School-Junior High School (6 credits)

This course is part of a guided teaching experience in the secondary schools which typically consists of PSED 518 and 519 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 middle/junior high school. This course will not be permitted to fulfill M.Ed. requirements. 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 credits in the major field.

PSED 519 - 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 518 and 519 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 high school. This course will not be permitted to fulfill M.Ed. requirements. 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 credits in the major field.

PSED 520 - Seminar Secondary Education I (3 credits)

This seminar includes the study and application of lesson planning, teaching strategies and style, and questioning skills. Seminar includes a required field experience (amounting to 30 hours) in the course. Students taking this course must sign up one semester in advance. Permission of instructor required for enrollment. Prerequisites: Foundations of Education/ Educational Psychology (or graduate equivalent), permission of instructor.

Distribution: Advanced.

PSED 521 - Seminar Secondary Education II (3 credits)

Students will examine the knowledge, skills, attitudes and behaviors that are necessary to teach in a culturally diverse and linguistically diverse and inclusive setting. Students will learn to respond to secondary student individual needs and apply appropriate evidence-based instructional and non-academic recommendations and interventions. This course requires a 30-hour field component in an inclusive classroom and incorporates experiences with English Language Learners.

Distribution: Advanced.

PSED 522 - Foundations of Online Learning in K-12 Environments (3 credits)

This course will introduce the emerging pedagogy of online learning to K-12 interested professionals. Students will explore the requirements needed for successful online learning and teaching. After focusing on the unique characteristics of the online learner, students will explore how to create engaging online learning environments. While there will be significant focus on class design, there will also be references to the developing research about current best practices. Finally, the ethical issues associated with online learning will be considered.

Distribution: ADVD.

PSED 523 - Assessing Students in K-12 Online Learning Environments (3 credits)

This course presents the key concepts with regard to design and implementation of appropriate assessment in K-12 online learning environments. Students will demonstrate competencies in creating and implementing assessments in online learning which include projects and assignments that assess learning progress by measuring student learning through both formative and summative assessments.

PSED 524 - Teaching English Language Learners in the Diverse Classroom Setting (3 credits)

This course provides the 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: PSED 516 AND PSED 510.

PSED 525 - Classroom Behavior of the Secondary School Student (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 exhibit 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. Prerequisites: PSED 161, 242.

Distribution: Advanced.

PSED 530 - Workshop in Emotional Intelligence: Implications for the Classroom Teacher (3 credits)

This course provides general human relations training as related to enabling teachers to enhance the social and emotional development of elementary and secondary students. The course will provide teachers with the knowledge, skills, and strategies for developing their students' emotional intelligence competencies, e.g., impulse control, persistence, zeal, self-motivation, and social deftness. (Workshop Course)

Distribution: Advanced.

PSED 531 - Advanced Workshop in Affective Education (3 credits)

The workshop offers participants preparation for the utilization of a humanistic, positive communication system in the classroom. Three themes, Awareness, Mastery, and Social Action, are utilized in facilitating student learning via improved communications and problem-solving techniques. (Workshop Course)

Distribution: Advanced.

PSED 532 - Yo Puedo (3 credits)

This course is specifically designed for educators who work with bilingual/bicultural Spanish students at the junior and senior high level. Experiential activities are utilized to get participants in touch with the rich, complicated, and sometimes confusing world of the bilingual/bicultural student. Participants learn to help students build and strengthen leadership skills in an environment of positiveness, acceptance, and responsibility. Prerequisite: Undergraduate or graduate sociology or anthropology course. (Workshop Course)

Distribution: Advanced.

PSED 533 - Designing and Implementing Programs for Professional Development (3 credits)

This course will emphasize the knowledge and skills needed for teachers to participate in designing and facilitating their own professional development programs. Teaching styles and activities will be explored, while participants utilize self-assessment to evaluate their needs and establish goals. Strategies for implementation will be discussed. (Workshop Course)

Distribution: Advanced.

PSED 535 - Classroom Diversity (3 credits)

This course encourages educators to identify their own values, prejudices, and goals; to examine their thoughts and/or misconceptions about culturally diverse communities. Designed to help them create school climates that celebrate diversity and meet the needs of students of different races, ethnicities, gender, and ability levels. (This course is offered both as a Workshop Course and a non-workshop graduate class.)

Distribution: Advanced.

PSED 536 - Teaching of Mathematics in the Secondary Schools (3 credits)

This course deals with new mathematics programs and evaluations, 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. Prerequisites: PSED 510, 516.

Distribution: Advanced.

PSED 541 - Introduction to Schools Without Failure (3 credits)

This program is built on involvement, relevance, and thinking. Much time is devoted to attitudinal change, communication skills, group processes, and problem solving. The focus is on meeting the needs of the individual school. Its purpose is to assist principals and teachers in developing a positive, personal philosophy of education; to present a process for developing classroom skills and procedures; to implement a success-oriented curriculum and to provide ways for building constructive communication within the school and between the school and the community. (Workshop Course)

Distribution: Advanced.

PSED 542 - 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. (Workshop Course)

Distribution: Advanced.

PSED 543 - 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*. (Workshop Course)

Distribution: Advanced.

PSED 544 - 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 theory will be presented. (Workshop Course)

Distribution: Advanced.

PSED 545 - 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 assessed through a group process. Systems for change will be developed utilizing personal influence and power. The workshop will also help participants acquire additional skill in expanding their knowledge and use of Reality Therapy in the educational environment. (Workshop Course)

Distribution: Advanced.

PSED 546 - 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 in the secondary classroom. This course will require a field experience of about 10 hours in a secondary setting.

Distribution: Advanced.

PSED 547 - Success-Oriented Reading: Whole Language Development (3 credits)

This course will provide opportunities for participants to explore the reading process from a variety of current viewpoints to help the participants develop their own personal classroom teaching programs and to put these ideas into practice. Prerequisite: ELED/PSED 581 or 582. (Workshop Course)

Distribution: Advanced.

PSED 548 - Reality Therapy in The Classroom (3 credits)

This workshop is designed to increase proficiency in the use of Reality Therapy in the classroom. (The course presumes an understanding of philosophy and basic steps.) Emphasis will be placed on acquiring the skills in the implementation of the Reality Therapy approach in the educational environment. Prerequisite: ELED/PSED 582. (Workshop Course)

Distribution: Advanced.

PSED 549 - 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. Prerequisite: PSED 581. (Workshop Course)

Distribution: Advanced.

PSED 552 - Together: Mainstreaming in the Schools (3 credits)

The purpose of the workshop is to cause meaningful interaction of special and regular educational teachers. Their interaction enables teachers to review and to develop positive models for their particular schools that allow for exceptional and non-exceptional children to learn together and respect and know each other. A major emphasis will be to devise, through group interaction, a plan for implementation of mainstreaming in the particular schools. The course is cross-listed with ELED 552 and SPED 552. (Workshop Course)

Distribution: Advanced.

PSED 553 - 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 learning styles. Prerequisites: ELED 232/PSED 242. Graduate Prerequisites: ELED 581, PSED 541.

Distribution: Advanced.

PSED 554 - Foundations of Curriculum Construction (3 credits)

This course is designed for teachers, chairs, or supervisors who are interested in shaping curriculum development (K-12) and responsible for its evaluation. The theory for planning change in curriculum and evaluating the effects of curriculum will be viewed with concern being given to gathering evidence of need for change, research in

change, models for initiating change, and models/theories for evaluating present and changing curriculum. Prerequisite: Graduate standing. Not for general education.

Distribution: Advanced.

PSED 555 - Practicum in Curriculum Development (3 credits)

This is a course designed to permit individuals or groups (K-12) to work on specific problems in curriculum development and/or implementation, including curriculum planning, selection and construction, implementation of new courses, curriculum and programs, development of proposals for change, and in-service projects. Teams from schools are encouraged to enroll. (Class hours arranged)

Distribution: Advanced.

PSED 556 - Co-Operative 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 cooperative learning. Class experiences produce new teaching plans based on control theory and demonstrate that learning teams can provide top achievement, and provide methodology for critical thinking and problem solving. (Workshop Course)

Distribution: Advanced.

PSED 557 - 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 exhibit 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. Prerequisites: PSED 161, 242. (Workshop Course)

Distribution: Advanced.

PSED 559 - 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 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. (Workshop Course)

Distribution: Advanced.

PSED 560 - Seminar in Research in Curriculum and Instruction (3 credits)

This is a graduate seminar in current research developments in the field of curriculum and instruction. The techniques and literature of research will be employed to analyze the stability and direction of developmental trends in curriculum and instruction.

Distribution: Advanced.

PSED 565 - Curriculum Development Middle School (3 credits)

Designed to meet the needs of teachers who are developing programs and materials for the middle school, emphasis is placed upon the process of curriculum planning; objectives of education, diagnosis of curriculum development, selection of curriculum experiences, organization, and evaluation of curriculum content.

Distribution: Advanced.

PSED 566 - Teaching of Social Studies in the Secondary School (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 the secondary schools. Stress is placed on new developments in the field and on experience in applying concepts and methods learned. Prerequisites: PSED 510, 516.

Distribution: Advanced.

PSED 570 - Field Assessment Education (3 credits)

This course is a performance-based assessment of proficiency in education in which observations are made of specified professional skills in actual classroom situations. It includes interaction analysis, videotaping, and conferences. Prerequisite: Completion of 15 graduate credits. (Class hours arranged)

Distribution: Advanced.

PSED 571 - Independent Research Problem (1 credit)

This course is designed to assist students in the selection of an important problem in secondary education. Using recent methods in research techniques, the student will complete a faculty-approved research project. Prerequisite: ELED 570.

Distribution: Advanced.

PSED 572 - Seminar in Secondary Education III (1 credit)

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 with PSED 521 – Seminar in Secondary Education II. This experience will provide students with the opportunity to select an appropriate research model and design a research project that will enhance pedagogical practice. Students enrolled in PSED 572 will implement the plan and evaluate results for application in the classroom. Prerequisite: Concurrent enrollment in PSED 521 and successful completion of PSED 520.

Distribution: Advanced.

PSED 573 - Field Experience in Educational Leadership (3 credits)

The professional field experience in educational leadership is designed to provide administration certification candidates with advanced level theory seminars and 120 hours of practical experience in a school setting during which the candidate will develop administrative leadership competencies based on the standards recommended by the Interstate School Leaders License Consortium and the NJ/PA Departments of Education. The candidate will be supervised by an ESU faculty person and a field-based administrator. A portfolio is required at the completion of the course.

Distribution: Advanced. Prerequisite: PSED 516 AND PSED 554 AND PSED 515 AND PSED 584 OR ELED 592 OR PSED 588 OR PSED 590 OR PSED 510 OR PSED 595 OR PSED 596.

PSED 574 - Field Experience in School Organization and Management (3 credits)

The professional field experience in educational leadership is designed to provide administration certification candidates with advanced level theory seminars and 120 hours of practical experience in a school setting during which the candidate will develop administrative competencies in school organization and management based on the standards recommended by the Interstate School Leaders License Consortium and the NJ/PA Departments of Education. The candidate will be supervised by an ESU faculty person and a field-based administrator. A portfolio is required at the completion of the course.

PSED 575 - Field Experience in Curriculum and Student Achievement (3 credits)

The professional field experience in educational leadership is designed to provide administration certification candidates with advanced level theory seminars and 120 hours of practical experience in a school setting during which the candidate will develop administrative competencies in curriculum development and the relation of curriculum to student achievement based on the standards recommended by the Interstate School Leaders License Consortium and the NJ/PA Departments of Education. The candidate will be supervised by an ESU faculty person and a field-based administrator. A portfolio is required at the completion of the course.

Distribution: Advanced.

PSED 576 - Teaching Strategies for Secondary Teachers (3 credits)

Endeavors to redesign instruction in order to make maximum learning more accessible to every pupil. Methods for developing a personal instructional system which fits the subject and the pupils will be outlined.

Distribution: Advanced.

PSED 577 - IS: (1 - 12 credits)

Under the auspices of a qualified member of the faculty of the Graduate School, the student pursues a pattern of readings, study, and research related to professional knowledge and understanding in Professional or Secondary Education. Topics should be established prior to enrollment. Prerequisite: Approval of the department chair.

Distribution: Advanced.

PSED 579 - Current Trends in Secondary Education (3 credits)

This course serves as a basic and comprehensive source on current trends and innovative practices in the secondary schools. New opportunities and responsibilities for students, modifications of the traditional organization, alternative high schools, and places for learning beyond the schoolhouse are but a few areas that are discussed.

Distribution: Advanced.

PSED 580 - Professional Assessment in Secondary Education (3 credits)

Professional Assessment is designed to cause and to facilitate self-assessment coupled with assessment from the field (where the educator is employed) and assessment by the university. The student will become thoroughly involved in the procedure of self-assessment and will in fact be introduced to degree program competencies (master teacher competencies). The self and external professional assessment will lead to individualized professional development, competency mastery, and to degree obtainment. Prerequisite: Undergraduate degree; admission to graduate school. (Class hours arranged)

Distribution: Advanced.

PSED 584 - Middle and High School Curriculum (3 credits)

This course deals with the overriding educational philosophy which governs curriculum formation. The decision-making process in curriculum improvement will be evaluated; processes for curriculum improvement will be reviewed and/or developed; and evaluative techniques will be identified.

Distribution: Advanced. Prerequisite: PSED 554.

PSED 585 - Educational Administration (3 credits)

An introduction and overview of the public school system and its management. The course provides for the orientation of prospective and current educational administrators for their roles of leadership. The course also requires field experiences in administration. Prerequisite: Graduate standing.

Distribution: Advanced.

PSED 586 - Teaching of Communications in the Secondary Schools (3 credits)

Teaching of Communications addresses the presentation of methods and materials in 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. Prerequisites: PSED 510, 516.

Distribution: Advanced.

PSED 587 - School Community Relations (3 credits)

This course presents public relations as a comprehensive concept of interpretation for the public schools. Tenets, means, agents, and agencies to produce increased social understanding and appreciation of the educational function among school personnel and the general public are discussed.

Distribution: Advanced.

PSED 588 - School Law (3 credits)

This course is an analysis of the legal rights, responsibilities, and liabilities of student, parent, teacher, administrator, and school board. Consideration is given to the statutes, school code, and court decisions which affect education and all persons related to the education process.

Distribution: Advanced.

PSED 589 - Supervision Student Teachers (3 credits)

Attention is focused on an analysis of the various functions of the cooperating teacher while working with elementary or secondary student teachers. Emphasis is placed upon new techniques for working with student teachers, systems for recording, analyzing and reporting classroom teaching behavior, understanding the needs of student teachers, and individualizing student teaching experiences. Prerequisite: Bachelor's degree and a teaching certificate.

Distribution: Advanced.

PSED 590 - Supervision of Instruction (3 credits)

This course is an introduction to the theory and function of supervision in the modern public school system, K-12. Application of emerging concepts and principles of modern school supervision to practical situations in which administrators, supervisors, coordinators, and teachers are working are presented.

Distribution: Advanced.

PSED 591 - Elementary School Administration (3 credits)

This course is an introduction to the theory and function of supervision in the modern public school system, K-12. Application of emerging concepts and principles of modern school supervision to practical situations in which administrators, supervisors, coordinators, and teachers are working are presented.

Distribution: Advanced.

PSED 592 - The Middle School (3 credits)

This course deals with administrative problems and practices related to the organization, operation, and program of the middle school and the junior high school.

Distribution: Advanced.

PSED 593 - Teaching Techniques in the Middle School (3 credits)

This course is designed to meet the needs of faculties, which are making a transition to the middle school program. Emphasis is placed upon developing programs and materials for a middle school. Topics include open-concept teaching; individualizing and personalizing instruction; team approaches; a review of IPI, PLAN, CPL and CAI models; preparing learning centers and developing learning activity packets and evaluating student progress.

Distribution: Advanced.

PSED 594 - Secondary School Administration (3 credits)

This course is designed to meet the needs of faculties, which are making a transition to the middle school program. Emphasis is placed upon developing programs and materials for a middle school. Topics include open-concept teaching; individualizing and personalizing instruction; team approaches; a review of IPI, PLAN, CPL and CAI models; preparing learning centers and developing learning activity packets and evaluating student progress.

Distribution: Advanced.

PSED 595 - Elementary and Secondary Educational Leadership (3 credits)

An overview of the elementary and secondary school principalship. This course addresses the philosophical, social, and educational context in which the school and the principal function. The role of the principal, position responsibilities, professional trends, and opportunities for professional growth are examined. Students may not take both this course and PSED 591/594 for degree or certification credit. Prerequisites: PSED 585 and PSED 588

PSED 596 - School Finance (3 credits)

This is an introduction to the principles and structure of financing public education. The theory and practice of educational finance are examined from the point of view of problems of the local budget, the state's responsibility, taxation, and the effect of financial support upon the quality of the educational program. New concepts and emerging trends of public school finance are studied.

Distribution: Advanced.

PSED 597 - School Plant (3 credits)

This course involves a study of problems involved in the planning construction, operation, and maintenance of the school plant.

Distribution: Advanced.

PSED 598 - Trends in Secondary Mathematics Education (3 credits)

This course will examine current and proposed secondary mathematics curricula and models of teaching and learning mathematics. Major foci will be mathematical problem-solving and integrating technology into the mathematics curriculum.

Distribution: Advanced.

PSED 599 - Teaching Mathematics Using Technology (3 credits)

Designed for in-service secondary mathematics teachers. Participants will learn how to use graphing calculators and computer algebra and geometry systems, how to incorporate them into their classrooms and how the mathematics that they teach will change as a result of the availability of technology.

PSED 599T - Professional and Secondary Education Graduate Transfer (1 - 6 credits)

Designed for in-service secondary mathematics teachers. Participants will learn how to use graphing calculators and computer algebra and geometry systems, how to incorporate them into their classrooms and how the mathematics that they teach will change as a result of the availability of technology.

Public Health/Community Health Education

College of Health Sciences

Department of Health Studies

DeNike 250

570-422-3702

www.esu.edu/gradhlth

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Master in Public Health and Community Health Education

45 credits

Purpose of Degree

The master of Public health (MPH) graduate program, with a focus in Community Health Education, prepares students to enter the dynamic and challenging field of public health as research practitioners working in the prevention of disease and improving the quality of life in communities.

Through a well-integrated program of study, students receive instruction in the core public health disciplines of:

- Biostatistics
- Environmental Health
- Epidemiology
- Public Health Administration
- Social & Behavioral Sciences

The MPH program provides students with a variety of opportunities to study the intersection of the social behavioral sciences,

information technology, human behavior, organizational and community systems, and policy development.

With the focus in Community Health Education, graduates are eligible to sit for the Certified Health Education Specialist (CHES) exam. This certification indicates that they have the requisite skills in developing, planning, implementing and evaluating programs. Our MPH program is accredited by CEPH; thus, students are also eligible to sit for the Certification in Public Health (CPH) exam.

National Accreditation

The MPH program is accredited by the Council on Education for Public Health (CEPH) through 2020.

CEPH is the independent agency recognized by the U.S. Department of Education to accredit schools of public health and certain public health programs. CEPH accreditation attests to the quality of an educational program that prepares professionals for entry into the public health field.

Accreditation also provides assurance to students that the school or program has been evaluated and has met accepted quality standards established by and within the profession. Our accreditation provides potential employers with assurances that our training program covers the essential public health skills and knowledge needed for achieving success in today's public health arena.

Mission Statement

The faculty are heavily involved in scholarly service to the field of public health as well as conducting research to facilitate solving public health problems. Faculty members conduct this work at the national, state and local level.

Examples of faculty research include: social marketing strategies and tobacco control; the use of social marketing and social media in improving health literacy; evaluating asthma and diabetes prevention programs; providing technical assistance and evaluation/outcomes research in chronic disease prevention; conducting community-based substance abuse prevention initiatives; using health informatics and information technology applications in public health and prevention, to name a few.

Faculty members are actively engaged in research and seek to collaborate with graduate assistants and other students. A number of these students, some supported by research assistantships, are integrally involved in these projects.

PROGRAM OF STUDY

The Master of Public Health degree in Public Health and Community Health Education is a 45-credit program that includes a six-credit (300 hours) internship requirement and a requirement to conduct research resulting in a publishable quality paper.

Because the program combines traditional public health course work with professional training in community health education, graduates are well prepared to work in a variety of public health settings, or continue on for doctorate work.

Graduates work in program development, implementation, and evaluation of population based prevention programs to promote healthy behaviors and prevent disease as well as developing health policies that protect citizens from risk factors associated with negative health outcomes.

Students who enter the program typically have backgrounds in a variety of social service occupations with undergraduate and/or graduate degrees in the social behavioral sciences (such as health education, psychology, anthropology or sociology), as well as

nursing, medicine, biology, and various other fields. No specific undergraduate degree is required for admission.

PROGRAM REQUIREMENTS

Required courses:

HLTH 509	Skills for Applied Community Health Practice	2
HLTH 537	Community Health Practice for Health Educators	3
HLTH 538	Health Policy and Administration	3
HLTH 553	Health Ethics Policy & Law	3
HLTH 555	Health Education Evaluation	3
HLTH 557	Computers Applications in Health Education	3
HLTH 560	Scientific Foundations of Health Behavior	3
HLTH 561	Epidemiology	3
HLTH 562	The Physical Environment and Community Health	3
HLTH 563	Public Health Measurement Sciences	3
HLTH 570	Introduction to Research	3
HLTH 571	Health Education Research Problem	1 - 3
HLTH 581	Public Health Seminar	1
HLTH 586	Field Experience and Internship	3 - 12
	3 credits of electives from 500 level health course work	

Additional Requirement:

- Bachelor's degree
- Undergraduate minimum GPA of 3.3
- Three letters of reference
- Personal statement
- GRE Scores: While the program takes a portfolio approach to admissions, scoring 143 or higher on both the verbal and quantitative sections (new scale) of the test or a minimum total score of 285 is desired (concordant scores on the old scale will also be accepted). MCAT or GMAT can be used in lieu of GREs, with a minimum MCAT score of 19.0 or a minimum GMAT score of 400 required. For students completing the Public Health Certificate with grades of at least a "B" in all requirements, do not require GRE scores. TOEFL Scores are required for International Students (580 for paper; 233 for computer test; 90 for Internet test). Minimum IELTS Scores: Band Score = 7.

Final graduation requirement

All MPH graduate candidates will be required to complete a comprehensive oral exam at the end of their coursework along with submission and presentation of a publishable quality research paper.

Graduate Assistantships

Graduate assistantships are available through the department and other departments and programs on campus. These are awarded based upon merit and achievement to full-time students in the graduate program.

Graduate assistants do not teach classes, but complete projects and tasks assigned by professors. Graduate assistantships are awarded for the first and/or second year of full-time study. Graduate assistants are evaluated each semester, with continuation contingent on acceptable performance. Prospective students should apply for a graduate assistantship at the time of original application to the program, using the application form provided by the office of Graduate Studies.

Public Health Certificate

PROGRAM OF STUDY

18 credits

Required courses

HLTH 538	Health Policy and Administration	3
HLTH 560	Scientific Foundations of Health Behavior	3
HLTH 561	Epidemiology	3
HLTH 562	The Physical Environment and Community Health	3
HLTH 563	Public Health Measurement Sciences	3
HLTH 586	Field Experience and Internship	3 - 12

Reading

College of Education

Reading Department

Stroud Hall 112

570-422-3416

www.esu.edu/gradreed

Reading Faculty

Graduate Coordinator:

Mary Beth Allen, Ed.D., (mballen@esu.edu)

Professors:

Maureen McLaughlin, Ed.D., (mmclaughlin@esu.edu)

Mary Beth Allen, Ed.D., (mballen@esu.edu)

Assistant Professors:

Shawn L. Watkins, Ed.D., (swatkins1@esu.edu)

Reading M.Ed.

36 credits

Program Purpose

The Reading Department of East Stroudsburg University offers an online graduate program of study leading to a Master of Education (M.Ed.) in Reading, which qualifies students for the Pennsylvania Reading Specialist Certificate. This certificate enables a teacher to provide reading instruction in kindergarten through grade 12. Out-of-state graduates will need to check with their state's Department of Education to see if this program will fulfill the requirements for similar certificates/endorsements.

The mission of the Master of Education in Reading is to create a diverse community of educators dedicated to continuously advancing the teaching of reading, emerging literacies, and research in an ever-changing global society. Essential components, which are embedded in the Mission, include knowledge of the foundational components of reading, varied research and creative opportunities, integration of traditional and emerging technologies, challenging and contemporary curricula, and culturally responsive teaching, leadership, and service.

National Accreditation

National Council for Accreditation of Teacher Education (NCATE)

Student Learning Outcomes

Upon completion of the Master of Education in Reading, graduates will be able to:

- Base their teaching on the major theories of reading and their relationship to various models of literacy instruction.
- Develop a personal philosophy of literacy development and instruction.
- Teach reading to K-12 students.
- Work cooperatively and collaboratively with other professionals in planning programs to meet the needs of diverse populations of learners.
- Put literacy theory into practice in a variety of educational contexts.
- Integrate reading, writing, speaking, listening, and viewing across the curriculum.
- Differentiate instruction based on students' needs.
- Use multiple, appropriate procedures to assess and evaluate students' effort, progress, and achievement in literacy.
- Investigate and implement research on current practices in literacy instruction.
- Use technology and new digital literacies as natural components of teaching and learning.
- Provide leadership in student advocacy.
- Communicate and work collaboratively with parents, teachers, administrators, and community personnel in a literacy program.

Please note: Beginning in September 2013, in compliance with a directive from Pennsylvania Department of Education, all candidates are required to complete (or submit official transcripts to document that they have completed) the "9+3" Chapter 49 requirements. This means that candidates will need to complete 9 credits that address specific Special Education competencies and 3 credits that address English Language Learner competencies.

Please note-The Reading Department's "9+3" courses are:

REED 520 Teaching Reading to Students with Disabilities

SPED 550 Nature and Needs of Diverse Learners

SPED 551 Inclusionary Practices

REED 521 Reading and Language Development for Diverse Learners.

Please discuss your "9+3" status with your graduate adviser at the start of your program.

PLAN OF STUDY

Required Courses:

REED 521	Reading and Language Development for Diverse Learners	3
REED 522	Theoretical Models and Literacy Processes	3
REED 523	Analysis of Instructional techniques in Reading	3
REED 524	Reading Clinic Practicum	6
REED 526	Organization, Implementation, and Evaluation of School Reading Programs	3
REED 528	Teaching Content Area Reading to Diverse Learners	3
REED 529	Assessment and Evaluation of Literacy	3
REED 580	Research Problems in Reading	3

Additional courses for students who have met SPED competencies

9 credits of electives from the following, or other elective(s) approved by the Graduate Coordinator.

REED 520	Teaching Reading to Students with Disabilities	3
REED 530	Teaching Reading through Young Adult Literature	3
REED 533	Early Literacy	3
REED 575	Reading Colloquium	3

Additional courses for students who do not have the required SPED competencies

REED 520	Teaching Reading to Students with Disabilities	3
	Or	
SPED 520	Teaching Reading to Students with Disabilities	3
SPED 550	Nature and Needs of Exceptional Individuals	3
SPED 551	Inclusionary Practices	3

Final Program Requirement:

Electronic Portfolio and Research Paper

Graduate students in the master's degree program, which includes Reading Specialist Certification, must complete the requirements established by the faculty that meet the standards of the Pennsylvania Department of Education for the Pennsylvania Reading Specialist Certificate and the National Council for Accreditation of Teacher Education (NCATE).

Typical time to finish

As a full-time student, a candidate for the Master of Education can usually complete the program in one calendar year. Part-time students must complete the program in six-years. The program's classes are offered synchronously and asynchronously to accommodate graduate students' busy schedule.

Timeframe for Completion of Program

As a full-time student, a candidate for the Master of Education can usually complete the program in one calendar year. Part-time students are subject to a six year time limit. The program's classes are offered asynchronously to accommodate graduate students' busy schedule.

Reading Specialist Certification Preparation

Purpose of Program

The Reading Department of East Stroudsburg University offers an online graduate program of study leading to the Pennsylvania Reading Specialist Certificate. This certificate enables a teacher to provide reading instruction in kindergarten through grade 12. Out-of-state graduates will need to check with their state's Department of Education to see if this program will fulfill the requirements for similar certificates/endorsements.

The mission of the Reading Specialist Certificate Program is to create a diverse community of educators dedicated to continuously advancing the teaching of reading, emerging literacies, and research in an ever changing global society. Essential components, which are embedded in the Mission, include knowledge of the foundational components of reading, varied research and creative opportunities, integration of traditional and emerging technologies, challenging and contemporary curricula, and culturally responsive teaching, leadership, and service.

PLAN OF STUDY

The Reading Specialist consists of 27 credit hours of required course work. Candidates for Pennsylvania Reading Specialist Certification also complete the Pennsylvania Department of Education's Chapter 49 requirements, which includes nine credits of Special Education, or a total of 36 certification credits. The nine credits of Special Education include: REED 520 Teaching Reading to Students with Disabilities, SPED 550 Nature and Needs of Exceptional Individuals, SPED 551 Inclusionary Practices. Please note that Chapter 49 also requires three credits of teaching English learners, which is fulfilled when candidates take REED 521- Reading and Language Development for Diverse Learners.

Sequence of Required Courses:

REED 523	Analysis of Instructional techniques in Reading	3
REED 522	Theoretical Models and Literacy Processes	3
REED 521	Reading and Language Development for Diverse Learners	3
REED 526	Organization, Implementation, and Evaluation of School Reading Programs	3
REED 528	Teaching Content Area Reading to Diverse Learners	3
REED 529	Assessment and Evaluation of Literacy	3
REED 580	Research Problems in Reading	3
REED 524	Reading Clinic Practicum	6

Final Program Requirement:

Electronic Portfolio

Admissions Requirements

For admission into the Master of Education (M.Ed.) in Reading, candidates must meet Graduate Studies admission requirements and deadlines. Additionally, admission into the Reading Specialist Certification Preparation program requires an Instructional I Pennsylvania teaching certificate and a GPA of 3.0. The Department of Reading allows students to begin their program in any semester.

Graduate Assistantships

Graduate assistantships are available through the department. These are awarded based upon merit and achievement to full-time students in the graduate program.

Graduate assistants do not teach classes, but they assist with research and complete projects assigned by professors. Responsibilities of the graduate assistant may include conducting research, assisting with preparing class materials, and proofreading.

Graduate assistantships are awarded for the first year of full-time study, with the possibility of extension through the first summer. Prospective students should apply for a graduate assistantship at the time of original application to the program, using the application form provided by Graduate Studies or online.

REED - Reading

REED 500 - ST: (3 credits)

This course consists of directed research and study on an individual basis

Distribution: Advanced.

REED 520 - Teaching Reading to Students with Disabilities (3 credits)

This course prepares teachers to use explicit, scaffolded instruction to effectively teach reading to students with disabilities. The course emphasizes research-validated literacy interventions and evidence-based instructional practices. It focuses on the components of reading and writing that pose challenges for students with disabilities.

REED 521 - Reading and Language Development for Diverse Learners (3 credits)

This course examines the nature of reading and language development in the context of cultural and linguistic diversity. A variety of methods for developing language and teaching reading to culturally and linguistically diverse learners are also emphasized.

Distribution: Advanced.

REED 522 - Theoretical Models and Literacy Processes (3 credits)

In this course, students consider the historical perspective, the current theories, and the future directions of reading instruction. Participants examine diverse approaches to reading, engage in productive discussion, and explore the research knowledge base from which reading educators work.

Distribution: Advanced.

REED 523 - Analysis of Instructional techniques in Reading (3 credits)

This course is a survey of the major areas of difficulty in the reading process, a study of the methods suitable for attaining desired goals in reading, and an evaluation of teaching materials.

Distribution: Advanced.

REED 524 - Reading Clinic Practicum (6 credits)

This course consists of a guided and supervised practical application of principles and theories of assessing and teaching reading. Competency prerequisites.

Distribution: Advanced.

REED 525 - Research Seminar Reading (3 credits)

This course provides an understanding of the best methods to use in interpreting and using research reports. It includes a study and evaluation of available research in the field of reading. Competency prerequisites.

Distribution: Advanced.

REED 526 - Organization, Implementation, and Evaluation of School Reading Programs (3 credits)

This course addresses the various roles of literacy professionals and delineates the responsibilities of reading specialists. It focuses on organizing, implementing, and evaluating reading programs. It also emphasizes professional development and reading curriculum analysis.

Distribution: Advanced.

REED 527 - Reading Content Areas (3 credits)

This course focuses on how teachers can help students understand content area texts and related materials. Reading as a thinking process, comprehension skill and strategy instruction, and the evaluation of instructional materials are emphasized in this course.

Distribution: Advanced.

REED 528 - Teaching Content Area Reading to Diverse Learners (3 credits)

This course provides opportunities for graduate students 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.

REED 529 - Assessment and Evaluation of Literacy (3 credits)

This course is designed to provide practice in the use of formal and informal assessments in appraising a child's abilities in reading and related areas. The creation of a Literacy Profile, which includes assessment results and diagnostic information serves as the basis for instructional practices. Competency prerequisites.

Distribution: Advanced. Prerequisite: REED 523.

REED 530 - Teaching Reading through Young Adult Literature (3 credits)

Participants in the course will examine how to engage young adults in the reading process through literature-based instruction. Among the topics to be addressed will be teaching reading through thematic units, the shared stages of reading and writing, literature-response methods, and developing reading strategies through a variety of literary genres.

Distribution: Advanced.

REED 532 - The Essentials of Literary Coaching (3 credits)

This is a foundational course designed to provide opportunities to learn about the numerous roles and responsibilities of literacy coaches. Emphasis is placed on topics such as coaching assessments,

data collection and analysis, and matching students with appropriate instructional materials. Prerequisite: REED 524.

Distribution: Advanced.

REED 533 - Early Literacy (3 credits)

This is a foundational course designed to prepare candidates to effectively teach literacy to children from birth to age 8. It includes a research-based theoretical framework and practical ideas for teaching emergent literacy. Topics emphasized include motivation and engagement, phonemic awareness, phonics, fluency, vocabulary, reading comprehension, and assessments.

REED 534 - Literary Coaching and Professional Development (3 credits)

In this course, candidates learn how to deepen their understanding of literacy coaching. Emphasis is placed on topics such as providing professional development on reading topics such as phonemic awareness, phonics, fluency, vocabulary, and comprehension, a major responsibility of literacy coaches. Prerequisite: REED 532.

Distribution: Advanced.

REED 546 - Learning to Read Through the Arts (3 credits)

This course prepares teachers to develop and use an individualized reading program designed to improve reading skills through the integration of a total arts program with a total reading program. Upon completion, participants are qualified to adopt the Learning to Read Through the Arts program of the U.S.O.E. National Diffusion Network. Accepted for general education.

Distribution: Advanced.

REED 547 - Success Orient Reading (3 credits)

The course provides opportunities for teachers to explore the reading process from a variety of current viewpoints and to help the participants develop their own personal classroom teaching programs to put these ideas into practice. The course is designed to stimulate new thinking, to have participants experience activities that can be used with students, and to give participants confidence in creating personalized reading activities and materials for their own students. Prerequisites: ELED/PSED 581 or ELED 582. This course is also listed as ELED/PSED 547.

Distribution: Advanced.

REED 550 - Foundations of Reading Recovery I (3 credits)

This course introduces the principles and procedures of the Reading Recovery program which is based on Marie Clay's theory of emergent and beginning literacy. The course is taught by a certified Reading Recovery Teacher Leader and is conducted at a Reading Recovery site. Enrollment is limited and departmental approval is required.

Distribution: Advanced.

REED 551 - Found Read Recovery II (3 credits)

This course extends and refines the student's understanding and use of the principles and procedures of the Reading Recovery program introduced in REED 550. The course is taught by a certified Reading Recovery Teacher Leader and is conducted at a Reading Recovery site. Enrollment is limited and departmental approval is required. Students who successfully complete both REED 550 and REED 551 will be certified as Reading Recovery Teachers.

Distribution: Advanced.

REED 565 - Special Topics In Reading (3 credits)

These courses deal with specific aspects of reading instruction to meet the needs of graduate students or to determine the value of

introducing them as part of the university curriculum. Competency prerequisites.

Distribution: Advanced.

REED 570 - Reading Workshop (1 credit)

A professional program designed to examine intensively current trends in reading instruction for in-service teachers.

Distribution: Advanced.

REED 575 - Reading Colloquium (3 credits)

This course addresses contemporary issues in reading. Designed to be taught in an interactive workshop format, Reading Colloquium emphasizes learning, application, and performance assessment.

Distribution: Advanced.

REED 577 - Independent Study In Reading (3 credits)

Under the auspices of a professor in the Reading Department, the student pursues a pattern of reading, study, and research related to professional knowledge and understanding in reading. Topics should be established prior to enrollment.

Distribution: Advanced.

REED 580 - Research Problems in Reading (3 credits)

The course is designed to assist the student in identifying important problems in the field of reading, critically analyzing available research, and synthesizing possible solutions. Competency prerequisites.

Distribution: Advanced.

REED 586 - Field Experience & Internship (3 credits)

The course is designed to assist the student in identifying important problems in the field of reading, critically analyzing available research, and synthesizing possible solutions. Competency prerequisites.

Distribution: Advanced.

REED 589 - Field Experience In Reading (3 credits)

This course is a field experience under the guidance of Literacy Coaches in the public schools and an ESU Reading Department faculty member. The students will (1) observe coaches in all phases on their work; (2) assist the Literacy Coaches; and (3) gradually assume responsibilities as the Literacy Coach deems feasible. Prerequisites: REED 532 and 534.

Distribution: Advanced.

REED 592 - Development of Professional Reading Supervisory Relationships (3 credits)

This course focuses on the in-depth study of the essential skills needed to determine classroom quality and student engagement in reading by evaluating critical aspects of instruction and assessment. Students actively participate in analyzing topics and evaluating instructional practices related to the reading supervisor role.

Distribution: Advanced.

REED 594 - Data-Driven Decision Making (3 credits)

This course focuses on collecting, understanding, and using literacy assessment data effectively to inform curriculum and instructional practices in reading. Students actively participate in analyzing and synthesizing research related to the data-driven decision making process and using that data to create and sustain plans for continued improvement in instruction.

Distribution: Advanced.

REED 596 - Seminar: Current Issues in Reading (3 credits)

This course focuses on the in-depth study of reading through the presentation and discussion of students' research findings. Students investigate, evaluate, and present research related to contemporary reading issues.

Distribution: Advanced.

REED 598 - Reading Supervisor Field Experience (3 credits)

This course is a field experience that focuses on candidates demonstrating what they have learned in the program under the guidance of reading supervisors in cooperation with a member of the ESU Reading Department Faculty. The candidates will (1) observe the reading supervisors in all phases of their work; (2) assist the Reading Supervisor as requested; and (3) assume responsibilities as the Reading Supervisor deems feasible.

Distribution: Advanced.

REED 599T - Reading Graduate Transfer (1 - 6 credits)

This course is a field experience that focuses on candidates demonstrating what they have learned in the program under the guidance of reading supervisors in cooperation with a member of the ESU Reading Department Faculty. The candidates will (1) observe the reading supervisors in all phases of their work; (2) assist the Reading Supervisor as requested; and (3) assume responsibilities as the Reading Supervisor deems feasible.

REED 90 - Reading Skills (3 credits)

This course is a field experience that focuses on candidates demonstrating what they have learned in the program under the guidance of reading supervisors in cooperation with a member of the ESU Reading Department Faculty. The candidates will (1) observe the reading supervisors in all phases of their work; (2) assist the Reading Supervisor as requested; and (3) assume responsibilities as the Reading Supervisor deems feasible.

Special Education

College of Education

Department of Special Education and Rehabilitation
Stroud Hall
570-422-3558
www.esu.edu/gradsped

Mission Statement

The mission of the Department of Special Education and Rehabilitative Services is to provide every student with the best preparation for meeting the needs of a diverse population of individuals and their families.

National Accreditation

The M.Ed. in Special Education is accredited by the National Council for the Accreditation of Teacher Education (NCATE).

Graduate Assistantships

Graduate assistantships are available through the department. These are awarded based upon merit and achievement to full-time students in the graduate program.

Special Education Faculty

Graduate Coordinator:

Diane Cavanagh, Ed.D., (cavanagh@esu.edu)

Professors:

Teri Burcroff, Ph.D., BCBA, (tburcroff@esu.edu)
 Domenico Cavauiuolo, Ph.D., (dcavauiuolo@esu.edu)
 Gina Scala, Ed.D., chair, (gscala@esu.edu)

Associate Professor

Caroline DiPipi-Hoy, Ph.D., (cdipipi-hoy@esu.edu)
 Heather Garrison, Ph.D., (hgarrison@esu.edu)

Special Education M.Ed.

Purpose of Degree

The M.Ed. in Special Education is designed for the candidate who holds certification in Special Education and is seeking to enhance and improve upon their professional practice.

PROGRAM OF STUDY

The program of study requires a core of M.Ed. course requirements (6 credits), and a core of Major course requirements (9 credits), five Major course electives (15 credits), and two Program electives (6 credits). This program can be combined with the Supervisory certification, the Applied Behavior Analyst certification, or an individually devised program designed with assistance from an academic adviser. The individually designed program takes into account the work experience and professional goals of the candidate to tailor the course work to the needs of the student.

Thesis option - 30 credits

M.Ed. Requirements 6 credits

ELED 570	Introduction to Research	3
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Select one of the following four:

PSED 504	Philosophy Of Education	3
PSED 509	History Of Education	3
PSED 510	Teacher- School and Community	3
PSED 511	Educational Sociology	3

Major Requirements 18 credits

SPED 551	Inclusionary Practices	3
SPED 572	Thesis I	3
SPED 574	Applied Behavior Analysis Prn I	3
SPED 576	Research Problem in Special Education	3
SPED 582	SEM: Current Issues	3
	And	
SPED	Elective	3
	Or	
SPED 573	Thesis II	3

Program Electives 6 credits

Select two courses from a related field.

Non-thesis option - 36 credits

M.Ed. Requirements - 6 credits

ELED 570	Introduction to Research	3
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Select one of the following four:

PSED 504	Philosophy Of Education	3
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PSED 509	History Of Education	3
PSED 510	Teacher- School and Community	3
PSED 511	Educational Sociology	3

Major Requirements - 24 credits

SPED 551	Inclusionary Practices	3
SPED 570	Collaboration in the Educational Process	3
SPED 582	SEM: Current Issues	3
SPED	Elective Seminar	6
SPED	Elective three courses	9

Program Electives - 6 credits

Select two courses from a related field.

Special Education Supervisory Certification

18 credits

Program Purpose

The Special Education Supervisory Certification Program is designed to prepare professionals to become special education leaders for programs in their schools, districts, intermediate units, or other related areas.

Program Description

The graduate Special Education Supervisory Certification program is for individuals who already possess a valid PA Instructional I or Instructional II Teaching Certificate and who have a minimum of five years of professional school experience in special education or a related field. This program is for teachers who want to qualify for Pennsylvania Supervisor of Special Education certification. Candidates holding an out of state certificate can only apply for PA state certification as a Supervisor of Special Education if they apply for and receive an initial certification through the Pennsylvania Department of Education.

Prerequisites

Prerequisite to admission in the Supervisory Certification program is a minimum of three years of special education teaching experience with an Instructional I or II certification in special education or an out-of-state equivalent, three letters of recommendation, and full admission to the Graduate School.

PROGRAM OF STUDY

Courses

SPED 570	Collaboration in the Educational Process	3
SPED 574	Applied Behavior Analysis Prn I	3
SPED 580	Administration & Organization of Special Education	3
SPED 589	Curriculum Issues in Special Education	3
SPED 596	Internship Special Education Supervision	3
PSED 590	Supervision of Instruction	3

Applied Behavior Analyst Certification

15 credits

Program Purpose

The Applied Behavior Analyst Certification program prepares the candidate for eligibility to apply to the Behavior Analyst Certification Board (BACB) for entrance into the Board Certification examination. The BACB currently offers the examination several times per year. Additional requirements are described by the BACB.

Description of Program

This program begins the sequence in the Fall session. The six- course sequence is then completed in three semesters.

Admissions

The ABA program submission deadline is March 1 for Summer admission.

Prerequisites

The Applied Behavior Analyst certification program can be completed as a concentration within a Master of Education for candidates holding certification in Special Education or as a stand-alone program for candidates holding a master's degree in Special Education or a related field.

PROGRAM OF STUDY

Courses

SPED 574	Applied Behavior Analysis Prn I	3
SPED 575	Applied Behavior Analysis Principles II	3
SPED 576	Research Problem in Special Education	3
SPED 577	Techniques in Applied Behavior Analysis	3
SPED 578	Organization Behavioral Management	3

Pre-K-8 and/or 7-12 Special Education Certification Preparation

Post-Baccalaureate Certification Preparation

30 credits

During initial advisement classes listed below will be selected to become the student's plan of study based on prior education and educational experiences. Student teaching will be required.

PROGRAM FEATURES:

Additional Requirements:

Must hold valid Pennsylvania PreK-4; Middle Level 4-8; K-6; K-12 certification or Reading Specialist.

Required Courses:

SPED 535	Classroom Diversity	3
SPED 550	Nature and Needs of Exceptional Individuals	3
SPED 551	Inclusionary Practices	3
SPED 554	Curriculum & Instruction for Individuals with Mild Disabilities	3
SPED 555	Curriculum & Instruction for Individuals with Moderate/Severe/Profound Disabilities	3
SPED 567	Families in Education Process	3
SPED 568	Early Intervention	3
SPED 570	Collaboration in the Educational Process	3

SPED 574	Applied Behavior Analysis Prn I	3
SPED 581	Measure & Evaluation in Special Education	3
SPED 584	SEM: Vocational & Career Education for Exceptional Individuals	3
SPED 591	Assistive Technology for Exceptional Individuals	3
SPED 595	Special Education Field Experience & Student Teaching	3

SPED - Special Education

SPED 500 - ST: (3 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.

SPED 520 - Teaching Reading to Students with Disabilities (3 credits)

This course prepares teachers to use explicit, scaffolded instruction to effectively teach reading to students with disabilities. The course emphasizes research-validated literacy interventions and evidence-based instructional practices. It focuses on the components of reading and writing that pose challenges for students with disabilities.

Distribution: Advanced.

SPED 535 - Classroom Diversity (3 credits)

This course encourages educators to identify their own values, prejudices, and goals; to examine their thoughts and/or misconceptions about culturally diverse communities. Designed to help them create school climates that celebrate diversity and meet the needs of students of different races, ethnicities, gender, and ability levels.

Distribution: Advanced.

SPED 540 - Language Arts Hndcpd (3 credits)

This course is designed to develop a knowledge of remedial techniques and special curricular considerations for teachers who work with individuals moderately, severely, or multiply disabled language impaired.

Distribution: Advanced.

SPED 550 - Nature and Needs of Exceptional Individuals (3 credits)

This course deals with individuals having educational impairments including: identification and etiological factors; psychoeducational needs of emotionally disturbed, mentally handicapped, learning impaired, or severely physically disabled persons; community and professional services. Required for those students with limited experience in special education.

SPED 551 - Inclusionary Practices (3 credits)

his course is intended for administrators, counselors, psychologists, curriculum supervisors, all teachers (regular, special), and school nurses concerned with proving appropriate educational experiences

for students with special education needs in regular educational setting. Required for special education certification.

SPED 552 - Mainstreaming in Schools (3 credits)

The purpose of the workshop is to cause meaningful interaction of special and regular education teachers. The interaction enables them to review and to develop positive models for their particular schools that allow for exceptional and non-exceptional children to learn together, to respect each other, to know each other. A major emphasis will be to devise, through group interaction, a plan for implementation of mainstreaming in the particular schools. The course is cross-listed with ELED 552 and PSED 552.

Distribution: Advanced.

SPED 553 - Creative Methods & Materials with Exceptional Individuals (3 credits)

At the graduate level this course is designed for in-service regular classroom teachers anticipating students with multiple disabilities included in their classrooms, special educators, and other degree-holding persons planning to work with individuals with exceptionalities in a rehabilitative setting. Emphasis is on a case-by-case analysis of client or student needs, and development of appropriate projects for their training and rehabilitation. Small additional fee.

Distribution: Advanced.

SPED 554 - Curriculum & Instruction for Individuals with Mild Disabilities (3 credits)

This course is designed to provide a basis for the development of individualized curriculum goals and instruction for students with mild disabilities.

Distribution: Advanced.

SPED 555 - Curriculum & Instruction for Individuals with Moderate/Severe/Profound Disabilities (3 credits)

This course is designed to provide a basis for the development of individualized curriculum goals and instructions for students with moderate/severe/profound disabilities.

Distribution: Advanced.

SPED 567 - Families in Education Process (3 credits)

The purpose of this course is to develop skills in working with parents of youths with exceptionalities. Attention will be given to conferencing, reporting, and instructing parents in the process of home training. Further attention will be given to directing parents toward community services and resources, developing school-initiated parent support groups.

Distribution: Advanced.

SPED 568 - Early Intervention (3 credits)

This course is designed to develop skills in the identification and referral of preschool-age children with exceptionalities, determining training targets for this group, implementing alternative programs for individuals with multiple disabilities, developing appropriate preschool training environments, and implementing an adapted curriculum.

Distribution: Advanced.

SPED 570 - Collaboration in the Educational Process (3 credits)

This course is designed to prepare special educators to function as consultants to regular education teachers and other school personnel. The use of consultation is reviewed at the pre-referral, referral, and mainstreaming level of service. The goals for this course

include student competence in consultation concepts and skills in working with classroom teachers.

Distribution: Advanced.

SPED 572 - Thesis I (3 credits)

This course consists of the development of a thesis topic and review of the literature, writing and editing of the thesis, and submission of the final paper to peer-reviewed journal. Prerequisites: ELED 570; SPED 566.

Distribution: Advanced.

SPED 573 - Thesis II (3 credits)

This course consists of the development of a thesis topic and review of the literature, collection of data, writing and editing of the thesis. Prerequisites: ELED 570; SPED 566.

Distribution: Advanced.

SPED 574 - Applied Behavior Analysis Prn I (3 credits)

This course will cover the basic concepts of behavior analysis as applied to a variety of situations in teaching individuals with exceptionalities. Classroom management utilizing nonaversive behavior management techniques will be presented. Open to all students of graduate standing.

Distribution: Advanced.

SPED 575 - Applied Behavior Analysis Principles II (3 credits)

This is an advanced examination of the basic principles of behavior and the development and application of each. This course will examine the principles of behavior in depth and focus on the use of these principles in applied settings with students and/or individuals with disabilities. The content of this course is determined by the Task List of the Behavior Analyst Certification Board. Prerequisites: SPED 574; permission of instructor.

SPED 576 - Research Problem in Special Education (3 credits)

This course will develop student awareness of critical issues in special education which have relevance for research concerns. Additionally, appropriate and feasible research designs and techniques are discussed within the framework of current special education methods and procedures. Required for Master's thesis. Prerequisites: ELED 570; SPED 574.

Distribution: Advanced.

SPED 577 - Techniques in Applied Behavior Analysis (3 credits)

This course will examine issues relevant to the development and application of interventions with individuals with low incidence disabilities. Specific interventions and strategies will be discussed. Content for this course was determined by the Task List of the Behavior Analyst Certification Board and the Council for Exceptional Children Knowledge and Skill Statements. Prerequisites: SPED 574, SPED 575, SPED 576; permission of instructor.

SPED 578 - Organization Behavioral Management (3 credits)

This course will examine issues related to service delivery, systems change, and the staff development in the application of applied behavior analysis. The content of this course was developed in accordance with the Task List of the Behavior Analyst Certification Board. Prerequisites: SPED 574, SPED 575, SPED 576, SPED 577; permission of instructor.

Distribution: Advanced.

SPED 580 - Administration & Organization of Special Education (3 credits)

The course is designed to review traditional and emerging leadership roles and organizational approaches in special education. The student will review, assess, and discuss implications of new mandates for human services. Objectives include evaluation of current delivery systems.

Distribution: Advanced.

SPED 581 - Measure & Evaluation in Special Education (3 credits)

This course utilizes a variety of measures to assess and evaluate the educational, behavioral, and developmental areas of students with exceptionalities using traditional and alternative assessment instruments based upon the results of these measures. Prerequisite: SPED 550.

Distribution: Advanced.

SPED 582 - SEM: Current Issues (3 credits)

This seminar is designed for all graduate students in the field of education who are interested in current issues arising out of litigation and legislated mandates within the field of special education. An emphasis will be placed upon issues which are presently affecting (and will continue to shape) services to learners with exceptionalities, regular and special education professionals, and administrators. Attention will also focus upon a class member's individual/professional concerns in the special education arena.

Distribution: Advanced.

SPED 583 - SEM: Emotionally Disturbed (3 credits)

The course will provide the student with a current overview of the field of education for students with emotional disturbances. Objectives include an awareness of conceptual models and program activities toward ameliorating impact of maladaptive behaviors. Prerequisite: SPED 550.

Distribution: Advanced.

SPED 584 - SEM: Vocational & Career Education for Exceptional Individuals (3 credits)

This course is designed to help the teacher to develop new skills and to find innovative means for career and vocational-technical planning and training with individuals with exceptionalities. Prerequisite: SPED 550.

Distribution: Advanced.

SPED 588 - SEM: The Resource Room (3 credits)

The course is designed to examine the Resource Room as an alternative delivery system in extending services to students with exceptionalities. Course work is designed to enhance students' skills in individualizing programs using diagnostic/prescriptive procedures. Prerequisite: SPED 550.

Distribution: Advanced.

SPED 589 - Curriculum Issues in Special Education (3 credits)

This course will focus on the development, implementation, and evaluation of special education curriculum. This will include problems of programming for students with exceptionalities; different curriculum approaches and review of research implications. Prerequisite: SPED 550 or enrolled in the Special Education Supervisory Certificate Program.

Distribution: Advanced.

SPED 590 - Seminar in Teaching the Learning Disabled (3 credits)

The purpose of this course is to broaden the in-service teacher's knowledge of the characteristics of the student with learning disabilities, instructional models and programmatic planning, solving real-life management problems, material problems, and teaching problems, in a sharing and seminar setting. Prerequisite: SPED 550.

Distribution: Advanced.

SPED 591 - Assistive Technology for Exceptional Individuals (3 credits)

This course describes the use of assistive technology services and devices as related services in the special education process. Emphasis is placed on consumer-driven technology selection and evaluation processes. Students will learn how to access assistive technology services as well as strategies for collaborating with experts in technology.

Distribution: Advanced.

SPED 592 - Seminar: Teaching Individuals with Physical Disabilities (3 credits)

The course deals with appropriate educational interventions. Teaching skills are complimented with medical and technical advances. Objectives include amelioration of effects of physical disabilities toward possible mainstreaming. Prerequisite: SPED 550.

Distribution: Advanced.

SPED 594 - SEM: Mental Retardation (3 credits)

This course will cover theories of intelligence, retardation, etiological factors of mental retardation, curriculum needs of mental retardation, methods and materials of instruction, an overview of career considerations, and emerging trends for adult services.

Distribution: Advanced.

SPED 595 - Special Education Field Experience & Student Teaching (3 credits)

During this experience, graduate students focus on analyzing pedagogical competencies and professional standards to enhance skills and strategies related to teaching and learning. Graduate students spend a minimum of 120 hours in an educational setting and meet regularly with their university supervisor to reflect upon their experiences, their professional development and strategies related to teaching and learning as well as opportunities for observation(s) in the field.

SPED 596 - Internship Special Education Supervision (3 credits)

This supervised field experience is designed to provide the candidate for the Special Education Supervisor certificate with field experiences in personnel supervision, assessment techniques with the exceptional population, budgeting and financing for special class operation, participating in child study team conferences, curriculum development, and due process. Prerequisite: All courses listed for the Supervisory Certificate Program.

Distribution: Advanced.

SPED 599T - Special Education Graduate Transfer (1 - 6 credits)

This supervised field experience is designed to provide the candidate for the Special Education Supervisor certificate with field experiences in personnel supervision, assessment techniques with the exceptional population, budgeting and financing for special class operation, participating in child study team conferences, curriculum development, and due process. Prerequisite: All courses listed for the Supervisory Certificate Program.

Sport Management

College of Business and Management

Department of Sport Management

210 Zimbar-Liljenstein Hall

570-422-3495

www.esu.edu/smgmt

mcameron@esu.edu

Sport Management Faculty

Graduate Coordinator:

Minjung Kim (mkim5@esu.edu)

Associate Professor:

Jaedeock Lee, Chair (jaedeock@esu.edu)

Sport Management M.S.

34 - 37 credits

Purpose of Degree

The purpose of the Master of Science degree in Sport Management is to offer graduate level instruction based in theory while providing opportunities to apply competencies to practical settings.

The Master of Science degree program in Sport Management prepares students for professional careers in the sport management industry. Students who successfully complete the program pursue career interests that may range from athletic administration in public and private schools, colleges, and universities, to the private sector, including sport clubs and professional athletics. This program requires an on-site internship of at least seven credit hours and the successful completion of the Sport Management Comprehensive Examination.

In summary, the Master of Science in Sport Management prepares graduates to enter a complex, changing global world with competence and confidence. The area of study is consistent with the North American Society of Sport Management (NASSM) review protocol.

Student Learning Outcomes

This program is structured in accordance with emerging National Association of Sport and Physical Education (NASPE) and the North American Society for Sport Management (NASSM) Guidelines.

Specifically, students graduating from the Master of Science Degree program in Sport Management will be able to:

1. Apply content knowledge of the professions of sport management and business management to an internship experience.
2. Prior to the beginning of their internship experience, apply knowledge of the sport management profession and demonstrate the appropriate skills of the sport management profession.
3. Demonstrate competencies associated with the contemporary field of sport management (e.g., ability to perform the various management functions.)

PROGRAM OF STUDY

Student Qualifications • Undergraduate Prerequisites Support • Advisement

Prospective students should possess a common body of knowledge essential for successful advanced study in sport management. This body of knowledge typically includes undergraduate coursework or life experience contributing to a foundation of knowledge in the following areas: sport studies; health and physical education; and hotel and tourism.

Typical time to finish:

Students enrolling in the program on a full-time basis will have an opportunity to complete the required coursework within a full academic year and, depending on their internship and other program requirements, will typically complete all degree requirements in three full semesters.

ILLUSTRATIVE PLAN OF STUDY

All graduate students pursuing a Master of Science degree with a major in Sport Management will complete the following coursework (minimum 34 total credits required):

The minimum course requirements are as follows:

Required core courses

27 credits coursework, 7-10 credits internship:

SMGT 513	Advanced Research Methods	3
SMGT 519	Sport and Society	3
SMGT 523	Administration: Physical Education Sport Programs	3
SMGT 546	Planning and Management of Sport Facilities	3
SMGT 547	Sports Business & Finance	3
SMGT 548	Sports Marketing	3
SMGT 549	Sports and the Law	3
SMGT 550	Sport Personnel Management	3
SMGT 570	Introduction to Research	3
SMGT 586	Field Experience & Internship	3 - 12

Elective courses

Students may choose the following elective coursework:

SMGT 551	Application of Computers to Sport Management	3
SMGT 553	Ethical Issues in Sport Management	3
SMGT 559	Public Relations in Sports Management	3

Final graduation requirement

Students are required to take a comprehensive exam based on the required coursework.

Admissions Requirement and Deadlines

Students will be admitted to the program based on demonstration of an academic record that fulfills the existing Graduate Studies criteria required for admission. Additional supporting documents include successful completion of the GRE and/or GMAT exams. Students applying for admission to the Master of Science degree program in Sport Management are strongly encouraged to apply by March 15 before the academic year in which they are seeking admission.

Graduate Assistantships

Graduate assistantships are available through the department. These are awarded based upon merit and achievement to full-time students

in the graduate program. Graduate assistants do not teach classes, but complete projects and tasks assigned by professors.

The graduate assistantship is awarded for the first year of full-time study, with the possibility of extension through the first summer. Prospective students should apply for a graduate assistantship at the time of original application to the program, using the application form online.

For more information, contact: Dr. Minjung Kim, at 570-422-3316 or by e-mail at mkim5@esu.edu.

SMGT - Sport Management

SMGT 506 - Theory & Teaching 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. Prerequisite: 96 credits.

Distribution: Advanced.

SMGT 513 - Advanced Research Methods (3 credits)

This course is designed to provide the student basic statistical techniques for analyzing and interpreting data for research in sport management and related disciplines. The course will emphasize practical issues related to planning, conducting, and interpreting research in sport management.

Distribution: Advanced.

SMGT 515 - The American Woman in Sport (3 credits)

The American woman in sport, including the history of her participation, relationship to changing female roles and ideals will be studied. Also attitudes toward competition for women, roles of women's sport organizations, and motivations of sportswomen examined.

Distribution: Advanced.

SMGT 518 - Philosophy & Physical Education (3 credits)

This course is a review of contemporary philosophical positions and implications for professional decision-making in physical education. Focus is upon an awareness and a concern for the development of the student's personal professional philosophy.

Distribution: Advanced.

SMGT 519 - Sport and Society (3 credits)

The nature, function, and relationships of sport and society with reference to the consideration of sport in social and cultural context, the social variables which affect participation are studied.

Distribution: Advanced.

SMGT 523 - Administration: Physical Education Sport Programs (3 credits)

This course employs a theoretical approach to the development of administrative thought as it relates to physical education and sport programs; emphasis is on the understanding of concepts and models from the social sciences, and their implications for leadership in the educational setting.

Distribution: Advanced.

SMGT 525 - Psychology of Human Performance (3 credits)

This course treats the research and theoretical consideration of the psychological variables in human performance, with special reference to the body self in movement, and the psychology of sport.

Distribution: Advanced.

SMGT 546 - Planning and Management of Sport Facilities (3 credits)

The course is designed to provide the student with knowledge of the planning and management of facilities for physical education, athletic, and intramural/recreational programs. Buildings, grounds, and equipment, as well as maintenance of these facilities will be discussed. Students will visit and tour a facility. The course is designed to provide the student with knowledge of the planning and management of facilities for school physical education, athletic, and intramural/recreational programs. Buildings, grounds, and equipment, as well as maintenance of these facilities will be discussed. Students will visit and tour a facility.

Distribution: Advanced.

SMGT 547 - Sports Business & Finance (3 credits)

This course is designed to provide the student with knowledge of the business and financial considerations of various sports enterprises.

Distribution: Advanced.

SMGT 548 - Sports Marketing (3 credits)

The course is designed to provide the student with knowledge of sport marketing as it relates to spectator and participant. It will also give the student knowledge and understanding of the marketing considerations of various sport organizations. Fund raising applications will also be discussed.

Distribution: Advanced.

SMGT 549 - Sports and the Law (3 credits)

The focus of this course will be on legal concepts and principles related to the administration, coaching and teaching of sports. Legal issues involving personnel, facilities, equipment, transportation, medical aspects, liability and gender will be examined. Legal terminology and the court systems will be included.

Distribution: Advanced.

SMGT 550 - Sport Personnel Management (3 credits)

This course focuses on various leadership styles, managerial communication and interaction skills and their relative effectiveness in sport organizations. Attention is directed to specific personnel tasks such as hiring, development and evaluation of sport staff, and personnel issues of current importance.

Distribution: Advanced.

SMGT 551 - Application of Computers to Sport Management (3 credits)

This course is designed to provide students with computer knowledge and skills applicable to sports management. The advantages and application of computers in sports programs will be emphasized. Opportunities for understanding and running existing computer programs will be provided. This course is also offered through summer Home Study.

Distribution: Advanced.

SMGT 553 - Ethical Issues in Sport Management (3 credits)

This course will focus on the identification of ethical issues in sports situations, analyzing the actions and decisions as to value orientations and ethical stance, and identifying and formulating a consistent ethical base for one's own functioning as a sport administrator.

Distribution: Advanced.

SMGT 559 - Public Relations in Sports Management (3 credits)

This course will focus on public relations concerns specific to athletic administrators, managers of sport facilities, and coaches. Content includes establishing a framework for public relations processes, communicative tools and techniques, and relationships with the media.

Distribution: Advanced.

SMGT 570 - Introduction to Research (3 credits)

This course provides students with a broad overview of graduate study and research in sport management. This course is designed to acquaint the graduate student with the methods and materials of graduate study and scientific inquiry.

Distribution: Advanced.

SMGT 571 - Independent Research (1 credit)

This course utilizes selected research techniques to attack a specific professional or academic problem. It includes preparation and presentation of a formal report. Students must consult with their adviser well in advance of registration. This course is required for all students in the research or project program, and it may be repeated with permission. Prerequisite: SMGT 570, 574.

Distribution: Advanced.

SMGT 572 - Thesis Seminar (3 credits)

This course utilizes selected research techniques to address a specific professional or academic problem. It includes preparation and presentation of a formal report. Students must consult their adviser well in advance of registration. This course is required for all students in the research or project program and it may be repeated with permission. Prerequisite: SMGT 570, 574.

Distribution: Advanced.

SMGT 574 - Research Laboratory (1 credit)

The preparation of the research proposal including the development of the purpose and design of the proposed research problem or thesis is the focus. This course must be repeated until "satisfactory" grade is earned. Prerequisite: Completion of MSES 570 or current enrollment.

Distribution: Advanced.

SMGT 577 - IS: (3 credits)

Under the auspices of a qualified member of the faculty, the student pursues a pattern of readings, study, and research related to professional knowledge and understanding in health or physical education. Topics should be established prior to enrollment.

Distribution: Advanced.

SMGT 581 - Analysis of Gymnastics I Workshop (3 credits)

The critical analysis of biomechanical principles as they apply to both gross and fine gymnastic movement patterns will be studied. Additional emphasis will center around a presentation of analytic techniques specific to maximum realization of motor performance. Further research will be directed toward practical application of all research relevant to the gymnastic discipline. Both lecture-demonstration and seminar methods of instruction will be employed. Prerequisite: PETE 160, 260 or equivalent.

Distribution: Advanced.

SMGT 582 - Analysis of Gymnastics II Workshop (3 credits)

A quantitative analysis of biomechanical principles as applied to both gross and fine gymnastic movement patterns. Additional emphasis centers on a critical review of the research relevant to the gymnastic

discipline. Both lecture-demonstration and seminar methods of instruction will be employed. Prerequisite: PETE 160, 260, 360, or equivalent.

Distribution: Advanced.

SMGT 586 - Field Experience & Internship (3 - 12 credits)

This course is designed to provide the student with practical experience with a federal, state or private organization in some related aspect of physical education and/or sports medicine. Students will coordinate their course work acquired at East Stroudsburg University with specific field experience. This program will be supervised by a member of the SMGT Department. Prerequisite: Permission of the department.

SMGT 599T - Sport Management Graduate Transfer (1 - 6 credits)

This course is designed to provide the student with practical experience with a federal, state or private organization in some related aspect of physical education and/or sports medicine. Students will coordinate their course work acquired at East Stroudsburg University with specific field experience. This program will be supervised by a member of the SMGT Department. Prerequisite: Permission of the department.

Core Student Learning Themes

Upon successful completion of an ESU graduate program, within their discipline, students will:

Mastery of Specific Discipline

- Demonstrate advanced knowledge and skills.
- Apply knowledge and skills in academic, professional, or research settings.

Professional and Ethical Behavior

- Demonstrate the standards of ethics and conduct in their profession.
- Comprehend the impact of their professional actions upon themselves and others while working diligently to achieve positive outcomes.

Research

- Be proficient in performing and/or understanding the research process.
- Read, analyze and write consistently within the standards of their field.

Communication

- Communicate effectively in a variety of modes as required in a discipline specific professional setting.

Critical, Innovative, and Creative Thinking

- Identify and analyze critical issues for holistic understanding.
- Challenge and evaluate information.
- Synthesize and integrate knowledge.
- Formulate new ideas.

Course Prefix Key

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

ART	Art	MATH	Mathematics
ATEP	Athletic Training	MGT	Business Management
BIOL	Biology	MUS	Music
BIOM	Marine Science	PETE	Physical Education Teacher Education
CEXP	Clinical Exercise Physiology	POLS	Political Science
CMST	Communication Studies	PSED	Professional and Secondary Education
CPSC	Computer Science	RECR	Recreation
DMET	Digital Technologies	REED	Reading
ELED	Elementary Education	SMGT	Sport Management
ENGL	English	SOC	Sociology
EXSC	Exercise Science	SPED	Special Education
GEOG	Geography	SPPA	Communication Sciences & Disorders (formerly Speech-Language Pathology)
GSCI	General Science	THTR	Theatre
HIST	History		
HLTH	Health		

Course Descriptions

Departments offering these courses do not have a master's degree or teacher certification program. The departments have graduate level courses to support other degree programs. However, graduate courses in these departments are not regularly offered.

ART - Art

College of Arts and Sciences

Department of Art
Fine and Performing Arts Building
570-422-3694
www.esu.edu/art

ART 500 - ST: (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.

ART 512 - WS: Women Artists: From the Middle Ages to the Present (1.5 credits)

This course is a more "in-depth" historical survey of works by women artists to help students to develop an awareness of and an appreciation of the role of women in art. A research paper or special related art project will be required.

ART 577 - IS: (3 credits)

This course consists of directed research and study on an individual basis.

Communication

510 - 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.

CMST 541 - Law for Communication Professionals (3 credits)

This graduate level course surveys communication law principles of particular relevance to professionals in communication-related or writing programs or professions, providing historical, theoretical and applied exposure to legal practices of continuing and current relevance as communication technologies advance.

CMST 545 - 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.

CMST 550 - Organizational Communication (3 credits)

This course explores different conceptualizations of organizations and their impacts on the structures, modes and contents of communication within various organizations. It also examines the effects of communication on an organization's decision making process, conflict management, and organizational change. Critical issues such as gender, race, technology and globalization are discussed within organizational contexts with the goal of preparing students to function effectively in an increasingly diverse and globalized work environment.

GEOG - Geography

College of Arts and Sciences

Department of Geography
Science and Technology Building 232
570-422-3285
www.esu.edu/geog

The Geography Department coordinates the PSM (Professional Science Master) concentration within the Master of Science in General Science degree program. The title of this concentration is Application of GIS/Remote Sensing in Environmental Science. Graduate course work is offered in Geography to support this degree program.

GEOG 586 - Field Experience and Internship (3 - 9 credits)

This course provides the student an opportunity to integrate classroom theory and knowledge with the practices of GIS and Remote Sensing (RS) in related GIS consulting firms, governmental agencies and NGOs. The course is designed to promote professional development, expose students to the real world of GIS application, provide challenging and valuable work experience in an environment conducive to learning, and prepare students for future careers in the field of GIS/RS.

Prerequisite: Two of the following: GEOG 502, 503, 511.

GEOG 502 - 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.

GEOG 503 - 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.

GEOG 511 - 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 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.

GEOG 522 - 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.

GEOG 599T - Geography Graduate Transfer (1 - 6 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.

MATH - Mathematics

College of Arts and Sciences

Department of Mathematics
Stroud Hall 408 C
570-422-3447
www.esu.edu/math

MATH 500 - ST: (3 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.

MATH 502 - Applied Statistics (3 credits)

This course deals with the interpretation and application of elementary statistical techniques, and the solution of problems relative to correlation, inference, prediction, and analysis of variance. (Offered fall semester)

Distribution: Advanced.

MATH 516 - Linear Statistical Modeling Methods with SAS (3 credits)

This course is intended for 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. Prerequisite: Satisfactory completion of a college course in statistics. (Offered fall term of odd years)

Distribution: Advanced.

MATH 520 - Number Theory (3 credits)

This course includes a consideration of the fundamental laws of integers, the linear Diophantine equation, the Euclidean algorithm, prime numbers, divisibility, congruencies, the Theorems of Fermat and Wilson, primitive roots, and indices. (Not regularly offered)

Distribution: Advanced.

MATH 530 - Trends in Secondary Education (3 credits)

This course will examine current and proposed secondary mathematics curricula and models of teaching and learning mathematics. Major foci will be mathematical problem solving and integrating technology into the mathematics curriculum. (Not regularly offered)

Distribution: Advanced.

MATH 531 - Teaching Mathematics Using Technology (3 credits)

Designed for in-service secondary mathematics teachers, this course will cover the use of graphing calculators, computer algebra and geometry systems, how to incorporate them into the classroom and how the availability of technology will change the mathematics that will be taught. (Not regularly offered)

Distribution: Advanced.

MATH 545 - 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. Prerequisite: MATH 141 and 320.

Distribution: Advanced.

MATH 570 - 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. Prerequisites: MATH 320, MATH 240, and CPSC 111 or CPSC 211. (Not regularly offered)

Distribution: Advanced.

MATH 577 - IS: (3 credits)

Under the guidance of a qualified faculty member, the student pursues a program of readings, study, and research related to professional knowledge and understanding in Mathematics. Topics should be established prior to enrollment. Prerequisite: Permission of the chair of the Mathematics Department.

Distribution: Advanced.

MATH 599T - Mathematics Graduate Transfer (1 - 6 credits)

Under the guidance of a qualified faculty member, the student pursues a program of readings, study, and research related to professional knowledge and understanding in Mathematics. Topics should be established prior to enrollment. Prerequisite: Permission of the chair of the Mathematics Department.

MLSP

MLSP 510 - 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.

MUS - 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

MUS 500 - ST: (3 credits)

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

Distribution: Advanced.

MUS 501 - Choral Music Symposium (1 credit)

The course will be a comprehensive choral symposium for church choral directors and school choir directors. Clinicians, including composers, will direct sessions in choral rehearsal techniques and performance practices and conduct studies on curriculum materials.

Distribution: Advanced.

MUS 502 - Instrumental Music Masterclass (1 credit)

This course is a master class taught by a renowned professional instrumental performer. Topics stressed will include instrumental techniques, phrasing, expressive nuances, and practice/performance strategies. Student performance will be evaluated and constructive suggestions will be provided. Prerequisite: Permission from instructor.

Distribution: Advanced.

MUS 503 - Jazz Keyboard Chords (2 credits)

Students will learn to perform standard jazz chords with extensions in major and minor keys on a keyboard. Standard chord voicings for two hands and left hand only will assist auditory training, knowledge of music theory, and some jazz improvisation. Students will accompany pre-existing melodies with jazz chords.

Distribution: Advanced.

MUS 504 - Jazz Masters Seminar (3 credits)

Students will study the lives, music, and careers of several accomplished, active jazz professionals. Each artist will then be a guest speaker, interacting with the class. Writing assignments will make this the culminating academic jazz experience.

Distribution: Advanced.

MUS 505 - Choral Reading Techniques Workshop (1 credit)

This course will emphasize various approaches to reading choral music in terms of diction, nuance, rhythm, phrasing and dynamics.

Nationally known guest conductors and composers will present several sessions where participants will execute reading techniques as an ensemble.

Distribution: Advanced.

MUS 513 - Nonsecular Music Symposium (1 credit)

This workshop will train choir directors and musicians in repertoire selection, performance practices, and the execution of musical elements of various events. Different rehearsal methods and vocal techniques will be demonstrated and discussed. The latest literature and trends in traditional and contemporary choral music programming will be presented in choral reading sessions.

Distribution: Advanced.

MUS 577 - IS: (1 - 3 credits)

Under the direction of a member of the department faculty, the student will pursue an advanced program of study in an area of special interest in music.

Distribution: Advanced.

PETE - Physical Education Teacher Education

College of Health Sciences

The Faculty of Human Performance

Zimbar-Liljenstein Hall

570-422-3293

www.esu.edu/pete

PETE 586 - Field Experience and Internship (Semester hours arranged)

This course is designed to provide the student with practical experience with a federal, state, or private organization in some related aspect of physical education and/or sports medicine. Students will coordinate their course work acquired at East Stroudsburg University with specific field experience. This program will be supervised by a member of the PETE Department. Prerequisite: Permission of the department.

PETE 514 - Assessment and Documentation of Student Achievement (3 credits)

This course is intended for teachers who wish to enhance their knowledge and ability related to educational measurement and evaluation. The selected learning experiences will demonstrate the role evaluation plays in the instructional process. Assessment and documentation effectiveness depend largely on the teacher's ability to construct and select tests and other evaluation instruments that provide valid measures of intended learning. Discussion and decision making related to test selection and construction will enhance teacher's knowledge and ability.

PETE 517 - Analysis of Teaching Behavior in Physical Education (3 credits)

This course focuses on the study of teaching behavior during the teaching-learning transaction. It includes the theory, application, analysis, and evaluation of behavioral concepts and their implications for teaching. Class discussion will focus on learning theories, motivational theories, the spectrum of teaching styles, structure of subject matter, personality, idiosyncratic behavior, gesture behavior, and discipline.

PETE 522 - Advanced Theory and Techniques of Physical Education (3 credits)

This course provides the practicing teacher-coach an opportunity to study advanced theories and techniques relative to the activities commonly included in the public school physical education program.

PETE 523 - Administration: Physical Education and Sport Programs (3 credits)

This course employs a theoretical approach to the development of administrative thought as it relates to physical education and sport programs; emphasis is on the understanding of concepts and models from the social sciences, and their implications for leadership in the educational setting.

PETE 561 - Seminar: Adapted Physical Education (3 credits)

The anatomic and physiologic bases for identifying and programming the handicapped child are studied. Both modified and remedial procedures are considered. Selected handicapped individuals serve as subjects for the practical aspects of the course.

PSY - Psychology

PSY 510 - Industrial/Organizational Psychology (3 credits)

This is a graduate level course in Industrial/Organizational (I/O) Psychology covering topics from the "I" side, which include job analysis, recruitment, selection, hiring, training, and performance appraisal, and the "O" side, which include work motivation, job satisfaction, group processes, occupational stress, and leadership.

RECR - Recreation Services Management

College of Business and Management

Department of Recreation Services Management
DeNike Building, Room 231
570-422-3305
www.esu.edu/rism

RECR 501 - Outdoor Environ Educ Wkshp (3 credits)

This course will develop teaching and leadership techniques for outdoor environmental education through participation in a variety of activities. The student will develop practical projects for use in his/her own teaching or outdoor leadership situation. The class will visit local conservation and natural resource sites.

Distribution: Advanced.

RECR 541 - Outdoor Recreation (3 credits)

This course is a study of the organization and administration, history, theory, philosophies, programs, and facilities of outdoor recreation agencies. The course will include field trips to representative outdoor recreation areas.

Distribution: Advanced.

RECR 542 - Organ & Admin of Recreation (3 credits)

This course is a study of the organization and administration, history, theory, philosophy, settings, and problems of recreation and leisure. Emphasis on recreation facilities, finance, legislation, public relations, and the selection and training of staff.

Distribution: Advanced.

SOC - Sociology

College of Arts and Sciences

Department of Sociology
Stroud Hall 414

570-422-3453
www.esu.edu/soc

SOC 500 - ST: (3 credits)

This course consists of discussion and intensive study of selected topics, issues, problems, sociological writings, and investigations.

Distribution: Advanced.

SOC 523 - Theory & Practice 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 each be examined. Focus will be both on developing understanding of group dynamics and group process, and developing skills in group work practice. (Not regularly offered)

Distribution: Advanced.

SOC 531 - Foreign Study-South America (6 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 each be examined. Focus will be both on developing understanding of group dynamics and group process, and developing skills in group work practice. (Not regularly offered)

Distribution: Advanced.

SOC 532 - Foreign Study - Africa (6 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 each be examined. Focus will be both on developing understanding of group dynamics and group process, and developing skills in group work practice. (Not regularly offered)

Distribution: Advanced.

SOC 533 - Foreign Study - Western Europe (6 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 each be examined. Focus will be both on developing understanding of group dynamics and group process, and developing skills in group work practice. (Not regularly offered)

Distribution: Advanced.

SOC 535 - Foreign Study - Asia (6 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 each be examined. Focus will be both on developing understanding of group dynamics and group process, and developing skills in group work practice. (Not regularly offered)

Distribution: Advanced.

SOC 536 - Foreign Study - Australia/NZ (6 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 each be examined. Focus will be both on developing understanding of group dynamics and group process, and developing skills in group work practice. (Not regularly offered)

Distribution: Advanced.

SOC 561 - Social Change (3 credits)

This course examines basic concepts of social change; external factors initiating change; changes in the physical and social environment; factors affecting acceptance of an innovation, chain reaction effects of an intervention; internal affairs affecting change; the growth of cultural complexity; and differential rates of change. (Not regularly offered)

Distribution: Advanced.

SOC 563 - Social Stratification (3 credits)

This course considers recent research on social stratification and its bearing on behavior in elite and mass society. It includes a study of the relationship of social class to poverty, personality, attitudes, and ideologies; modes of living and alignments, including class influences on life's chances. (Not regularly offered)

Distribution: Advanced.

SOC 564 - Sociology of Education (3 credits)

This course is an analysis of education using basic sociological concepts. Emphasis on schools and colleges as social systems, school-community inter-relations, the sociology of professions and education in its societal concept. The course may also be taken as PSED 511. (Not regularly offered)

Distribution: Advanced.

SOC 566 - Criminology (3 credits)

This course examines theories of crime causation; demographic characteristics of criminals; the history of theories of punishment; and modern reformatory and rehabilitative methods. (Not regularly offered)

Distribution: Advanced.

SOC 568 - Racial Cultural Minorities (3 credits)

This course is an analysis of dominant minority relations in the United States from the perspective of both the historical and the contemporary with special emphasis upon black-white relations in American society today. The nature and results of prejudice and discrimination, and the realization of social justice will be among the more important areas of dominant-minority relations to be discussed. (Not regularly offered)

Distribution: Advanced.

SOC 577 - IS: (3 credits)

This course is an analysis of dominant minority relations in the United States from the perspective of both the historical and the contemporary with special emphasis upon black-white relations in American society today. The nature and results of prejudice and discrimination, and the realization of social justice will be among the more important areas of dominant-minority relations to be discussed. (Not regularly offered)

Distribution: Advanced.

SOC 599T - Sociology Graduate Transfer (1 - 6 credits)

This course is an analysis of dominant minority relations in the United States from the perspective of both the historical and the contemporary with special emphasis upon black-white relations in American society today. The nature and results of prejudice and discrimination, and the realization of social justice will be among the more important areas of dominant-minority relations to be discussed. (Not regularly offered)

THTR - Theatre**College of Arts and Sciences**

Department of Theatre
Fine Arts Building 207
570-422-3759
www.esu.edu/theatre

THTR 500 - ST: (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.

Distribution: Advanced.

THTR 520 - Myth and Ritual in Theatre (3 credits)

This course explores myth and ritual as they relate to theatre both in its primitive foundations and in its modern applications. The use of masks and various primary aspects of theatre and acting will be examined. The course will culminate in an informal performance, reflecting elemental acting skills as they relate to mythological and ritualistic foundations of theatre. No previous acting experience is necessary. Students taking this course for graduate credit must complete a project based on appropriate research.

Distribution: Advanced.

THTR 561 - Summer Theatre Workshop (3 credits)

Students who enroll in this intensive Theatre Workshop will participate in all phases of theatre productions. Workshop students will participate in weekly critique sessions. Both self and group evaluative techniques will be utilized. Guest critics will be invited as participants in the critique sessions. The individual student's participation in the workshop will be tailored to individual needs and abilities.

Distribution: Advanced.

THTR 577 - Independent Study in Theatre (3 credits)

Under the auspices of a qualified member of the theatre faculty of the Graduate School, the student pursues a pattern of readings, study, and research resulting in a project related to professional knowledge and understanding in theatre. Topics should be established prior to enrollment. Prerequisite: Approval of the department chair.

Distribution: Advanced.

Administration

State and University Officials

Pennsylvania State System of Higher Education

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University Senior Administration

President's Office

Marcia G. Welsh, *President*

Miguel Barbosa, *Chief of Staff*

Brenda Friday, *Director, University Relations*

Academic Affairs

Joanne Z. Bruno, *Provost and Vice President for Academic Affairs*

Jeffrey A. Weber, *Associate Provost for Academic Affairs*

Robert E. Smith, *Assistant Vice-President for Institutional Effectiveness, Planning and Assessment*

William Bajor, *Director, Graduate and Extended Studies*

Terry Barry, *Dean, College of Education*

Peter J. Hawkes, *Dean, College of Arts and Sciences*

Tribhuvan Puri, *Dean, College of Business and Management*

Denise Seigart, *Dean, College of Health Sciences*

Jingfeng Xia, *Dean, Library, Collections and Online Education*

Maria Kitchens-Kintz, *Interim Associate Dean, College of Arts and Sciences*

Enrollment Management

David R. Bousquet, *Vice President for Enrollment Management*

Kizzy Morris, *Registrar/Director, Student Enrollment Center*

Erica Brilhart, *Assistant to the Vice President for Enrollment Management*

Finance and Administration

Kenneth Long, *Vice President for Administration and Finance*

Donna Bulzoni, *Director of Financial Affairs and Controller*

Robert D'Aversa, *CIO, Computing and Communication Services*

Teresa K. Fritsche, *Director, Human Resource Management*

William Parrish, *Chief of Police, University Police*

John Bloshinski, *Interim Director, Facilities Management*

Economic Development and Entrepreneurship

Mary Frances Postupack, *Vice President for Economic Development and Entrepreneurship*

Sharone Jones, *Director of Workforce Development*

Student Affairs

Doreen M. Tobin, *Vice President for Student Affairs*

Robert Moses, *Director, Residence Life*

Nancy L. Weaver, *Assistant to the Vice President for Student Affairs*

Wando M. Holt, *Coordinator Greek Life*

Cornelia Sewell-Allen, *Dean of Student Life*

University Senior Policy Administrators

Marcia G. Welsh (2012)

President

B.S., 1972, Colorado State University

M.S., 1974, Colorado State University

Ph.D., 1978, University of Texas Health Science Center

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

David R. Bousquet (2014)

Vice President for Enrollment Management

B.A., 1976, University of Massachusetts at Amherst

M.Ed., 1981, University of Massachusetts at Amherst

Kenneth Long (2013)

Vice President for Administration and Finance

B.A., Drew University

M.B.A., Monmouth University

Doreen Tobin (2006)

Vice President for Student Affairs

B.S., 1974, St. Lawrence University

M.Ed., 1975 St. Lawrence University

D.Ed., 2003, Pennsylvania State University – Harrisburg

Mary Frances Postupack (1984)

Vice President for Economic Development and Entrepreneurship

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)

Dean, College of Education

B.S., 1989, East Stroudsburg University

M.Ed., 1999, East Stroudsburg University

Ed.D., 2011, Walden University

Peter J. Hawkes (1986)

Dean, College of Arts and Sciences

B.A., 1968, Fordham University

M.A., 1972, New York University

M.Phil., 1976, Columbia University

Ph.D., 1986, Columbia University

Tribhuvan Puri (2016)

Dean, College of Business and Management

B.S., Mechanical Engineering, G.B. Pant University, India

M.S., Mechanical Engineering, India Institute of Technology, India

M.A., Economics, University of Tennessee-Knoxville

Ph.D., Finance, University of Tennessee-Knoxville

Denise Seigart (2017)

Dean, College of Health Sciences

B.S.N., 1980, Niagra University

M.S., 1987, Binghamton 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

Jeffrey A. Weber (2005)

Associate Provost for Academic Affairs

B.A., 1983 Citadel Military College of South Carolina

M.P.A., 1993 Western Kentucky University

Ph.D., 1999 Pennsylvania State University-Harrisburg

Jingfeng Xia (2016)

Dean, Library, Collections, and Online Education

B.A., 1982, Peking University, China

M.A., 1985, Peking University, China

Ph.D., 2001, University of Arizona

Faculty

This list of permanent faculty members is current as of July 28, 2017. 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.

John A. Abbruzzese III (1996, 2000)

Associate Professor, Psychologist
A.B., 1978, Brown University
Ph.D., 1989, University of Pittsburgh

Robert J. Ackerman (1984, 1998)

Professor of Communication Sciences and Disorders
B.A., 1972, SUNY at Albany
M.S., 1976, Towson State University
Ph.D., 1982, Wichita State University

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, 2013)

Associate 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

Margaret J. Ball (2005, 2016)

Professor of Theatre
B.M., 1987, University of Toronto
M.M., 1992, McGill University
D.M.A., 1999, The Catholic University of America

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 State College
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

Allan N. Benn (1985, 2006)

Distinguished Professor of English
B.A., 1974, Mercer University
M.A., 1976, Case Western Reserve University
Ph.D., 1983, Case Western Reserve University

Margaret L. Benson (1996, 2001)

Associate Professor of Early Childhood and Elementary Education
B.A., 1975, University of Missouri at Kansas City
M.S., 1989, Florida State University
Ph.D., 1995, Florida State University

Renee R. Boburka (2002, 2008)

Associate 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, 2013)

Associate Professor of Health Studies
B.S.Ed., 1990, Truman State University
M.S.Ed., 1991, Eastern Kentucky University
Ph.D., 2005, Southern Illinois University

Jill Boyle (2015, 2015)

Instructor and Coordinator, OASIS
B.A., 1981, East Stroudsburg University
M.Ed., 1988, William Paterson 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, 2010)

Associate Professor of Physical Education
B.S., 1993, Russell Sage College
M.S., 1998, University of Southern Mississippi
Ph.D., 2002, The Ohio State University

Christopher T. Brooks (2007, 2013)

Associate 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, 2012)

Associate 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

Teri L. Burcroff (1992, 2004)

Professor of Special Education and Rehabilitation
B.A., 1981, SUNY at Fredonia
M.S., 1983, SUNY at Buffalo
Ph.D., 1991, SUNY at Buffalo

Olivia M. Carducci (2005, 2014)

Associate Professor of Mathematics
B.S., 1983, Saint Mary's College
M.S., 1985, Carnegie Mellon University
Ph.D., 1989, Carnegie Mellon 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. Cavauiolo (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

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Professor of Special Education and Rehabilitation
B.A., 1976, Marist College
M.Ed., 1977, Slippery Rock University
Ed.D., 1990, Columbia 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, 2013)

Associate Professor of Computer Science
B.A., 1992, Zhejiang Forestry College
M.S., 2000, Biotechnology, University of Georgia
M.S., 2002, Computer Science, University of Georgia
Ph.D., 2008, University of Georgia

Stanley Li-Ming Chiang (2010, 2015)

Associate 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

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Associate Professor of Sociology, Social Work and Criminal Justice
B.S., 1985, Western Connecticut State University
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
Ph.D., 1993, Drexel University

Timothy M. Connolly (2007, 2017)

Professor of Philosophy and Religious Studies
B.A., 2002, Xavier University
Ph.D., 2007, SUNY Buffalo

Paul Creamer (2008, 2013)

Associate Professor of Modern Languages
B.A., 1988, University of Illinois
M.A., 1992, University of Wisconsin
Ph.D., 1999, University of Wisconsin

Donald M. Cummings (1986, 2004)

Professor of Exercise Science
B.S., 1984, College of Charleston
M.S., 1985, East Stroudsburg University
Ph.D., 1997, Temple University

Marianne Cutler (2005, 2005)

Associate Professor of Sociology
B.A., 1985, Boston University
M.Ed., 1990, University of Massachusetts- Amherst
M.A., 1998, University of North Carolina- Chapel Hill
Ph.D., 2003, University of North Carolina- Chapel Hill

Bridget Cypress (2017, 2017)

Associate Professor of Nursing
B.S.N., 1988, Far Eastern University: Manila, Philippines
M.S., 2004, Lehman College, CUNY
Ed.D., 2009, Teachers College, Columbia University

Esther Daganzo-Cantens (2008, 2013)

Associate Professor of Modern Languages
B.A., 1998, Florida International University
M.A., 2002, Florida International University
Ph.D., 2006, Florida International University

David Daniel (2015, 2015)

Assistant Professor of Business Management
B.S., 1998, Tusculum College
M.B.A., 2000, National University
M.P.A., 2005, Georgia State University
Darla D. Darno (2015, 2015)
Assistant Professor of Criminal Justice
B.A., 2007, Youngstown University
M.A., 2008, Marymount University
Ph.D., 2015, Indiana University of Pennsylvania

Shala E. Davis (1997, 2006)

Professor of Exercise Science
B.S., 1987, University of Delaware
M.S., 1989, Wake Forest University
Ph.D., 1994, University of Virginia

Michael C. Decosmo (1984, 1993)

Associate Professor of Economics
B.S.A., 1976, Villanova University
M.B.A., 1984, Lehigh University

Dominic (Don) J. Dellipriscoli (2002, 2005)

Assistant Professor of History
B.S., 1993, East Stroudsburg University
M.A., 1995 East Stroudsburg University

Michelle Deninno DiLauro (2015, 2015)

Assistant Professor of Social Work
B.A., 1994, Rutgers University
M.S.W., 1995, Fordham University
Ph.D., 2001, Fordham University

Mary DeVito (2001, 2016)

Professor of Computer Science
B.S., 1984, East Stroudsburg University
M.S., 1987 East Stroudsburg University
Ph.D., 1998, Renesselear Polytechnic Institute

Susan Dillmuth-Miller (2008, 2008)

Assistant Professor of Communication Sciences and Disorders
B.S., 1991, Bloomsburg University
M.A., 1993, University of Cincinnati
AuD., 2008, PA College of Optometry School of Audiology

Caroline M. DiPipi-Hoy (2008, 2013)

Associate Professor of Special Education and Rehabilitation
B.A., 1996, Marywood University
M.Ed., 1998, Lehigh University
Ph.D., 2004, Lehigh University

Michael P. Doherty (1989, 2000)

Professor of Chemistry
B.A., 1979, Wabash College
M.S., 1982, Indiana University at Bloomington
Ph.D., 1989, Purdue University

Christopher Domanski (2016, 2016)

Associate Professor of Theatre
B.F.A., 1998, Wayne State University
M.F.A., 2003, Ohio University

Dennis C. Douds (1966, 1966)

Assistant Professor of Sports Management
B.S., 1963, Slippery Rock University
M.S., 1966, West Virginia University

Anthony L. Drago (1992, 2002)

Professor of Psychology
B.A., 1976, East Stroudsburg University
M.A., 1980, Marywood College
Ed.D., 1986, Lehigh University

Christopher Dudley (2011, 2016)

Associate Professor of History
B.A., 2001, Oberlin College
M.A., 2003, University of Chicago
Ph.D., 2010, University of Chicago

Colleen A. Dudzinski (2002, 2002)

Assistant Professor of Athletics
B.S., 1997, University of Pittsburgh
M.S., 2000, University of Pittsburgh

Kathleen M. Duguay (1997, 2007)

Professor of English
B.A., 1981, North Adams State College
M.A., 1985, SUNY at Binghamton
Ph.D., 1997, SUNY at Albany

Gregory B. Dwyer (1998, 2008)

Professor of Exercise Science
B.A., 1982, University of Texas at Austin
M.A., 1983, Wake Forest University
Ph.D., 1992, Indiana University

Sandra J. Eckard (2005, 2017)

Professor of English
B.A., 1994, Frostburg State University
M.A., 1996, West Virginia University
Ph.D., 2001, Indiana University of Pennsylvania

Johan L. Eliasson (2005, 2015)

Professor of Political Science
B.S., 1997, California State University
M.A., 1999, Syracuse University
Ph.D., 2005, Syracuse University

John K. Elwood (1999, 2015)*Professor of Physics*

B.A., 1991, Cornell University

M.S., 1993, California Institute of Technology

Ph.D., 1996, California Institute of Technology

James W. Emert (1981, 1981)*Assistant Professor of Computer Science*

A.A., 1972, Montgomery County Community College

B.A., 1974, East Stroudsburg University

M.A., 1981, Temple University

Jason Engerman (2017, 2017)*Assistant Professor of Digital Media Technologies*

B.S., 2008, East Stroudsburg University

M.S., 2010, Wilkes University

Ph.D., 2016, The Pennsylvania State University

Sussie Eshun (1996, 2007)*Professor of Psychology*

B.A., 1989, University of Ghana

M.A., 1992, SUNY at Stony Brook

Ph.D., 1996, SUNY at Stony Brook

Joseph Eshun Jr. (2008, 2008)*Associate Professor of Business Management*

B.S., 1991, City College of Higher Education

M.S., 1994, State University of New York

M.P.H., 2000, Columbia University

Ph.D., 2000, Columbia University

Darlene Farris-LaBar (2006, 2016)*Professor of Art*

B.F.A., 1996, Indiana University of Pennsylvania

M.F.A., 1998, State University of New York

A.A.S., 2001, The College for Technology

Christine Fischer (2017, 2017)*Assistant Professor of Health*

B.A., 2009, East Stroudsburg University

M.S., 2011, East Stroudsburg University

Ph.D., 2014, University of Toledo

Stephanie E. French (2001, 2012)*Professor of Theatre*

B.A., 1992, San Francisco State University

M.F.A., 1996, University of California, San Diego

Douglas Friedman (2010, 2010)*Associate Professor of Business Management*

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B.S., 1990, Bowling Green State University

M.A., 1997, University of New Orleans

Ph.D., 2005, University of New Hampshire

Yevgeniv V. (Eugene) Galperin (2003, 2015)*Associate Professor of Mathematics*

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M.S., 1996, University of Connecticut

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Heather Marie Garrison (2006, 2010)*Associate Professor of Special Education and Rehabilitation*

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Ph.D., 2008, Fordham University

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B.A., 2004, Clarion University

M.L., 2005 Clarion University

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M.A., 1998, Pennsylvania State University

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Ph.D., 1989, Texas Woman's University

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M.A., 1969, New York University

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Ph.D., 1998, Kent State University

Bonnie A. Green (2004, 2013)*Professor of Psychology*

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M.S., 1998, Lehigh University

Ph.D., 2002, Lehigh University

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B.B.A., 1979, Hofstra University

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Ph.D., 2003, New York University

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Ph.D., 2004, Pennsylvania State University

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M.S., 1993, Louisiana State University

Ph.D., 1998, Louisiana State University

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M.S., 1981, Marywood College

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M.S., 1989, Ohio University

Ph.D., 2005, Rocky Mountain University of Health Professions

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M.A., 1996, University of Iowa
M.F.A., 1997, University of Iowa
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Ph.D., 2008, University of Virginia

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M.A.T., 2001, Johnson & Wales University

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 Ph.D., 2013, Seton Hall University

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 Ph.D., 1997, Boston College

Shawn Munford (2006, 2016)

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 M.S., 2004, East Stroudsburg University
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Douglas Nay (2015, 2017)

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 M.B.A., 1988, New York University
 D.P.S., 2003, Pace University

Pattabiraman Neelakantan (1992, 2002)

Professor of Economics
 B.S., 1981, Indian Institute of Technology
 M.S., 1983, National Institute for Training in Industrial Engineering
 Ph.D., 1992, State University of New York, Buffalo

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 B.S., 2005, Plymouth State University
 M.Ed., 2012, Plymouth State University
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Erin O' Donnell (2009, 2015)

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 B.A., 1985, University of Louisiana
 M.A., 1991, North Carolina State University
 Ph.D., 2009, University of Chicago

Susan P. O' Hearn (1992, 2004)

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Mary Jane O' Merle (2007, 2007)

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 B.A., 1995, University of Arizona
 B.A., 1995 University of Arizona
 M.A., 2001, Marywood University
 Ph.D., 2007, University of Memphis

Joni Oye-Benintende (1998, 2013)

Associate Professor of Art
B.F.F., 1972, Washington University
M.F.A., 1985, Tama Fine Art University, Japan

John Paolini (2006, 2006)

Instructor of Intercollegiate Athletics
B.S., 1999, Niagara County Community College
B.S., 2002, SUNY at Cortland
M.S., 2005, East Stroudsburg University

S. Hooshang Pazaki (2005, 2012)

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B.S., 1977, University of Esfahan
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R.N., 1974, University of Pennsylvania
B.S., 1981, Marywood University
M.S., 1987, SUNY at Binghamton
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Megan Porzio Smith (2015, 2015)

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B.A., 2007, Connecticut College
M.A., 2012, Rutgers University
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Ph.D., 1993, New York University

Peter E. Pruiim (1997, 2009)

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ICSA, Level 1, 1990, England
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M.Ed., 1994, Columbia University
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Ph.D., 1988, Memphis State University

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M.T.S., 1996, Berkley Seminary
M.A., 1996, Fordham University
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Carey J. Snyder (1987, 1994)

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Psy.D., 2004, Philadelphia College of Osteopathic Medicine

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