LANDER UNIVERSITY
2022-2023 UNDERGRADUATE CATALOG

Lander University reserves the right to make changes in curricula, degree requirements, course offerings, and all academic regulations at any time when, in the judgment of the faculty, the President, or the Board of Trustees, such changes are in the best interest of the students and the University. ***For the most current edition of the Lander University 2022-2023 Undergraduate Catalog, please go to www.lander.edu/catalog.***

Registration at Lander University assumes the student's acceptance of all published regulations as applicable, including both those that appear in this document and all others in any official announcement. This catalog is effective for the ***2022-2023*** academic year, commencing with the 2022 fall semester and extending through the 2023 summer sessions.

CONTACT INFORMATION:

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It is the policy of Lander University to provide equal educational and employment opportunity to all present and future employees and students regardless of race, color, religion, sex, national origin, age, or disability. Lander University is an affirmative action/equal opportunity employer.

Posted on-line June 6, 2022

TABLE OF CONTENTS

THE UNIVERSITY 5
History of the University 5
Vision Statement 5
Mission Statement 5
Lander's Role and Scope 5
Accreditation 6
Assessment of Institutional Effectiveness 7
The Academic Programs 7
UNDERGRADUATE ADMISSION 10
Students with Disabilities Policy 20
FEES AND EXPENSES 23
Refund Policy 24
FINANCIAL AID 26
Types of Aid 26
Satisfactory Academic Progress 27
Installment Payment Plan 28
Student Work Programs 29
Scholarships 29
ACADEMIC REGULATIONS AND PROCEDURES 31
Placement Criteria 31
Academic Success Center 33
Credits, Course Load, and Classification 34
Classification of Students 37
Grading System 37
Academic Honors 40
Academic Standing 40
General Degree Requirements 41
Graduation 43
AWARDS 46
SPECIAL PROGRAMS 54
Cooperative Education (Co-op) 54
Internships 54
Cooperative Programs with Other Institutions 54
The EYE Program 55

The Lander University Honors College 55
Study Abroad Opportunities 57
GENERAL EDUCATION 59
UNDERGRADUATE ACADEMIC PROGRAMS 63
COLLEGE OF ARTS AND HUMANITIES 64
DEPARTMENT OF ART + DESIGN 68
DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES 88
DEPARTMENT OF MEDIA AND COMMUNICATION 105
DEPARTMENT OF MUSIC 112
COLLEGE OF BEHAVIORAL AND SOCIAL SCIENCES 132
DEPARTMENT OF GOVERNMENT, CRIMINOLOGY, AND SOCIOLOGY 136
DEPARTMENT OF HISTORY AND PHILOSOPHY 161
DEPARTMENT OF PSYCHOLOGICAL SCIENCE AND HUMAN SERVICES 175
DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC) 183
COLLEGE OF BUSINESS 186
COLLEGE OF EDUCATION 211
DEPARTMENT OF TEACHER EDUCATION 214
DEPARTMENT OF PHYSICAL EDUCATION AND EXERCISE SCIENCE 228
COLLEGE OF SCIENCE AND MATHEMATICS 236
DEPARTMENT OF BIOLOGY 239
DEPARTMENT OF PHYSICAL SCIENCES 248
DEPARTMENT OF MATHEMATICS AND COMPUTING 268
THE WILLIAM PRESTON TURNER SCHOOL OF NURSING 296
INTERDISCIPLINARY STUDIES 314
UNDERGRADUATE COURSES OF STUDY 321
FACULTY 431
INDEX 440

THE UNIVERSITY

History of the University

Lander University was founded as a college for women by Methodist clergyman Samuel Lander in 1872 as Williamston Female College in Williamston, South Carolina. It remained a private institution for 26 years. In 1898, the college gained the support of the South Carolina Conference of the Methodist Episcopal Church, South. In 1904, the college was relocated to Greenwood, S.C., and was renamed Lander College in honor of its founder.

Men were admitted in 1943, and the institution is now completely coeducational.

In 1948, when the Methodist Conference, pursuant to a policy of consolidation in its education efforts, decided to end support of Lander College, interested citizens of Greenwood formed The Lander Foundation as a nonprofit corporation and leased the college from the church.

In 1951, the county of Greenwood obtained the College name and property from the Methodist Conference. The South Carolina General Assembly created the Greenwood County Education Commission, known as The Lander Foundation, to serve as the board of control for the College. Lander thus became the only four-year liberal arts college in the United States to be controlled and financed by a county government.

On July 1, 1973, Lander College came under the control of the Board of Trustees of the State Colleges of South Carolina, making Lander a state-assisted college. The State College Board of Trustees governed Lander, the College of Charleston, and Francis Marion College. Effective July 1, 1988, governance of Lander was vested in the Lander College Board of Trustees.

On July 1, 1992, by action of the Board of Trustees, the institution became Lander University.

The University has been served by twelve presidents: Samuel Lander (1872-1904); John O. Willson (1904-1923); Robert O. Lawton (interim) (1923); B. Rhett Turnipseed (1923-1927); R. H. Bennett (1927-1932); John W. Speake (1932-1941); John Marvin Rast (1941-1948); Boyce M. Grier (1948-1966); E. Don Herd, Jr. (1966-1973); Larry A. Jackson (1973-1992); William C. Moran (1992-2000); Daniel W. Ball (2000-2015); and Richard E. Cosentino (2015-present).

Lander University subscribes to a policy of equal educational and employment opportunity for all.

Vision Statement

All Lander University graduates are broadly educated, well-informed, equipped for responsible participation in the civic lives of their communities, and prepared to continue their education or launch their careers.

Vision Statement revised and approved by Board of Trustees on September 14, 2021

Mission Statement

Lander University offers high-demand and market-driven programs to ambitious and talented students in South Carolina and beyond. These programs are delivered in a rich liberal arts environment to produce highly qualified and marketable graduates.

Approved by the Lander University Faculty on March 16, 2016
Approved by the Lander University Board of Trustees on March 22, 2016
Approved by the South Carolina Commission on Higher Education on June 2, 2016

Lander's Role and Scope

Through its liberal arts programs and its professional schools for business, education, and nursing, the University offers an undergraduate curriculum that combines a broad, liberal education with specialized study leading either to immediate application in a career or to more advanced study. The undergraduate programs provide opportunities for students to achieve competence in a major discipline and to explore a broad core curriculum designed to assist them in developing the ability (1) to gather and critically analyze information from a variety of fields and to use that

information as a basis for reasoned judgments and for effective problem solving, (2) to synthesize diverse ideas and information, and (3) to understand and convey ideas clearly.

In addition to its undergraduate programs, Lander provides a limited number of master's programs and post-graduate courses that respond to critical needs of the immediate region and the State. Supporting the University's role as a teaching institution and recognizing that scholarship is essential to establishing and maintaining excellence of instruction, Lander faculty engage in scholarly and creative activities appropriate to their teaching fields. In addition, the faculty and staff recognize Lander's responsibility to the public and to the local economy; therefore, the University serves as an intellectual and cultural center and cooperates with various agencies, schools, and businesses.

The University, situated near the center of Greenwood, a small South Carolina city, combines urban with rural and traditional with modern features. Because student success depends in large part upon readiness, the University reserves admission to those students who can demonstrate adequate preparation for higher education either through a predicted GPA or through previous success at another post-secondary institution. While Lander serves primarily students from a seven county area (Greenwood, Laurens, Edgefield, Abbeville, McCormick, Newberry, and Saluda) and reflects the demographic diversity of this constituency, it strives to draw students from every region of South Carolina as well as from other states and foreign countries because a geographically diverse population better serves the educational interests of all students enrolled. Lander predominately attracts qualified traditional full-time students but also welcomes non-traditional and part-time students. Lander University's commitment to extending educational opportunities to these varying constituencies reflects its belief that citizens of a free society have a right to the enriching benefits of higher education.

Accreditation

Lander University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate and master degrees. Questions about the accreditation of Lander University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

- The College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB International), 777 South Harbour Island Boulevard, Suite 750, Tampa, FL 33602-5730 USA, Telephone: (813) 769-6500, Fax: (813) 769-6559.
- The Bachelor of Science in Nursing is approved by the South Carolina State Board of Nursing (110 Centerview Dr. Suite 202, Columbia, SC 29210; telephone number: 803-896-4300) and The Bachelor of Science in Nursing and the Master of Science in Clinical Nurse Leader programs are accredited by the Commission on Collegiate Nursing Education (CCNE), (http://www.ccneaccreditation.org).
- The Teacher Education programs of Lander University are approved by the state of South Carolina and the academic unit is nationally accredited by the Council for the Accreditation of Educator Preparation (CAEP), 1140 19th St NW, Suite 400 Washington, DC 20036. Telephone: (202) 223-0077.
- Lander's Montessori Teacher Education Program offers coursework leading to certification by the American Montessori Society. It is fully accredited by the Montessori Accreditation Council for Teacher Education (MACTE), 420 Park Street, Charlottesville, VA 22902. Telephone: (434) 202-7793.
- The Bachelor of Science in Music is accredited by the National Association of Schools of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190. Telephone: (703) 437-0700.
- The Bachelor of Arts in Visual Art and Bachelor of Fine Arts in 2D and 3D Studio programs are accredited by the National Association of Schools of Art and Design (NASAD), 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190. Telephone: (703) 437-0700.

Assessment of Institutional Effectiveness

Lander University, in order to ensure excellence in its academic offerings, has implemented a continuing program to assess institutional effectiveness. A vital part of that effort is assessing student-learning outcomes. During the time students are enrolled at the University, and later as alumni, they may be asked to participate in various activities designed to determine how well the institution is achieving its mission offering high-demand and market-driven programs to produce highly qualified and marketable graduates. A number of methods are employed in a variety of settings. Students may be asked to cooperate in a writing activity; to provide information about the quality of courses they have taken through surveys, interviews, or major field knowledge inventories; or to express opinions about activities or programs. It is not the student that is being evaluated but the institution itself and its various programs and services. Students are encouraged to cooperate and to provide information that can be used to improve Lander University.

The Academic Programs

Lander University confers the degrees of Master of Arts in Teaching (MAT), Master of Business Administration (MBA), Master of Education (MEd), Master of Fine Arts (MFA), Master of Science (MS), Master of Science in Management (MSM), Master of Science in Nursing (MSN), Bachelor of Applied Science (BAS), Bachelor of Arts (BA), Bachelor of Design (BDes), Bachelor of Fine Arts (BFA), and Bachelor of Science (BS) on candidates who are recommended by the faculty. Areas of study are provided in the following degrees, minors, and certificates (for details on graduate programs, please see the Graduate Catalog):

MAT Degree
- Visual Art K-12
- Multi-Categorical Special Education

MBA Degree
- Business Administration

MEd Degrees
- Montessori Education
- Teaching and Learning

MFA Degrees
- Visual Art
  - Visual Art, 2D Studio
  - Visual Art, 3D Studio

MS Degree
- Emergency Management
- Exercise Science
  - Exercise Science, Sport Performance and Rehabilitation
  - Exercise Science, Clinical Exercise Physiology
  - Exercise Science, Health and Wellness

MSM Degree
- Management

MSN Degree
- Clinical Nurse Leader

BAS Degree
- Business Administration

BA Degrees
- English
  - English
  - English, Professional Writing
  - English, Secondary Teacher Certification
- Entrepreneurship
- History

- Humanities
- Interdisciplinary Studies
- International Studies
- Spanish
- Visual Art
  - Visual Art
  - Visual Art, K-12 Teacher Certification

BDes Degree

- Graphic Design

BFA Degrees

- Visual Art
  - Visual Art, 2D Studio
  - Visual Art, 3D Studio

BS Degrees

- Biology
  - Biology
  - Biology, Genetics
  - Biology, Medical
- Business Administration
  - Business Administration, Accounting
  - Business Administration, Financial Services
  - Business Administration, Health Care Management
  - Business Administration, Hospitality Management
  - Business Administration, Information Technology (IT) Management
  - Business Administration, Management/Marketing
  - Business Administration, Sports Management
- Chemistry
  - Chemistry
  - Chemistry, Dual Engineering
  - Chemistry, Forensic Science
  - Chemistry, Health Sciences
  - Chemistry, Secondary Certification
- Computer Information Systems
  - Computer Information Systems, Dual Engineering
  - Computer Information Systems, Networking
  - Computer Information Systems, Software Development
- Criminology
- Cybersecurity, Computer Information Systems
- Cybersecurity, Political Science
- Data Science, Business Analytics
- Data Science, Computer Information Systems
- Data Science, Mathematics
- Digital Media Production
- Early Childhood Education
  - Early Childhood Education
  - Early Childhood Education, Montessori
- Elementary Education
- Environmental Science
  - Environmental Science
  - Environmental Science, Forensic Science
- Exercise Science
- History
  - History
  - History, Public History
  - History, Secondary Social Studies Teacher Certification
- Human Services
- Interdisciplinary Studies
  - Allied Health Studies
  - Educational Psychology for Special Populations
  - Environmental Health
  - Equine-Assisted Activities and Therapies
  - Financial Services and Public Relations
  - Graphic Design and Marketing
  - Health Promotion and Wellness: Behavioral Health
  - Health Promotion and Wellness: Healthcare Management
  - Health Promotion and Wellness: Human Services
  - Health Promotion and Wellness: Policy
  - International Environment and Sustainability Management, Public Relations
  - Studies in Early Childhood Education and Psychology
  - Studies in Early Childhood with Special Needs
  - Teaching and Learning for Diverse Elementary Students (Reading/Media)
- Mathematics
  - Mathematics
  - Mathematics, Dual Engineering
  - Mathematics, Secondary Teacher Certification
- Media and Communication
- Music
  - Music, Instrumental
  - Music, Keyboard
  - Music, Vocal
  - Music, K-12 Teacher Certification, Choral
  - Music, K-12 Teacher Certification, Instrumental
  - Music, K-12 Teacher Certification, Keyboard

Nursing
  Nursing (Prelicensure)
  Nursing (Completion for Registered Nurses)
Paralegal Studies
Physical Education, K-12 Teacher Certification
Political Science
  Political Science
  Political Science, Public Administration
Psychology
Public Health
  Public Health
  Public Health, Genetic Health Studies
Sociology
Special Education

Minors or Certificates

All-Hazard Emergency Management Certificate (Graduate Certificate)
Art History
Biology
Business Administration
Ceramics
Chemistry
Child and Family Studies
Computer Information Systems
Criminal Justice
Cybersecurity
Data Science
Design
English
Entrepreneurship
Environmental Science
Esports Management and Administration
European Studies
Forensic Science
Film Studies
French
Genetic Health Studies Certificate
General Studio Art
Health Care Management
History
Homeland Security
Human Services
Information Technology
International Business
International Studies
Mathematics
Media and Communication
Media Writing
Military Science and Leadership
Music
Music History
Non-Profit Management
Painting and Drawing
Philosophy
Photography
Political Science
Pre-Law
Pre-Social Work
Psychology
Public Administration
Public Health
Public Relations
Religion
Sculpture
Sociology
Spanish
Speech and Performance
Sports Management
Sports Media
Therapeutic Horsemanship
Warfare, Military, and Diplomatic Studies Certificate
Writing

UNDERGRADUATE ADMISSION

Lander University encourages all qualified students to apply for admission. It is the policy of Lander University to provide equal educational and employment opportunity to all present and future employees and students regardless of race, color, religion, sex, national origin, age, or disability. Lander University is an affirmative action/equal opportunity employer. This policy applies in all matters, including (1) admission and education of students, (2) availability of student loans, grants, scholarships, and job opportunities, (3) employment promotion of teaching and non-teaching personnel, and (4) activities conducted on the premises owned or occupied by the University.

A completed application and all supporting documents should be submitted to the Office of Admissions according to the appropriate deadline for the semester. Applicants who have obtained, by means other than the normal procedure, the equivalent of the requirements for admission will be considered on an individual basis.

When all credentials have been received, they are reviewed by the Office of Admissions and the applicant is notified of the decision. No single criterion is decisive, but each item is considered in relation to the applicant's total qualifications. Decisions for admission are made on a rolling basis. The Admissions Committee considers appeals for students whose admission has been denied or deferred.

Steps in the Undergraduate Application Process

1. **Application**
   Apply for admission online at https://admissions.lander.edu/apply/

   Application Deadlines for Degree Seeking Students

   - *Domestic Students:*

     Fall 2022 semester – August 1, 2022
     Spring 2023 semester – December 15, 2022
     Summer 2023 – May 1, 2023

   - *International Students:*

     Fall 2022 semester – July 15, 2022
     Spring 2023 semester – December 1, 2022
     Summer 2023 – April 15, 2023

2. **Transcripts**
   All freshman, transfer and returning applicants must submit transcripts of their high school records directly from the high school(s) attended. Transfer applicants must also submit a transcript directly from each college attended. *All transcripts become permanent records of Lander University and will not be forwarded or returned. All students requesting financial aid are required to submit a final official high school transcript.*

3. **Entrance Examinations**
   Freshman applicants under 21 years of age and transfer candidates under 21 years of age having completed less than 12 hours of college credit are encouraged to submit the results of the Scholastic Assessment Test (SAT) or the American College Testing Program (ACT).

   Registration materials for these tests are readily available at high schools or can be obtained by contacting the College Board at www.collegeboard.com or the American College Testing Service at www.act.org. The College Board's institutional code for Lander is **5363**. The ACT code for Lander is **3860**.

4. **Campus Visits**

Campus visits are not required, but recommended. Students are encouraged to visit the campus and meet with representatives of the University. Campus tours are offered during the week and during Saturday Open House events. See the Lander Admissions' website for more information on visit dates. To ensure an informative and enjoyable visit, arrangements should be scheduled in advance by registering online at https://www.lander.edu/admissions/campus-visits/index.html or by calling the Office of Admissions at (864) 388-8307 or toll free, 1-888-4LANDER (1-888-452-6337).

Applicants for admission to Lander fall into "Degree-Seeking" or "Non-Degree Seeking" categories, with a number of specific categories under each. Requirements for the specific categories follow.

Degree-Seeking Admission

All students are encouraged to apply for admission to Lander. Because student success depends in large part upon readiness, the university reserves admission to those students who can demonstrate adequate preparation for higher education either through appropriate GPA/standardized test scores (ACT/SAT), or through previous success at another postsecondary institution.

1. **Freshman Admission**

How to apply as a freshman:

- Complete the online application
- Submit your official high school transcript
- Submit your official SAT or ACT scores (SAT code: 5363; ACT code: 3860) - Optional
- Recommendations are encouraged, but not required
  Please note that Lander does accept
  - Advanced Placement (AP)
  - https://www.lander.edu/admissions/_files/Documents/admissions/Fall_2021_AP_Credit.pdf and
  - International Baccalaureate (IB)
    https://www.lander.edu/admissions/_files/Documents/admissions/International-baccalaureate-credit-2021b.pdf
- Submit official GED scores from testing center and GED Certificate (if applicable)

Freshman applicants will be evaluated on:

- High school course prerequisites
- High school grade point average
- SAT and/or ACT test scores - Optional
- GED scores (if applicable)

Freshman applicants will be evaluated on an individual basis on the above criteria. All students are encouraged to submit ACT or SAT scores. However, Lander will consider students without test scores. Test scores are optional. These factors are used to predict the applicant's probability of success during their freshmen year.

Applicants who attend a post-secondary institution while in high school or during the summer after graduation are classified as freshmen; however, they must submit transcripts of their college work directly from the institution (college or university) awarding the college credit.

Exceptions to admissions requirements will be considered for applicants who can present extenuating circumstances such as special talents or high school profile. Prospective students can appeal their admissions decisions to the Vice President for Enrollment Management

a) **High School Graduates** (under 21 years of age)

- High school diploma or equivalent (GED certificate), satisfactory high school record; and
- Scholastic Assessment Test (SAT) scores from the College Entrance Examination Board or the American College Testing Program (ACT) scores. Test scores are optional.
- High school course prerequisites

Prospective students are required to have completed, at a minimum, the following high school units:

English	4 units
Mathematics	4 units
Laboratory Science	3 units
Foreign Language	2 units
Fine Arts	1 unit
Social Sciences	3 units
Physical Education or ROTC	1 unit
Electives	2 units

Prospective students should include four units of English that must have strong reading (including works of fiction and non-fiction), writing, communicating, and researching components. It is strongly recommended that students take two units that are literature based, including American, British, and World Literature. Mathematics requirements include Algebra I (Foundations in Algebra and Intermediate Algebra may count together as a substitute for Algebra I if a student successfully completes Algebra II), Algebra II, and Geometry; a fourth higher-level mathematics unit should be taken before or during the senior year. The laboratory science requirement includes two units taken in two different fields of the physical, earth, or life sciences and selected from among biology, chemistry, physics, or earth science; the third unit of laboratory science may be from the same field as one of the first two units or from any laboratory science for which biology, chemistry, physics, and/or earth science is a prerequisite. The two units of the same world language must have a heavy emphasis on language acquisition. The social sciences requirements include one required unit of U.S. History; a half unit of Economics and a half unit of Government are required. World History or Geography is strongly recommended. One unit in appreciation of, history of, or performance in one of the fine arts. This unit should be selected from among media/digital arts, dance, music, theater, or visual or spatial arts. One unit of physical education to include one semester of personal fitness and another semester in lifetime fitness. Exemption applies to students enrolled in Junior ROTC and for students exempted because of physical disability or for religious reasons. Two units must be taken as electives. A college preparatory course in Computer Science (i.e., one involving significant programming content, not simply keyboarding or using applications) is strongly recommended for this elective. Other acceptable electives include college preparatory courses in English, fine arts, foreign languages, social science, humanities, mathematics, physical education, and laboratory science (courses for which biology, chemistry, physics, or earth science is a prerequisite).

b) **Freshman, GED Certificates**

Applicants submitting the General Education Development (GED) certificate in lieu of a high school diploma must request their official GED score results be sent *directly* from the General Educational Development Testing Service along with an official copy of the high school transcript and SAT or ACT scores. Where appropriate, applicants presenting the GED will be reviewed by the Admissions Committee. Successful GED scores are defined as at least a 145 on each module and a 580 on the entire test.

2. Transfer Admission

An applicant is considered a transfer student when he/she has attended another postsecondary institution in any capacity after completion of high school regardless of whether or not the student earned credit at that institution. *All transfer students are required to submit a final official high school transcript.*

a) How to Apply as a Transfer student

1. Students who have earned 12 hours of college-level credit:

- Complete the online application
- Submit final official transcripts from all colleges attended;
- Be academically and otherwise eligible to return to all institutions previously attended; if applicant was suspended from a prior institution, the applicant must take action to restore eligibility to return to that institution; and
- Submit final official high school transcript

2. Students who have earned fewer than 12 hours of college-level credit:

- Complete the online application
- Submit final official transcripts from all colleges attended;
- Be academically and otherwise eligible to return to all institutions previously attended; if applicant was suspended from a prior institution, the applicant must take action to restore eligibility to return to that institution;
- Submit final official high school transcript;

b) Transfer Admissions Requirements

1. Students who have earned 12 hours or more of college-level credit:

- 2.0 cumulative grade point average on a 4.0 scale at the last college attended
- Official college transcripts sent directly from each institution attended
- Eligible to return to all previous institutions

2. Students who have earned fewer than 12 hours of college-level credit and are under 21 years of age:

- 2.0 cumulative grade point average on a 4.0 scale at the last college attended
- Official college transcripts sent directly from each institution attended
- Eligible to return to all previous institutions
- Must meet freshman admissions requirements

Students with unsatisfactory academic or conduct records at other colleges or universities are considered only if there are extenuating circumstances or time intervals (such as military or work experience) that would give clear evidence admission should be granted.

Note: Failure to submit prior records may constitute cause for dismissal from Lander University.

Exceptions to admissions requirements will be considered for applicants who can present extenuating circumstances such as special talents or high school profile. Prospective students can appeal their admissions decisions to the Vice President for Enrollment Management.

See pages 31-33 for policy on placement tests.

c) Transfer Credits

Academic transcripts of coursework successfully completed at an institution accredited by a regional accrediting agency will be considered for Lander University credit. Coursework completed at institutions accredited by other agencies recognized by the U.S. Department of Education may also be considered.

Courses may be transferable, provided the student earned a grade of "C" or better in each course. *Credits transferred to Lander are not used in computing the student's Lander grade point average.*

Lander University reserves the right to determine whether any particular course meets the requirements and standards of the University for transfer. *Although a course may be transferable, it may not necessarily apply to a particular major, program, or degree.*

Generally, credits earned in courses that fall into one or more of the following categories are not transferable to Lander:

1. Courses that are occupational or technical in nature;
2. Courses that are essentially remedial in nature;
3. Courses from a two-year institution which are considered upper division or upper level at Lander
4. Courses from two-year institutions that are not listed as part of that institution's college parallel program; and
5. Courses exempted through any form of testing or assessment at another institution.

d) Evaluation of Transfer Credits

Transfer applicants having completed all admission procedures and requirements at least 30 days prior to registration may view an evaluation of credits accepted by transfer to the University online at *www.lander.edu/bearcatweb*. Applicability of those credits toward a degree program is determined by the

major department or college in which the student is enrolled. The number of credits acceptable to the University and the number creditable toward a particular major degree or program may differ.

The American Council on Education (ACE) Transfer Guide is used to evaluate special courses, seminars, etc. *The ACE Military Guide* is used to evaluate military experience and training for college credit. Please contact the Registrar's Office for specific information.

International students wishing to transfer college-level credit must have a "course by course" evaluation completed by a Credential Evaluation Service certified by the National Association of Credential Evaluation Services (NACES). Contact the Office of International Programs for a listing of potential translation services. Descriptions for each course should be provided by the students. Costs associated for these services are the student's responsibility.

NOTE: Students who withhold any part of their record at another institution may be permanently dismissed without credit for work completed at Lander University.

See pages 32-33 for information relating to credit by examination that allows students to begin academic study at a level appropriate to their experience and enables adults to obtain credit for learning accomplished outside the classroom.

State Transfer Policy for Public Two-Year and Four-Year Institutions in South Carolina

The South Carolina Course Articulation and Transfer System serves as the primary tool and source of information for transfer of academic credit between and among institutions of higher education in the state. The system provides institutions with the software tools needed to update and maintain course articulation and transfer information easily. The student interface of this system is the South Carolina Transfer and Articulation Center (SCTRAC) web portal: www.SCTRAC.org. This web portal is an integrated solution to meet the needs of South Carolina's public colleges and universities and their students and is designed to help students make better choices and avoid taking courses that will not count toward their degree. Each institution's student information system interfaces with www.SCTRAC.org to help students and institutions by saving time and effort while ensuring accuracy and timeliness of information.

The state transfer policy is found in its entirety on the South Carolina Commission on Higher Education's web site at

http://www.che.sc.gov/CHE_Docs/AcademicAffairs/TRANSFER/RevisedTransferPolicyFINAL.pdf.

In order to comply with state guidelines, the following information is noted relative to Lander University:

Transfer Officer
Office of Registrar
Lander University
Greenwood, SC 29649-2099
Phone: 1-864-388-8503 (direct)
1-888-4LANDER (toll free)
Fax: 1-864-388-8028
Email: *registrar@lander.edu*

Prospective transfer students are also encouraged to refer to the University's homepage on the internet at *http://www.lander.edu* or the South Carolina Commission on Higher Education's website at *http://www.che.sc.gov*.

3. Readmission (of former students)

Any former student whose attendance at Lander has been interrupted for any reason for one or more fall and/or spring semesters must submit an updated application for admission. High school transcripts are required for all students if not previously submitted. Readmission to the University and to the program of study in which the student was previously enrolled is NOT automatic. In order for a former student to be reviewed for readmission, any indebtedness to the University must be settled.

a) How to apply as a returning student:

- Complete an online application;
- Submit final official transcripts from all colleges attended since last enrollment at Lander;
- Submit a final official high school transcript if not previously submitted

b) Requirements for a student wishing to return after completion of a suspension term:

- Complete an online application preferably by August 1 for fall consideration and December 1 for spring consideration;
- Complete an appeal for readmission form, signed by the advisor and dean of the appropriate college;
- Request a meeting with the academic advisor or department chair to discuss academic goals and a possible class schedule;
- Submit a letter from your advisor and/or college dean which provide evidence of advisement;
- Write a letter explaining the circumstances of the suspension and what measures have been taken to correct this in the future.
- Submit final official transcript(s) from any institution(s) attended during your absence from Lander; and
- Submit the entire appeal packet to the Office of Admissions.

The University Admissions Committee will review the application and make the decision concerning readmission: https://www.lander.edu/admissions/undergraduate/returning-students.

Students completing their term of suspension must submit their application for admission prior to the following preferred deadlines:

Fall 2022 semester - August 1, 2022
Spring 2023 semester - December 1, 2022

4. Second Undergraduate Degree Admission

Requirements for a second undergraduate degree include:

- A completed application for admission; and
- An official transcript sent directly from each institution attended.

For degree completion, at least 31 credit hours not counted toward the first degree, including a minimum of 12 credit hours of 300- and 400-level credit in the major, must be earned through instruction by Lander University.

Students who have earned a bachelor's degree from a regionally accredited institution are not required to meet the general education requirements for the second undergraduate degree, except for those courses that are prerequisites to the second-degree program requirements as outlined on page 229.

Non-Degree-Seeking Admission

Applicants who wish to attend Lander for one semester or for some limited time and who do NOT intend to pursue a degree at Lander may be approved to do so by submitting an Application for Admission. The Office of Admissions reserves the right to identify the proper category of admission and to determine what credentials may be required. Courses completed as a non-degree student carry full Lander University credit; however, none of the hours earned are applicable to a degree until the student applies and qualifies for degree-seeking admission. Non-degree seeking students are not eligible to receive financial aid.

See pages 32-33 for policy on placement tests.

1. Special Students

Special students are undergraduate students who wish to enroll in courses but do not intend to earn a degree at Lander. A maximum of 30 credit hours may be attempted in this category. Special student status is not a "trial admission" status or one for candidates who apply too late to submit credentials for consideration for regular admission. Applicants who have been officially denied admission as degree-seeking students are not eligible to apply as special students. Special students must complete an application for admission and submit proof of high school/college graduation in order to be reviewed for admission.

2. Concurrent/Dual Enrollment Students

High school students may enroll in Lander University courses, subject to the following requirements:

- High school junior or senior status;
- College prep high school curriculum;
- Minimum 3.5 grade point average; and
- High school guidance counselor approval.

High school students who enroll in a course through a cooperative arrangement with a local school district are subject to the following requirements:

- High school junior or senior status;
- College prep high school curriculum;
- Minimum 3.0 grade point average; and
- High school approval.

3. Audit

Auditing a course consists of attending classes and listening without the responsibility for any course assignments or examinations. No credit is earned by auditing a course and no credit may be earned in an audited course by examination or otherwise. No audited course may be repeated for credit at a later date and students may only audit the same course one time.

Students seeking admission solely for the purpose of auditing are required to meet normal non-degree seeking admissions criteria. There is no application fee required to audit a course.

After the application process is complete, students must contact the Office of the Registrar. The dean of the college offering the course will be notified of the audit request. Once approval is granted, the Office of the Registrar will complete the course registration if all requirements have been met.

A student who has registered for a course on an audit basis and who wishes to change the registration to take the course for credit or a student who has registered for a course on a credit basis and who wishes to change the registration to take the course by audit, may do so by notifying the Office of the Registrar by the last day to add a class or register.

4. Transient

Students who are eligible to return to the last college attended and who have a course of study approved by that institution will be considered for admission in this category. Students should seek written approval from their home institution. *Transient students normally attend only for one semester or for a summer session*. A coursework approval form/letter is required and permits the student to enroll in only those classes on the form/letter. Transient students are not eligible for financial aid.

5. Recertification (Elementary and Secondary School Teachers)

Students wanting to upgrade their certification may apply as special students (see above). In addition to the Application for Admission, students in this category should submit a copy of their state certification. No other documents or records are required unless the student intends to earn a second undergraduate degree.

Credit earned while attending as a non-degree candidate may be used toward a degree only after the student has applied for and been accepted into a degree program. An applicant denied admission to any degree category is not eligible for admission as a special non-degree student. The period of enrollment in these categories is limited either by time or by number of allowable credits.

International Students

Lander University welcomes the applications of qualified students who are not citizens of the United States. Such students may be admitted to Lander under the following regulations in addition to the general admission requirements that all applicants must fulfill.

1. Degree-Seeking Students (F-1 Student Visas)

a) An application for undergraduate or graduate admission;

b) In order to ensure the authenticity of documents and to provide consistent and fair evaluations, Lander requires all international transcripts and score results to be evaluated and verified by a Credential Evaluation Service certified by the National Council on the Evaluation of Foreign Education Credentials (NACES), www.naces.org. Students should request a "course by course" evaluation. Students may be asked to provide course descriptions or syllabi to determine how individual courses might transfer to Lander. Costs associated with using these services are the responsibility of the student.

c) English proficiency. While degree-seeking international students must be proficient in English before acceptance, this proficiency may be demonstrated in one of the following ways.

1) TOEFL (Test of English as a Foreign Language) score. The minimum score on the TOEFL 70. TOEFL's institutional code for Lander is 5363.

2) International English Language Testing System (IELTS). The minimum score is a 6.0 with no subtest scores of less than 5.0.

3) Duolingo minimum score of 105

4) Test of English for International Communication (TOEIC). The minimum score is 600.

5) English being the official native language. The Office of International Programs maintains a list of countries whereby English is considered to be the native language.

6) Completion of the equivalent of Lander's ENGL 101 and ENGL 102 from a regionally accredited college or university in the United States.

7) Appropriate English subscore on SAT/ACT: 450 SAT or 18 ACT verbal

8) Hold a bachelor's degree from a regionally accredited United States college or university.

d) Entrance Examinations. Lander does not require entrance testing, however, if students wish to be considered for Freshman academic scholarships, they are required. Scholastic Aptitude Test (SAT) or American College Testing Program (ACT) scores results should be sent directly from the College Entrance Examination Board (Lander school code 5363) or the American College Testing Program (Lander school code 8360) to the Office of Admissions.

e) Students must submit an affidavit of support indicating the source of funds being made available to the student to cover all educational and living expenses while enrolled at Lander. This affidavit must indicate the amount of money being provided and the length of time the funds will be available. If sponsorship is through an organization or government agency, the Office of International Programs should be notified directly by the sponsor of the terms of scholarship support. In all cases, students will be responsible for paying their fees at the time of registration. The international fees sheet will provide information about expenses:
(https://www.lander.edu/intranet/admissions/undergraduate/international-students/important-forms)

Please note that expenses may change without notice.

2. Exchange/Visiting Students (J-1 Student Visas)

a) An application for undergraduate or graduate admission;

b) English proficiency. While exchange international students must be proficient in English before acceptance, this proficiency may be demonstrated in one of the following ways.

1) TOEFL (Test of English as a Foreign Language) score. The minimum score on the TOEFL is 70. TOEFL's institutional code for Lander is 5363.

2) International English Language Testing System (IELTS). The minimum score is a 6.0 with no subtest scores of less than 5.0.

3) Test of English for International Communication (TOEIC). The minimum score is 600.

4) Duolingo minimum score of 105.

5) English being the official native language.

6) Completion of the equivalent of Lander's ENGL 101 and ENGL 102 from a regionally accredited college or university in the United States.

7) Appropriate English subscore on SAT/ACT: 450 SAT or 18 ACT verbal

8) Hold a bachelor's degree from a regionally accredited United States college or university.

c) Students must meet stipulated academic requirements as established through memorandum agreements.

d) Students must submit an affidavit of support indicating the source of funds being made available to the student to cover all educational and living expenses while enrolled at Lander. This affidavit must indicate the amount of money being provided and the length of time the funds will be available. If sponsorship is through an organization or government agency, the Office of International Programs should be notified directly by the sponsor of the terms of scholarship support. In all cases, students will be responsible for paying their fees at the time of registration. The international fees sheet will provide information about expenses:
(https://www.lander.edu/intranet/admissions/undergraduate/international-students/important-forms)

Please note that expenses may change without notice.

Lander University reserves the right to request other information that may be necessary to evaluate the application.

All credentials for international students should be submitted *several months* prior to the expected term of enrollment. Applications arriving after the deadline will be considered for the next term.

Upon acceptance, a Certificate of Eligibility (Form I-20/DS2019) is issued. This form will be used to apply for an F-1/J-1 visa. Undergraduate holders of F-1/J-1 visas must enroll as full-time students with a minimum course load of 12 credit hours for every semester that they are in the United States. Further information is available from the Office of International Programs.

International students must provide the Immunization Form and Tuberculosis Screening Form completed by a Health Care Provider.

Health and Accident Insurance: All international students and their dependents residing in the United States must participate in the student insurance program. Information concerning the limits and benefits of this insurance can be obtained from the Student Wellness Center.

For questions regarding:

- Campus employment
- Filing of state and federal taxes
- Internships
- I-20 (travel documents)
- Maintaining SEVIS record
- Obtaining a social security card
- Obtaining a S.C. driver's license
- OPT procedures

Contact: International Officer: Jeff Constant, Primary Designated School Official
Office of International Programs
Jackson Library
jconstant@lander.edu

Military Students/Veterans Affairs

The Registrar's Office houses a Veterans Affairs school certifying official (SCO) who is available to assist veteran students and their family members in using their veteran affairs benefits at Lander University. The SCO provides assistance in matters relating to applying for benefits, certification of enrollment, and transmitting necessary enrollment information to the proper VA regional office. Veterans/service members and dependents receiving military benefits have priority registration. Information (including VA Pending Compliance) is available at https://www.lander.edu/admissions/military-veterans-services.

The Office of Enrollment and Access Management houses a Director of Military and Veterans Services who is responsible for recruitment and retention of military and veteran students. The Veteran Services representative will also assist the SCO with military and veteran earned education benefits. Along with these duties, the Director of Military and Veterans Services will be available to assist with military and veteran issues that may arise while attending Lander University.

South Carolina Residents over 60 years of age

South Carolina residents at least sixty (60) years of age are permitted to attend classes at Lander on a space-available basis without payment of tuition with the proper documentation. These students must be South Carolina residents. Qualified residents are eligible to register on a space available basis on the first day of classes for each semester or summer session.

Admissions Checklist

- Submit an online application for admission
- Proof of South Carolina residency
- Senior Citizen Free Tuition Application

South Carolina Law: Section 59-111-320 of *The Code of Laws of South Carolina, 1976*, as amended, authorizes state-supported colleges and universities, and institutions under the jurisdiction of the State Board for Technical and Comprehensive Education to permit legal residents of South Carolina who have attained the age of sixty to attend classes for credit or noncredit purposes on a space available basis without the required payment of tuition, if these persons meet admission and other standards deemed appropriate by the college, university, or institution.

Special Notes: Lander University further stipulates that the "no payment of tuition" opportunity may only be applied for the first attempt of a course. An exception will be given if the qualified resident is a degree-seeking student and repetition of a course is necessary for graduation requirements. Qualified residents will be allowed to register for classes on the first day of classes for each semester or summer session.

Academic Renewal

Academic renewal provides an opportunity for former students with poor academic records to resume their studies without the burden of the previous grade point average (GPA). Former students who have not attended Lander for at least three years and who have a cumulative grade point average (GPA) below a 2.0 may wish to consider applying for academic renewal.

Students seeking academic renewal must complete an Application for Admission the semester prior to enrollment, be admitted to the University, enroll, and then complete the Academic Renewal form after the first day of classes and before the last day of classes for the first term of study following the absence. Students approved for academic renewal will be placed on academic probation but have the benefit of resuming their studies at Lander with a GPA of zero. Academic renewal may be granted only once, is irreversible, and disqualifies the student for graduation with honors. Refer to pages 39-40 for details on how Academic Renewal is applied to the student's record.

Immunization Requirements

Lander University follows the CDC's and the American College Health Association's recommendations regarding immunizations for college students. All students, parents, and guardians are encouraged to learn more about serious communicable diseases and to make informed decisions regarding protection.

Immunization requirements must be met and on file at Student Health Services **before** a student registers for classes. In order to avoid disruption of the registration process, students should have all of their immunization requirements and their health services forms sent to the Wellness Center prior to their orientation date. A copy of the health services form can be downloaded at https://www.lander.edu/sites/lander/files/Documents/student_life/Student%20Health%20Services%20Form%202020.pdf.

Required Immunizations

- **Two doses of MMR (measles, mumps, and rubella)**
- **Meningococcal ACYW vaccine**
- **TDap (administered within the last 10 years)**

****INFORMATION REGARDING MENINGOCOCCAL VACCINE****

The Centers for Disease Control and Prevention recommends that college students be educated about the benefits of vaccination against meningitis (a potentially fatal bacterial infection) and Hepatitis B. The recommendation is based on recent studies showing that college students, particularly freshmen in residence halls, have a six-fold increased risk for meningitis and an increased risk of Hepatitis B. In addition, the State of South Carolina requires higher education institutions to inform students and parents about the risk of contracting these diseases and the availability

of preventive vaccines. The University now recommends all incoming students age 21 and under to be immunized against **Meningococcal Disease**. The vaccination is available at Student Health Services, physicians' offices or local health departments. Meningococcal Disease is a rare but potentially fatal bacterial infection. Adolescents, as well as young adults, have an increased incidence of Meningococcal Disease, accounting for nearly 30 percent of all U.S. cases. One out of four case among adolescents results in death. The majority of Meningococcal Disease cases among adolescents and young adults are potentially vaccine-preventable. Lifestyle factors common among adolescents and young adults seem to be linked to the disease. These include crowded living situations such as residence halls, going to bars, smoking, sharing personal items, and irregular sleep habits. When meningitis strikes, its flu-like symptoms make it difficult to diagnose. Transmission of the disease occurs from person to person through respiratory or oral secretions. Lander University and the American College Health Association highly recommend that students be educated and that they consider being vaccinated against this disease.

Recommended Immunizations

- Gardasil* (for females age 11 to 26 for bivalent and quadrivalent vaccine and males 9 to 26 for quadrivalent vaccine)
- Hepatitis B
- Varicella (chicken pox)
- Meningococcal B vaccine

Immunization Exceptions

Students may be exempt from the above immunizations on grounds of permanent medical contraindication or conflicting religious beliefs, with the submission of completed paperwork from their physician or clergy.

Additional Immunization Requirement for International Students

Beginning in Fall 2017, students from a high-risk group* will be required to have their Tuberculosis testing completed in Student Health Services once they are in the United States. This blood test rules out active TB and involves a nominal fee.

*Categories of high-risk students include those students who have arrived within the past 5 years from countries where TB is endemic. It is easier to identify countries of low rather than high TB prevalence. Therefore, students should undergo TB screening if they have arrived from countries EXCEPT those on the following list: Albania, American Samoa, Andorra, Antigua and Barbuda, Aruba, Australia, Austria, Bahamas, Bahrain, Barbados, Belgium, Bermuda, Bonaire, Saint Eustatius and Saba, British Virgin Islands, Canada, Cayman Islands, Chile, Cook Islands, Costa Rica, Croatia, Cuba, Curacao, Cyprus, Czechia, Denmark, Egypt, Estonia, Finland, France, French Polynesia, Germany, Greece, Grenada, Hungary, Iceland, Iran (Islamic Republic of), Ireland, Israel, Italy, Jamaica, Japan, Jordan, Lebanon, Luxembourg, Malta, Monaco, Montserrat, Netherlands, New Zealand, Niue, Norway, Oman, Poland, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Samoa, San Marino, Saudi Arabia, Seychelles, Saint Maarten (Dutch part), Slovakia, Slovenia, Spain, Sweden, Switzerland, The Former Yugoslav Republic of Macedonia, Tokelau, Tonga, Trinidad and Tobago, Turkey, Turks and Caicos Islands, United Arab Emirates, United Kingdom of Great Britain and Northern Ireland, U.S. Virgin Islands, Wallis and Futuna Islands, West Bank and Gaza Strip.
(Source: World Health Organization Global Health Observatory, Tuberculosis Incidence 2015)

Information on the test can be found here: http://www.quantiferon.com/irm/content/quantiferon-tb-gold1.aspx?RID=300

Students will not be allowed to preregister or register without filing a completed immunization form with the Health Services Office. Questions regarding this policy may be directed to the Health Services Office (864) 388-8885 or fax (864) 388-8456.

Students with Disabilities Policy

Lander University recognizes its responsibility to assist academically qualified students with disabilities to achieve their academic goals. To this end, Lander University has made, and will continue to make, every effort to ensure that its physical facilities are accessible to students with disabilities. Elevators and lift devices, reserved parking spaces, properly equipped restrooms, and ramps are available.

In addition to removing physical barriers, Lander University is committed to ensuring equal access to academic and nonacademic programs. While Lander University will neither lower its academic standards nor alter degree

requirements, it will make appropriate academic adjustments and reasonable modifications to policies and practices to allow the full participation of students with disabilities in the same programs and activities available to nondisabled students. The modifications do not give disabled students a competitive edge but rather eliminate competitive disadvantages, as required by the Rehabilitation Act of 1973 and the American Disabilities Act of 1990.

Services for Students with Disabilities

Lander University is committed to making programs and activities available to qualified students with disabilities. The advocate for students with disabilities coordinates services for students with disabilities, assists students with disabilities in determining reasonable accommodations based on disability, and acts as a liaison between students and faculty/administration on concerns relating to appropriate accommodations for students with disabilities. Director of Disability Services is also available to meet with prospective students to discuss services available at Lander University. The Director of Disability Services is located in the Lander Wellness Center.

Course Substitutions

In some cases, a specific learning disability can interfere with a student's successful completion of a course (e.g., foreign language and mathematics courses). **Appropriate documentation from a psychologist that specifically addresses this issue is required.** Course substitutions cannot be permitted if the course is determined essential to a student's major. For more details about this accommodation, see the Office of Student Disability Services website at https://www.lander.edu/campus-life/wellness-center/disability-services.html.

Services Available

Reasonable accommodations are available for physically and learning disabled students. **Documentation of disability is required. It is the student's responsibility to inform the Office of Disability Services of any need for services in adequate time to allow for their arrangement.**

The following services are examples of accommodations provided to the groups of disabled students listed below.

Students with Learning Disabilities

The University attempts to make reasonable accommodations for students with learning disabilities to have access to success.

The types of accommodations a student is eligible to receive based on a learning disability are determined on a case-by-case basis by the student and the Office of Disability Services, based on the information contained in appropriate documentation (up-to-date psych/educational evaluation not more than three-years old) which the student is responsible for providing, as well as a personal interview. "Faculty Contact Accommodation Information" is provided to each professor at the beginning of each semester to inform professors of the accommodation(s) the student may require. It is required that the student discuss with each professor the student's accommodation requirements at the start of each new semester (The Director of Disability Services is available to accompany the student in the initial meeting with the professor at the student's request).

Although the University is committed to providing academic accommodations to students with learning disabilities, there is no specific program for students with learning disabilities at the University. Students with learning disabilities may find, however, that the support services available to the general student population are also useful to them.

Disability Accommodations Committee

When a student with a disability strongly feels that reasonable accommodations have not been made, that student should seek resolution within the administrative channels for the area in which accommodation is in question. The student may arrange an appointment with the Director of Disability Services to assist in mediation of the situation. If a satisfactory outcome is not attained, the student may request a hearing of the matter by a duly appointed *ad hoc* committee chaired by the Coordinator of Disability Services. The committee consists of representatives from each college, as well as pertinent campus offices. The creation of this committee was necessitated by the need to provide fair review of accommodation requests and of different situations that may arise regarding the provision of reasonable accommodations to students. The committee is conducted by situational case review without using any names of students and faculty/staff involved. The recommendation of the committee is made available to the student and/or any other person(s) directly involved.

For Further Information

Students needing more information should contact the Wellness Center at the address below. If there is a need for special assistance, it is the student's responsibility to inform the Office of Disability Services in sufficient time to allow for the arrangement of services. Prospective students should feel free to contact the Director of Disability Services to discuss services available at the University. Inquiries should be directed to:

Samelia Abney, M.Ed.
The Wellness Center, Lander University
Greenwood, SC 29649-2099
(864) 388-8885
Email: sabney@lander.edu

Housing Accommodation Requests by Students with Disability

Housing and Residence Life provides a variety of housing options. The majority of rooms in the residence halls are double occupancy and a few are equipped to meet the needs of students with disabilities. Students requiring single room occupancy may request a private room. Students with disabilities should request housing needs as soon as they are admitted to the university. All documentation is due to the Office of Disabilities by May 1st for new students and February 1st for returning students. Documentation submitted later will be considered and Lander University will make a good faith effort to provide reasonable accommodations, but may not be able to guarantee that appropriate residential provisions will be completed within that semester.

Students requesting housing accommodations need to meet with the Office of Disabilities and submit all necessary documentation as soon as possible be to secure the requested accommodation. Late submissions will receive housing accommodations only if space becomes available.

Important information regarding special accommodation requests:

- The fact of medical diagnosis does not guarantee or automatically qualify the student for a special or priority room assignment.
- Lander University provides many types of housing in multiple residence halls. Statements or recommendations from your physician or treating medical professional should not be interpreted as automatic approval of a specific housing accommodation or room assignment.
- Residential Life is unable to provide special housing accommodations based solely on a diagnosis of ADD, ADHD, or Generalized Anxiety Disorder.
- Disability or specific medical need will take priority over residence hall preference.
- Accommodations are provided to the individual student, if approved, not to her/his group or preferred roommates. The student is required to assess the importance and significance of the accommodation versus preference of roommate(s) or residence hall.
- Single-occupancy rooms are very limited in on-campus housing, and may not be recommended except in cases involving clear and substantiated need.

These two departments will consult to consider the accommodation requested:

Department of Housing and Residence Life
Lander University
CPO Box 6019
320 Stanley Avenue
Greenwood, SC 29649-2099
(864) 388-8266

Office of Student Disability Services
The Wellness Center
Lander University
320 Stanley Avenue
Greenwood, SC 29649-2099
(864) 388-8885

FEES AND EXPENSES

Basic Expenses (Full-Time Students)

Current tuition and fees may be accessed on-line:
https://www.lander.edu/about/finance-administration/business-office/index.html

Basic expenses include an activities fee to cover the Student Government Association programs, intramural programs, and admission to athletic events.

Basic expenses for a residential student cover university fees, room and board, and health service. Students living in the residence halls are required to participate in a meal plan. Please refer to the housing contract terms for detailed information regarding the meal plan. Special diets must be approved in advance by the Vice President for Student Affairs.

Part-Time Students

Any student enrolled for less than 12 credit hours is classified as a part-time student.

Legal Resident Defined

For fee purposes, state law defines South Carolina residents as "persons who have been domiciled in South Carolina for a period of no less than 12 months with an intention of making a permanent home therein."

Further, "independent persons who reside in, and have been domiciled in South Carolina for fewer than 12 months but who have full-time employment in the State, and their dependents, may be considered eligible for in-state rates for as long as such independent person is employed on a full-time basis in the State."

Students who have any questions about residence for the purpose of determining fees should consult with the Director of Admissions.

Other Fees and Expenses*

Applied music fees - (10-12 hours of private instruction) Students majoring or minoring in music and taking applied music will be charged an additional $200.00 per semester for one hour applied lessons (MUSK, MUSN, MUSV: 150, 151, 250, 251, 350, 351, 450, 451).

Students majoring or minoring in music and taking applied music will be charged an additional $100.00 per semester for 30-minute applied lessons (MUSK, MUSN, MUSV: 152, 153, 154, 155, 252, 253, 254, 255, 352, 353, 354, 355, 452, 453, 454, 455).

Audit - Current audit fees may be accessed on-line at:
https://www.lander.edu/about/finance-administration/business-office/index.html.

Course Overload Fee - Students enrolled in 18 hours or more will pay an additional $446 (Undergraduate) or $492 (Graduate) per credit hour over 18.01 hours.

Orientation Fee – Freshman students will be required to pay a $120.00 orientation fee that will be included as part of the bill. Transfer students will be required to pay a $50.00 orientation fee that will be included as part of the bill. Orientation fees do-not apply to the basic expenses.

International Students - All students classified as international students will be required to participate in the Lander University International Student Insurance Program. No exceptions will be made to this policy. International students are required to purchase mandatory student medical insurance coverage offered through an outside company. A one-time matriculation fee of $300.00 will be assessed for new and transferring international students.

Graduation - Candidates for bachelor's degrees are charged a non-refundable fee of $75.00 to cover cost of diploma, cap and gown. A student who orders a diploma and does not graduate on the anticipated date will need to re-apply and pay another graduation fee.

Late Registration Fee - A $100 fee will be assessed to students dropped for non-payment of fees and later wish to reregister.

Nursing Special Expenses - In addition to university tuition and fees, nursing students will have additional expenses. Please see the *School of Nursing Policy and Procedure Manual*.

Returned Checks - A charge of $25.00 will be made for any check returned by the bank.

Housing Application Fee - A boarding student is required to pay a $150 non-refundable housing application fee for the academic year. Please refer to the Housing Contract terms for detailed information regarding this fee.

Single Room - A student who requests single occupancy in a double room will be charged an additional fee equal to one-half the semester rate for the residence hall in which he or she lives. Single occupancy will be allowed when space is available.

Textbooks - A student must pay for books when purchased. The cost of books varies depending on the courses taken. The student should allow at least $600.00 per year for textbooks.

Vehicle Registration Fee - Parking on the Lander campus is limited to those vehicles displaying a valid Lander University parking decal. To obtain a parking decal, students must register vehicles with the campus University Police Department. The fee for vehicle registration is $50.00 per semester or $100.00 per academic year. Vehicle registrations must be updated in August of each year. Permits may be purchased through the LUPD link https://www.permitsales.net/lander.

All fees are subject to change. Please visit the website for the most current information:
https://www.lander.edu/about/finance-administration/business-office/index.html

Refund Policy

When a student leaves the University before the end of a fall or spring semester, voluntarily or through dismissal, University fees (tuition) will be refunded as follows:

last day for registration and drop/add 100%
before expiration of 10% of the semester 90%
before expiration of 25% of the semester 50%
before expiration of 50% of the semester 25%

Lander students receiving Federal Direct Loans, Federal Direct Plus Loans, Federal Perkins Loans, Pell Grants, or Federal SEOG Grants are governed by a federally mandated pro-rata Return of Title IV Fund regulation if they withdraw prior to completing 60% of the term.

Refunds/returns are distributed in the following order:

Federal Direct Unsubsidized Loans
Federal Direct Subsidized Loans
Federal Perkins Loans
Federal Direct Plus Loans
Federal Pell Grants
Federal Supplemental Educational Opportunity Grants (FSEOG)
Iraq and Afghanistan Service Grants
State-funded Scholarships and Grants
Institutional Funds
Other Funds

The date in determining refunds is the official withdrawal date used by the Office of the Registrar.

Conditions for refunds of room and board and breakage deposits are listed on Residence Hall Contract.

No refunds or reductions of basic charges will be made due to a change in status (e.g., from full-time student to part-time student) after the last day for registration and drop/add for each fall or spring semester. No refunds will be made to part-time students for reduction of hours after the last day for registration and drop/add for each fall or spring semester. Refunds for the summer sessions may be accessed at:
https://www.lander.edu/about/finance-administration/business-office/index.html

No reductions from any charge are made for holidays or for absence from the University. A boarding student will pay full charges for meals, regardless of the number of meals taken in the dining hall.

In the event the University must suspend or close due to force majeure, no adjustment of tuition of fees and/or financial aid shall be made. “Force majeure” shall mean any cause or event, which is outside of the University and may include war, flood, storm, epidemic, or financial exigency

In order to receive academic credits, grade reports, transcript of record or degree, a student’s indebtedness to the university must be settled, and the student must account satisfactorily for all property entrusted to the student’s care.

It is further the policy of the university that any outstanding balance due to the university after the student ceases to be enrolled is subject to referral for collection. The student will be responsible for the fees of any collection agency, which may be based on a percentage at a maximum of 33.3% of the debt, and all costs and expenses, including reasonable attorney fees incurred in such collection efforts.

FINANCIAL AID

Financial assistance is necessary for many students to be able to pursue a higher education. While the process may seem overwhelming at times, please read the information carefully and remain in constant contact with the Financial Aid Office if you have any questions about your status.

Limited information regarding financial aid is provided in the university catalog and the student handbook; for details and the most current information concerning financial aid at Lander University, please visit: https://www.lander.edu/admissions/tuition-financial-aid/index.html

For information regarding the SC state scholarship programs (Palmetto Fellows, LIFE, HOPE, National Guard College Assistance Program), please visit the SC Commission on Higher Education website at: http://www.che.sc.gov.

Application Process

Lander University uses the Free Application for Federal Student Aid (FAFSA) to award all federal and state sponsored financial aid programs, which include grants, work-study, student loans and parental loans. No additional institutional application is necessary; however, the Financial Aid Office may require supplementary information during the awarding process. Students are encouraged to respond to all requests for information in a timely manner. The FAFSA must be completed for each academic year that aid is requested. The Financial Aid Office awards aid upon receipt of the results of the FAFSA throughout the academic year. However, students whose FAFSA results are received by the **priority deadline** of **November 1** preceding the fall term will be considered for all aid programs. Funding is limited for students whose applications are received after the priority deadline so students are strongly encouraged to file the FAFSA electronically and follow up immediately with required documents in order to complete their file by the **November 1** priority deadline. Students who submit documents after August 1 for the upcoming fall semester must make payment arrangements until these documents are processed.

Types of Aid

Scholarships and grants are gift aid and do not require repayment. Work programs allow the student to work part-time and receive payment for hours worked. Loans must be repaid, but students are not required to do so until six months after they drop below half-time or cease to be enrolled (note that while payments are not required while enrolled at least halftime for unsubsidized student loans, interest accrues while the student is in school unless it is paid). In order to qualify for federal funds, a student must meet the eligibility criteria listed on the Free Application for Federal Student Aid (FAFSA). In addition, students must be enrolled at least half time for most programs. The FAFSA can be completed online at https://studentaid.gov/h/apply-for-aid/fafsa. A brief description of the federal programs can be found on the FAFSA website. A more detailed description of the financial aid process and programs is available online at https://studentaid.gov/.

The most common programs at Lander University are:

1. Federal Pell Grant
2. Federal Supplemental Educational Opportunity Grant (SEOG)
3. Federal Work-Study
4. Federal Direct Student Loans (Subsidized and Unsubsidized)
5. Federal Parent Loan to Undergraduate Students (PLUS)
6. S.C. Palmetto Fellows Scholarship
7. S.C. Legislative Incentives for Future Excellence (LIFE)
8. S.C. HOPE Scholarship
9. S.C. Need-Based Grant
10. S.C. Teaching Fellows Program
11. S.C. Teachers Loan Program
12. S.C. Air and Army National Guard College Assistance Program (CAP)
13. Lander Foundation and other University Scholarships
14. VA Benefits

Satisfactory Academic Progress

In addition to maintaining all general federal aid requirements, students receiving all federal funds and most state funds must maintain satisfactory academic progress in order to receive these funds. Certain programs have more stringent requirements than those listed. In order to maintain satisfactory progress and continue to receive assistance, a student must meet the criteria in three distinct areas listed below.

1. Quantitative Evaluation (Completion Ratio)

The quantitative evaluation requires that all students pass a percentage of ALL attempted hours. *The percentage is calculated by dividing the overall passed hours by the overall attempted hours. (Passed ÷ Attempted = Ratio). Passed hours include transfer hours for which a student may, or may not, receive earned hours toward graduation at Lander. This standard is designed so students may reasonably complete their degree within the required maximum time frame. The minimum standards are outlined below:

Overall Hours Attempted	Minimum Completion Ratio Required
0-29	50%
30-59	58%
60-	67%
Graduate	67%

*****Attempted hours include Pass/Fail courses, withdrawals, repeated courses, and failed courses. Summer hours are included. All transfer hours attempted from all institutions (including withdrawals or failing grades) and hours for which a student did not receive financial aid are counted. Courses that are dropped during the regular Drop/Add periods and are not reflected on the academic transcript are not counted.

2. Qualitative Evaluation (GPA)

The qualitative evaluation requires that students maintain a minimum level of academic achievement. The current levels of academic achievement are provided below:

Cumulative Hours Passed	Minimum Cumulative Grade Point Average Required
0-29	1.700
30-59	1.900
60-	2.000
Graduate	2.000

3. Time Frame Evaluation

The time frame evaluation limits the length of time that undergraduate students can receive federal and state funding to complete degree requirements. An undergraduate student cannot be eligible for federal or state aid after ***attempting*** more than 187 credit hours. A student who cannot mathematically finish their program within the maximum time frame is not eligible for aid. For example, a transfer student has attempted 150 credit hours but still needs 60 hours to complete their degree requirements at Lander; they are not eligible because they only have 37 credit hours remaining before reaching the 187 maximum.

This standard applies to all undergraduate degree candidates, including second-degree students and includes transfer hours from ALL prior institutions. See #1 above for a definition of hours counted as attempted hours. Undergraduate

students who are enrolled in a program of study requiring more than 125 hours for completion of the degree may appeal for an extension of the time frame.

Graduate students must complete all degree and graduation requirements within 54 credit hours.

Satisfactory Academic Progress Evaluation Procedure

Evaluation is conducted after spring grades are official each academic year. Satisfactory Academic Progress evaluations must take into consideration ALL periods of enrollment, including periods in which the student did not receive financial aid. Students who do not meet the criteria at the end of an academic year will no longer be eligible for aid – **THERE IS NO WARNING PERIOD**. **Students who fail to meet the Satisfactory Academic Progress standards are not eligible for federal or state aid** until they meet the standards. Students who fail to meet the Satisfactory Academic Progress standards will be notified by the Financial Aid Office. Information on the appeals process will be included with the notification.

Evaluation for the time frame criteria will be conducted throughout the year. Students will be notified if they are not eligible to receive funds in future terms or warned if they are approaching the time frame limits. Transfer grades and credits are evaluated at the time of receipt for students transferring into Lander University. ALL transcripts from ALL prior institutions must be received and articulated before any financial aid or Satisfactory Academic Progress appeals can be processed. Transfer students must meet the above Satisfactory Academic Progress standards to be considered eligible for aid.

Appeals to Satisfactory Academic Progress Decisions

All students who are denied aid due to failure to maintain Satisfactory Academic Progress may appeal in writing to the Financial Aid Office. Completed appeal forms must be received by the date specified in the notification to the student. If the Financial Aid Office determines that mitigating circumstances prevented a student from maintaining Satisfactory Academic Progress and those circumstances have been resolved, the student may be allowed to continue eligibility for one probationary term at a time or until the student is making satisfactory progress.

Students who are enrolled in a program that requires more than 125 hours to complete the degree may appeal to receive an extended time frame. The extended time frame may vary depending upon the program, but will not exceed 150% of the program length as published in the catalog or documented by the department chair.

All appeals must include an academic plan (signed by an advisor) detailing an anticipated graduation timeframe and in some cases may restrict students to specific courses or enrollment loads.

Adjustments to Aid

Lander University reserves the right to adjust any aid awarded based on verification of eligibility or enrollment status. Further, at any time that new, corrected, or additional information becomes available, Lander University reserves the right to review any aid for accuracy and eligibility and to make adjustments as necessary. If transcripts received after the beginning of the term cause students to not adhere to the Satisfactory Academic Progress policy, the student will be liable for any aid already received for that term. Total aid (including scholarships, grants, loans and Federal Work-Study) is limited to the student's Cost of Attendance (COA) as determined by the Financial Aid Office.

Installment Payment Plan

The university offers a semester installment payment plan that divides the charges for tuition, fees, room, and board into multiple installments each semester. Information on this plan is available from the Business Office website at: https://www.lander.edu/about/finance-administration/business-office/index.html .

Mail and Email

The Financial Aid Office uses the official Lander email address for communications with students about awards, requirements, and most other aid-related issues. On occasion, letters may be sent to the address of record. Students are responsible for checking their Lander email regularly (at least once per week) and maintaining their email accounts and mailing addresses consistent with University policy. Failure to receive an email or a mailing sent by the Financial Aid Office is the responsibility of the student.

Return of Title IV Funds

Federal regulations require each educational institution to have a written policy for the refund and repayment of federal aid received by students who withdraw during a term for which payment has been received. This policy is effective only if the student completely terminates enrollment (i.e. cancels his/her registration, withdraws, or is dismissed) or stops attending classes before completing more than 60 percent of the enrollment period. All returned funds will be distributed back to the aid programs in the order prescribed by law. The amount of refunded fees for students who withdraw will be calculated based on the percentage of the aid earned before separation as outlined in federal law. Students who may be eligible for post-withdrawal disbursements will be notified in writing. Students may contact the Business Office for details or visit:
https://www.lander.edu/about/finance-administration/business-office/index.html .

Student Work Programs

Many part-time student jobs are available each year from the Federal Work-Study Program and Lander's student assistant work program. Students interested in seeking employment on campus should check employment postings and procedures at
https://www.lander.edu/student-life/career-services/campus-student-employment.

Summer School Aid

Aid for summer school is based on unused eligibility from the academic year immediately preceding summer enrollment. Students who wish to be considered for summer aid must have a current FAFSA on file and must complete a separate, one-page application in the Financial Aid Office. Summer Aid applications are available by March 1 each year and are processed in the order in which they are received. Students should plan in advance to reserve aid eligibility if they know they must attend summer school. Most summer aid eligibility requires enrollment in at least six (6) hours over the course of the summer for undergraduates and (3) hours for graduate students. Students are not eligible to receive aid for enrollment at another institution (limited exceptions for study-abroad apply). Contact the Financial Aid Office for more information regarding aid for summer school.

Scholarships

All institutional awards are contingent upon funding.

Scholarship Eligibility Policy

Incoming Freshmen: Lander Academic scholarships are awarded to high school seniors who have been accepted for admission and demonstrate academic merit. Students are encouraged to complete their application for admission by November 15 as awards are made on a first-come, first-served basis and funding is limited. No separate application is required, but generally, students who are admitted and have at least a 3.5 high school GPA (S.C. Uniform Grading Scale) and at least a 20 ACT or an 1000 SAT score (not including the writing portion) will be offered a scholarship.

Transfer Students: A limited number of scholarships may also be awarded to transfer students entering in the fall who have a cumulative GPA of 2.7 or better with a minimum of 12 earned credit hours, but not more than 90 attempted hours and have a satisfactory completion rate. Students must be admitted and have all final transcripts submitted by June 15. These scholarships are contingent upon funding each year.

All scholarship awards require full-time enrollment at Lander University unless otherwise specifically stated in the terms of the awards contract. Students may not receive scholarships for semesters in which they are enrolled less than full-time, nor will semesters of ineligibility be extended to the end of the academic career. Scholarships apply to the academic year only, exclusive of summer school, except where otherwise stated. Students may never receive financial aid (including, but not limited to: grants, scholarships, loans, and Federal Work-Study) that exceeds the total Cost of Attendance (COA) for the academic year. Students must remain in good standing with the Lander Honor Code, as outlined in the *Student Handbook*.

Scholarship Renewal Policy

There are certain standards for renewal of Lander scholarships. Recipients generally must complete 24 credit hours each academic year, excluding summer school, unless otherwise specifically stated in the terms of the awards contract. Recipients of all scholarships must maintain a cumulative GPA of 3.0, unless otherwise specifically stated in the terms of the awards contract. If a scholarship is renewable and the student maintains the required academic

standards, the scholarship will be renewed automatically. Renewals are made in the summer of each year for the upcoming year. Students who fail to meet the renewal requirements will be granted the opportunity to appeal in writing. Scholarships are awarded for up to, but never exceeding, four years from the initial term of college enrollment. Academic departments may disclose separate renewal criteria for departmental scholarships in the written scholarship contract.

ACADEMIC REGULATIONS AND PROCEDURES

All the students are responsible for knowing and observing the academic requirements and regulations of the University that are set forth in this section of the catalog. They are also advised to be familiar with related portions of the catalog, especially the *Courses of Study* section, and for knowing that academic policies in effect are always those stated in the current catalog.

Some academic procedures, as well as general regulations and information, appear in the *Student Handbook* that is published annually and issued each fall. The Registrar's Office website also contains academic information: https://www.lander.edu/academics/registrars-office/. Students are expected to be familiar with all of this information.

Email Communications

All students are issued an official Lander University email account when they enroll. **The student email account is the official email address to which the University will send electronic communications.** This official address will be recorded in the University's electronic directories and records for the student. For these reasons, **all students** are required to use, and maintain their university-provided email accounts. Information Technology Services will perform the account creation without any action necessary by the student.

Academic Honor Code

In order to maintain a high standard of academic excellence, Lander University supports an academic honor code for which both faculty and students are responsible. By subscribing to this code, the University is affirming its trust in the ability of the student to be self-disciplined, responsible, and honorable in the pursuit of academic goals. The complete text of the code is presented in the *Student Handbook* provided to each student and in the *Faculty Handbook*. It is also available in the Offices of Academic Affairs and Student Affairs.

English Fluency in Higher Education

South Carolina's English Fluency in Higher Education Act requires that each public institution provide assurance that there exists an adequate procedure for students to report grievances concerning the inability of instructors to be understood in their spoken or written English.

Through the offices of deans, department chairs, and the Provost and Executive Vice President for Academic Affairs and through the university's ***Grade Appeal Process*** (as described in the *Student Handbook*), students are provided both formal and informal procedures for any student to report grievances related to an instructor's ability to be understood in spoken or written English. Further, the Provost and Executive Vice President for Academic Affairs and the Vice President for Student Affairs are required to monitor and report to the South Carolina Commission on Higher Education all grievances filed by students because of alleged instructor inadequacies in spoken or written English.

A copy of the Act is maintained in the Office of Academic Affairs and is available for review during regular office hours.

Placement Criteria

English

All students will be placed into English 101.

Exceptions:

- Students have at least 680 Verbal SAT or at least 30 ACT English. These students may take the validation essay to attempt to earn credit for ENGL 101 and placement into ENGL 102.
- Transfer students who have credit for ENGL 101 will be placed into the next required English course. Students must seek advice from their advisor.

Please note that students with less than 400 Verbal SAT or less than 15 ACT. English should consider enrolling in a developmental English course at a local community or technical college prior to enrolling at Lander.

Foreign Language Placement Policy

Students interested in taking a foreign language may register for SPAN 101 or FR 101 without taking the Foreign Language Assessment. If students with previous experience in a foreign language are interested in taking an upper-level foreign language course, the online assessment recommends the level of course that will match the student's proficiency.

For more information, please see the link, https://www.lander.edu/academics/academic-success/academic-success-center/testing, or contact the Office of English and Foreign Languages.

Advanced Standing

Through the following advanced standing mechanisms, baccalaureate degree students may earn Lander University credit at a level appropriate to their experience. Students may not earn Lander credit for a similar course in which they are enrolled, or have audited, failed or passed nor for sequential courses or two semester courses if they have already taken one of the courses. International students may not earn foreign language credit in their native tongue. Students who do not pass a particular test are not permitted to repeat that test.

When credit is awarded, the student's record will reflect a grade of "P".

No student will be permitted to acquire more than 30 credit hours through advanced standing mechanisms except as stipulated under "Transfer Credit for Registered Nurses."

1. **Advanced Placement**

   High school seniors who plan to enter Lander University should confer with their principal or guidance counselor regarding the Advanced Placement Program administered by the College Board. Applicants who have taken college-level courses in secondary schools and have scored three or better on Advanced Placement examinations may be granted advanced standing and college credit. A chart showing Lander credits that may be earned can be found at:
   https://www.lander.edu/admissions/_files/Documents/admissions/Fall_2021_AP_Credit.pdf

   Students must request that their official examination results be sent by the College Board to the Office of Admissions, Lander University, 320 Stanley Avenue, Greenwood, SC 29649-2099. If you have further questions, please contact Admissions at 888-4LANDER, or locally at 388-8307.

2. **College-Level Examination Program (CLEP)**

   CLEP is a national system of credit-by-examination. The program includes a variety of subject examinations that may substitute for specific Lander courses. Students earning passing scores may receive credit for certain courses upon the submission of an official score report to the Registrar's Office. Lander students should consult with their academic advisor and submit a Coursework Approval Form prior to taking the examination. A chart showing Lander credits that may be earned can be found at:
   https://www.lander.edu/academics/academic-success/academic-success-center/testing

3. **International Baccalaureate Programme**

   Lander University recognizes the competitive nature of the International Baccalaureate Programme. A chart showing Lander credits that may be earned can be found here:
   https://www.lander.edu/admissions/_files/Documents/admissions/International-baccalaureate-credit-2021b.pdf

   To receive credit, ask IBO North America to send official examination results to the Office of Admissions, Lander University, 320 Stanley Avenue, Greenwood, SC 29649-2099. If you have further questions, please contact Admissions at 888-4LANDER, or locally at 388-8307.

4. **Transfer Credit for Registered Nurses**

   Upon the successful completion (with a grade of B or above) of the bridging course, NURS 307: (Professional Transition for Registered Nurses), RN students may earn advanced standing credit that will satisfy up to 39 credit hours of nursing courses that are included in the Basic Nursing Core. (Refer to BSN requirements**)**.

For questions and/or advising, see the director of the RN-BSN on-line option or the chair of the William Preston Turner School of Nursing.

5. **Disney College Program**

   Lander University may recognize students participating in internships and other professional development in the Disney College Program with appropriate academic credit that depends on the student's major and the specific work placement at Disney. Interested students should discuss Disney internship plans with their academic advisor and the Director of the EYE Program to determine the amount and type of academic credit available.

6. **Other Advanced Standing Mechanisms**

   a) Through proficiency examinations administered by Lander University. The examinations are prepared and criteria for exemption established by the department or discipline concerned. In order to receive credit for the course a student wishes to exempt, the student must complete a Coursework Approval form prior to taking the proficiency examination. Should the score be sufficient, the student then enrolls in the course above the one exempted and must earn a grade of "B" or above. When credit is given, the student's record will reflect a grade of "P." If the student does not earn a grade of "A" or "B," no credit shall be given for the exempted course. Instead, the student will be required to take another course in the same discipline.

   b) Advanced placement in composition courses is determined based on a department administered and appraised writing sample which students produce during orientation.

      Qualified students (see Placements Tests, English) may write this essay to validate exemption of ENGL 101. If they do so, they will receive three hours of credit with a grade of "P."

   c) Through a variety of standardized testing (including ACT, CLEP, SAT, GRE, PRAXIS, etc.). Students wanting to take such tests can obtain brochures, applications, practice tests, and coaching in test-taking skills by contacting Academic Success Center, Genesis Hall.

Academic Success Center

The Academic Success Center (ASC) houses First-Year Advising, Transfer Support Services, Tutoring and Supplemental Instruction Services (PASS), Academic Coaching, as well as testing space for students who have special testing accommodations. In addition, the ASC provides programs geared to student success and retention. The office is located in Genesis Hall, telephone (864) 388-8308. For additional information, visit the ASC website at: https://www.lander.edu/intranet/academics/academic-success/academic-success-center.html

Tutoring Services and Supplemental Instruction (PASS)
Tutoring and PASS services are free for all Lander University students. These services are available for most freshman and sophomore level courses as well as many upper-level courses. The PASS (Peer Assisted Study Sessions) program provides academic review sessions for select courses lead by a peer leader who has previously taken the course and been recommended by the faculty member. For additional information regarding the PASS program, including meeting times and locations, visit the ASC in Genesis Hall. ASC tutoring services are available seven days a week, both online and in-person and are provided by peer tutors. Tutoring appointments may be made online. See The Academic Success Center "About" page at:
https://www.lander.edu/academics/academic-success/academic-success-center/

Academic Coaching is a free program that supports students with successfully transitioning to college academic coursework. Peer Academic Coaches work with students on improving their skills with time management, organization, note taking, study skills, and other student success skills. Appointments for Academic Coaching may be made online.

Transfer Support Services is also located in Genesis Hall in the ASC. The Transfer Support Specialist works closely with newly admitted transfer students to create an individualized academic plan to ensure their success as they transition to Lander. Students are encouraged to attend transfer workshops to assist with degree requirements and the registration process. The Transfer Support Specialist is also the advisor to the Level-Up Organization, the student organization for transfer students.

Student Academic Success Program (SASP)
SASP helps students who are on academic probation improve their GPA by repeating course work, attending tutoring, and enrolling in a study skills course. Students on academic probation will receive communication about this program. Prior to the deadline for adding and dropping courses in the current probationary term, students should meet with their primary academic advisor as well as the ASC to review their schedule and develop a plan to improve their academic performance.

Academic Alert Program
The purpose of the Academic Alert Program is to allow faculty to identify students experiencing academic difficulty. Academic Alerts are designed to engage students with academic support services on campus. There is also a student concern process to report concerns beyond the realm of academic advising and support.

CSEM 100.COLLEGE SEMINAR
College Seminar is designed to help students develop effective study skills that they will continue to use throughout their academic career. In College Seminar, students refine their skills through peer interaction and direct application of the newly acquired skills to their current coursework. The course examines various topics needed for college success (i.e. note taking, time management, concentration, study strategies, test taking strategies, and test anxiety.) Permission required by the Academic Success Center

Testing Services
Testing Services provides approved testing accommodations for students in the ASC. The Director of Disability Services in the Wellness Center determines and approves testing accommodations. Once accommodations are approved, students must communicate with their professors and the Testing Coordinator in the ASC their intent to use the approved accommodations.

Lander University Definition of a Credit Hour

Lander University adheres to the Federal definition of a credit hour for cumulative contact time per semester:

- One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
- At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Lander University ensures a minimum of 700 minutes of instruction per credit hour (2,100 minutes of instruction for a standard, three-hour course), regardless of mode of delivery. The fall and spring semester standard meeting times for three-hour courses are a 50-minute Monday, Wednesday, Friday schedule and a 75-minute Tuesday, Thursday schedule.

Summer session classes follow the same standard of 700 minutes of instruction per credit hour but because the summer sessions are shorter than a fall or spring semester, the summer terms standard meeting times are longer and more frequent.

Credits, Course Load, and Classification

An undergraduate enrolled for 12 or more credit hours is classified as a full-time student (6 or more hours for a graduate student).

Overload - Students in good standing are limited to a maximum of 18.5 credit hours for a fall or spring semester and to a maximum of 18.5 credit hours in all of the summer sessions combined. Students on academic probation should be limited to a maximum of 15 credit hours for a fall or spring semester and to a maximum of 15 credit hours in all of the summer sessions combined.

Students requesting an overload of 19-20 hours must have a Lander cumulative grade point average of 3.0 (overall) and have earned a Lander grade point average of 3.0 for the most recent semester attended (based on a minimum of 15 credit hours).

Students requesting an overload of 21-22 hours must have a Lander cumulative grade point average of 3.25 (overall) and have earned a Lander grade point average of 3.25 for the most recent semester attended (based on a minimum of 15 credit hours).

All requests for overload hours must be approved by the students' department chair and college dean. Exceptions to this policy may be granted and require approval by the students' department chair and college dean.

Repetition of Coursework - A student is allowed to repeat any course, subject to the current prerequisites and the following stipulations:

1. A student can receive credit only one time for any course unless noted differently in the course description.

2. If a course is repeated once, the repeat grade will be recorded on the transcript and included in computing the cumulative grade point average. The first grade shall be recorded on the transcript but shall not be used in determining the cumulative grade point average. If a course is repeated more than once, all repeat grades will be recorded on the transcript and all repeat grades will be included in computing the cumulative grade point average.
3. *Courses taken elsewhere to repeat Lander coursework may not be used to improve one's grade point ratio average (GPA).*
4. A student will not be allowed to repeat a course for a higher grade after a higher-level sequential course has been passed unless it is a specific graduation requirement. Sequential courses are those listed in the catalog with hyphenated course numbers, for example: CHEM 111-112.

The University is not obligated to continue to offer courses or programs in a prior year's catalog that have been deleted officially from the curriculum.

Auditing - Auditing a course consists of attending classes and listening without the responsibility for any course assignments or examinations. No credit is earned by auditing a course and no credit may be earned in an audited course by examination or otherwise.

Requirements:

- All students who wish to audit must be admitted to the University in order to be eligible to audit a course.
- Students may only audit the same course once.
- No audited course may be repeated for credit at a later date.

After the application process is complete, students must contact the Office of the Registrar. The dean of the college offering the course will be notified of the audit request. Once approval is granted, the Office of the Registrar will complete the course registration if all requirements have been met.

A student who has registered for a course on an audit basis and who wishes to change the registration to take the course for credit or a student who has registered for a course on a credit basis and who wishes to change the registration to take the course by audit must do so no later than the last day to add or register for courses as published in the University's academic calendar. Notification of the change must be made to the Office of the Registrar by the appropriate deadline.

Directed Independent Studies (DIS) - Courses may be offered by DIS during fall and spring semesters only under special circumstances. Faculty members are not obligated to teach a course by DIS. A student may take a course by Directed Independent Study during a semester, provided:

1. The student has junior or higher standing at the University;
2. The course is listed in the catalog, but is not scheduled for that semester;
3. The course is listed as 300-level or higher;
4. The student is not repeating the course; and
5. Students may take no more than two courses by Directed Independent Study for degree purposes.

A request to take a Directed Independent Study must be submitted on the Directed Independent Study Course Request Form and received in the Office of the Registrar no later than the last day to add or register for classes for the semester or term of the Directed Independent Study.

Internships - Students interested in registering for an internship should consult with the academic advisor and department chair of their major. The Internship Application and Registration Form must be completed and returned to the Office of the Registrar no later than the last day to add or register for classes for the semester of the internship.

Procedures regarding course substitutions, exceptions to requirements, and establishing transfer equivalencies

A course substitution means that a student may apply the credit earned in one course and substitute that credit in place of another course.

Exception to a requirement means that the student is given an exemption from completing the specific coursework necessary to satisfy a particular requirement. The student receives no credit for the exemption and must complete comparable elective hours. For example, a student granted an exemption to a specific requirement would have to complete another 3-hour course to make up the hours.

Transfer equivalency means a course taken at another institution covers the same set of topics and material as a course offered at Lander. If the transfer course has an accepted Lander equivalency, the student will receive credit for the corresponding Lander course. If the transfer course does not have a direct Lander equivalent, the student will receive elective credit for that transfer course. Transfer credit decisions are made by the relevant academic program coordinator and/or dean who communicates the decisions to the registrar's office. The registrar's office notifies the student.

Procedures for students seeking exemptions to requirements

A student seeking an exemption to a requirement established by a Major program, a Minor program, or the General Education program must consult his or her academic advisor and fill out the Course Substitution Appeal form. The advisor will then forward the form to the Department Chair/Assistant Dean for their review and they will then forward the form to the College/School Dean. When the review is completed and a decision is reached, the form will be forwarded to the Office of the Registrar, and the Registrar will notify the student of the decision. Decisions will be made on a case-by-case basis.

A student seeking relief from a general education requirement must work with their academic advisor to file a petition that will be forwarded to their college or school dean. Decisions will be made on a case-by-case basis.

Procedures for students seeking course substitutions

Substitutions involving General Education Courses (non-transfer)

- Non-General Education to General Education:
  - Lander University courses that are not specifically approved as General Education courses at Lander University cannot substitute for a General Education Curriculum course.
- Substitution within a competency:
  - If the student's Major program requires a specific General Education course to satisfy a General Education competency, the student may petition to substitute another approved General Education course that addresses the same competency.

Procedures involving courses transferring to Lander from another institution

In many cases, courses transferred from other institutions already have an accepted Lander course equivalency. If equivalency to an existing Lander course has not yet been established, the following procedure is followed. This procedure also applies when an established equivalency is no longer accurate (because of catalog changes at either institution) and the equivalency needs to be updated.

A student wanting to establish an equivalency (or update an existing one) between a transfer course and a requirement for a Major program, a Minor program, or the General Education program at Lander must consult his or her academic advisor, fill out a Course Substitution Appeal form, and supply a course description. The advisor will then forward the form to the Department Chair/Assistant Dean for their review and they will then forward the form to the College/School Dean. When the review is completed and a decision is reached, the form will be forwarded to the Office of the Registrar, and the Registrar will notify the student of the decision. If the equivalency is approved, the Registrar's Office will add the course to the University's approved transfer course list.

Study at Other Institutions - Lander students who wishes to receive credit for courses taken at another institution during any academic term must secure prior permission from their academic advisor, their major Department Chair/Assistant Dean, and the Registrar. The request must be made on a Coursework Approval form available in the Office of the Registrar.

A current course description from the institution the student wishes to attend must accompany the form if an articulation is not listed within the University's "Transfer Guides". Upon completion of the course(s) at another institution, the student must request that an official transcript be sent to Lander University's Office of the Registrar.

Approval granted on a Coursework Approval form does not waive any of Lander University's academic policies governing transfer of coursework. The following stipulations apply to students who wish to study at other institutions:

- Courses taken at another institution cannot be used to improve the Lander grade point average.
- A grade of "C" or better is required in a course in order for the course to be considered for transfer to Lander.
- For degree completion, at least 25% of the total credit hours must be earned through instruction by Lander University. In addition, a minimum of 12 hours of 300- and 400-level credits in the major must be earned through instruction by Lander University.

Classification of Students - Undergraduate students are classified at the end of each semester after final grades have been recorded and end-of-term processes have been completed by the Office of the Registrar. Classification has no bearing on scholastic eligibility and serves as an indicator of normal progress toward a degree.

Undergraduates are classified as follows:

Freshman	0-29 overall earned hours
Sophomore	30-59 overall earned hours
Junior	60-89 overall earned hours
Senior	90 overall earned hours

Grading System

Credit will be granted only for courses in which a student earns a grade of A, B, C or D and for the grade of P, explained below. Symbols used in the grading system and their meanings are as follows:

A: Excellent - Indicates achievement of distinction. Four quality points are given per credit hour.

B: Good - Indicates achievement above that is required for graduation. Three quality points are given per credit hour.

C: Average - Indicates average achievement. Two quality points are given per credit hour.

D: Poor - Indicates achievement at a level below that is required for graduation. One quality point is given per credit hour.

P: Passing - Indicates satisfactory achievement in no-credit or no-grade options. No quality points.

F: Failure - Indicates unsatisfactory achievement. No quality points are given and *are considered in computing the grade point average.* Instructors assigning this grade must provide on the final grade roster the student's last date of attendance in the class.

FA: Failure because of excessive absences. No quality points are given and *are considered in computing the grade point average*. Students earning this grade are considered to have "dropped out unofficially"; instructors assigning this grade must provide on the final grade roster the student's last date of attendance in the class.

AU: Audit - Indicates status as auditor. No credit is earned by auditing a course and no credit may be earned in an audited course by examination or otherwise.

W: Withdrew - Indicates withdrawal from the course.

I: Incomplete - Incomplete is assigned at the discretion of the instructor when, in the instructor's judgment, a student, who has a passing grade in the course, or a reasonable prospect of earning a passing grade, is unable to complete some limited portion of the assigned work in a course (e.g., final project, final exam) because of extenuating circumstances (e.g., extended illness, accident, unavoidable work-related responsibility, or family hardship).

NOTE: An Incomplete is not intended to give students additional time to complete course assignments unless there is some indication that the specified condition or event prevented the student from completing course assignments on time.

By arrangements with the instructor, the student will have up to six months from the last day of examinations for the semester in which to complete the work before a permanent grade is recorded. Within two weeks of assigning a grade of *Incomplete*, the instructor will prepare an "Incomplete Grade Form" that specifies the assignments that must be submitted and the deadline for each assignment. The instructor will send a copy to the student and place a copy on file with the Registrar's Office. The student will sign the form indicating acknowledgement of the requirements. If the instructor does not complete a grade change request by the end of the six-month period, the grade of *Incomplete* will automatically be changed to a grade of "F".

NOTE: *Re-enrolling in the course will not make up an incomplete grade*. It is the responsibility of the student to insure that all arrangements for removal of the *Incomplete* have been made and that all work for completing course assignments has been accomplished by the deadline established by the instructor.

XR: A grade applied by the Registrar's Office at the end of the term when a grade has not been submitted by the instructor.

XS: Applied as a final grade for Study Abroad courses upon receipt of official transcripts. No quality points.

Grade Point Average - Grade points in any course are computed by multiplying the number of hours of credit assigned to the course by a number determined by the grade according to the following scale.

A = 4; B = 3; C = 2; D = 1; F = 0; FA = 0

The grade point average is determined by dividing the total number of institution grade points earned by the total number of institution GPA hours for courses receiving any grade in the preceding list. The following grades do not affect the grade point ratio: AU, I, P, R, W.

Grade Reports - At the end of each Fall, Spring, and Summer terms, students will access their final grades online through Bearcat Web.

Grade Appeals and Changes --*The Student Handbook* describes the grade appeals process. Neither grade changes nor appeals for grade changes can be made after one calendar year from the time the grade was given. After graduation, no grade can be changed or appealed.

Transcripts - Requests for official transcripts of a student's academic record should be made online through National Student Clearinghouse. Procedures for requesting an official transcript can be found at https://www.lander.edu/intranet/academics/registrars-office/transcripts.html.

A transcript of a student's record carries the following information: current status; a detailed statement of the scholastic record showing courses pursued with credit hours carried, credit hours earned, grades, grade points, the system of grading, all failures, incomplete grades, and academic penalties such as academic probation, suspension, or other restrictions. A student's official record concerns academic performance only. No partial record will be issued.

No official transcript will be issued to or for a student who is indebted to Lander University.

University Attendance Policy

Students are expected to attend class as regularly scheduled and are responsible for consulting instructors' syllabi regarding attendance requirements. Instructors with specific attendance requirements can hold students accountable for absences from class. Consequences for violating attendance requirements will vary from instructor to instructor but may include failure of the course. Students who anticipate missing class must seek relief from attendance requirements at least one week prior to the date of absence. Students missing a class are expected to consult with their instructor(s) to request permission to make up missed course work.

University Student Representatives (approved by the President) who must attend university-sponsored events will be given relief from an instructor's attendance requirements if they notify the instructor(s) at least one week prior to the event. University Student Representatives must meet the attendance requirements stated in the previous paragraph for all other absences.

Students may request attendance accommodations for documented disabilities by contacting the Office of Student Disability Services prior to the beginning of classes.

Students in laboratory sections offered by the College of Science and Mathematics or clinical sections offered by the School of Nursing must attend the first class meeting in order to remain on the roster.

Students, who have never attended class during the first two weeks of the semester, may be dropped from the course at the discretion of the instructor. The instructor will notify the Registrar and the student will be dropped from the course. However, students should not assume that they have been dropped from the course because they have not attended class. It is the responsibility of the student to drop a course that they are not planning to attend by the deadline published on the Academic Calendar. Failure to do so may result in a failing grade for the course.

Official Drop/Withdrawal

From a Course - Students should refer to the appropriate academic calendar to determine the dates that they may drop a course completely or withdraw from a course without academic penalty (earn a grade of "W"). Any petition to drop or withdraw from individual classes after the posted deadline will be considered only if the petition presents circumstances that are compelling, non-academic, and beyond the control of the student (e.g., extended illness or related distress) and which would directly impact the student's ability to fulfill the course requirements. Individual course drops or withdrawals do not automatically guarantee a refund of tuition.

No laboratory section offered by the College of Science and Mathematics or clinical section offered by the School of Nursing may be added after that lab/clinical section has met for the first time.

From the University - Students who find it necessary to withdraw from all classes must process an Official Withdrawal and/or Temporary Leave form with the Registrar's Office. Complete withdrawal after the drop deadline will result in grades of "W" for all registered coursework. Students may not completely withdraw following the last day of classes.

Temporary Leave

Students who intend to reenroll at Lander after an attendance break of one or two regular semesters may request an official temporary leave. Such a leave may be granted for either one or two regular semesters if the applicant was in good standing at the end of the last term completed at Lander. The Official Withdrawal and/or Temporary Leave form is filed with the Office of the Registrar. Completion of the application and approval of the request constitutes a contract between Lander and the student involved. This contract obligates Lander to furnish access to certain services during the non-enrollment period and binds the student to reenroll by no later than the mutually agreed upon date. Lander approvals include signatures of the Assistant Vice President for Student Success, a financial aid counselor, a student accounts official, a housing official (if applicable), and a registrar's office official.

Students approved for a temporary leave are eligible for

1. Registration for classes without the necessity of applying for readmission (as long as the application for a Temporary Leave is processed no later than two weeks prior to the registration in question);
2. Participation in residence hall room requests at the same time as students currently in residence (as long as the application for a Temporary Leave is processed at least two weeks prior to the appropriate housing deadlines);
3. Certain university scholarships; and
4. Use of the Jackson Library with a temporary ID.

Students not eligible for temporary leave:

1. Foreign students, because of Federal laws governing them, may not have a break in their studies except during the summer.
2. Special and Non Degree students, whether undergraduate or graduate, are admitted for one semester only.

Academic Renewal

Academic renewal provides undergraduate students with poor academic records an opportunity to resume their studies at Lander without the burden of the previous grade point average (GPA). Undergraduate students who have not attended Lander for at least three calendar years and who have a cumulative GPA below 2.0 may wish to consider applying for academic renewal. Students must apply during the first semester of return to the university.

Students who are approved for academic renewal have their previous Lander coursework adjusted on their transcript as follows:

1. All previous *hours carried* and ALL previous *quality points* are removed from GPA calculations (the effect is to provide the student with the benefit of resuming studies at Lander with a GPA of zero).
2. *ALL* previous *hours earned* with grades of "D" are removed (all hours earned for grades of "A", "B", "C" and "P" remain).
3. The student is placed on academic probation in the first semester of study following the absence of three or more years.

NOTE: Lander University coursework that has been applied toward a completed undergraduate degree at Lander University or at any other institution is not eligible for adjustment.

There is no loss of previous transfer credit. All grades remain on the student's transcript; the transcript notes that academic renewal was applied and the date that it was applied. The cumulative GPA is calculated for courses taken during and following the semester academic renewal is approved. Academic renewal may be granted only once, is irreversible, and disqualifies the student for graduation with honors. See "Students Right to Petition" section for additional information and application procedures.

Academic Honors

Standards regarding eligibility for academic honors are applicable to all undergraduate students. Administration of these regulations is the responsibility of the Provost and Executive Vice President for Academic Affairs, who is not empowered to waive any of the provisions. Under extraordinary circumstances, a student may be granted relief from these regulations by the Faculty Senate through petition to the Grade and Academic Appeals Committee. Petition to the Grade and Academic Appeals Committee must be made no later than November 1st for December graduates and no later than April 1st for May graduates. August graduates must also appeal by April 1st of the semester prior to the summer in which they expect to graduate.

Semester Honors - Three honor rolls recognizing academic achievements are published each fall and spring semester. Only students whose term GPA is based on a minimum of 12 credit hours **(excluding developmental studies courses and other courses with grades of P)** and who receive no grades of F, FA or I, are eligible for recognition. Freshmen with a GPA of 3.00-3.49 are listed on the *Freshman Honor Roll;* the names of undergraduates who have earned a GPA of 3.5 to 3.9 appear on the *Dean's List*. Any student whose GPA is 4.0 is included on the *President's List*.

Academic Standing

A student's academic standing is an indication of that student's eligibility to remain in school. Academic standing may also affect the student's eligibility for scholarships, special insurance rates, loans, and work-study programs as well as eligibility to participate in intercollegiate athletics and many other student activities.

Academic Probation

Lander University assigns students' academic probationary status to notify them that their academic performance is falling short of what is needed to earn a degree and to inform students that they are at risk of being suspended in a subsequent semester. The university performs this action because it knows that many students experiencing academic difficulties can improve their performance and earn a degree.

Probationary status is assigned at completion of the fall or spring semester or the completion of summer sessions as follows:

- Students whose cumulative Lander University GPA falls below 2.0 will be assigned academic probationary status.
- Students will continue to be assigned academic probationary status when their semester GPA is above a 2.0 but their cumulative Lander University GPA is below 2.0.
- Students will be removed from academic probationary status when they have a cumulative Lander University GPA of 2.0 or higher.

The university encourages students assigned academic probationary status to work with an academic advisor to make plans to improve their performance in subsequent semesters so that they can succeed and graduate.

Students on academic probation are limited to a course load of no more than 15 credit hours. Students should work closely with their Student Academic Success Program (SASP) advisor who is appointed by the Academic Success Center to help them develop an Academic Progress Plan to improve their performance and be removed from probationary status. To ensure sufficient time to succeed in their courses, students on probationary status are urged to limit employment and extracurricular activities.

Academic Suspension

Students currently assigned academic probationary status, or who have ever been assigned academic probationary status, are placed on academic suspension when their level of achievement falls below that outlined in the following table:

Overall Hours Earned*	Cumulative Institution Grade Point Ratio
0-29	1.400
30-59	1.600
60-89	1.800
90-	2.000

** Includes transfer, advanced standing, etc.*

Any student found guilty of an infraction of the Academic Honor Code may be placed on suspension.

Academic suspension lasts for at least one spring or fall semester. Typically, a first suspension lasts for one semester and a second suspension lasts for two semesters. A student who has been suspended may apply for readmission to a spring or fall semester. Summer session does not count as a semester for these purposes.

The University reserves the right to cancel a student's registration with a full refund should the student enroll prior to being officially notified of an academic suspension.

Students on academic suspension may attend summer school at Lander in an attempt to improve the cumulative Institution GPA. Students should work closely with their Student Academic Success Program (SASP) advisor who is appointed by the Academic Success Center to help them develop an Academic Progress Plan that may include attending Lander summer school.

A student on academic suspension may not continue in a spring or fall term at Lander for credit or for grade point purposes unless the student is granted readmission by the Admissions Committee through the appeal process. A student suspended from Lander University for academic deficiencies has the right to make an appeal to the Admissions Committee prior to completing the first or second suspension period. An Appeal for Readmission following suspension must be submitted in writing to the Admissions Office by the deadline indicated on the form (available on the Admissions webpage under "Returning Students"). The appeal must stipulate in detail the facts of the case that might warrant a review of the suspension decision and must include an Academic Progress Plan developed with and signed by the Student Academic Success Program (SASP) advisor. If the petition is approved and the student is allowed to remain in school without serving the suspension, the transcript will nevertheless reflect a first or second suspension.

A student suspended for a third time no longer has the right to appeal the suspension and must remain separated from Lander University for at least one calendar year. It is unlikely that a student receiving a third suspension will be readmitted to Lander University.

Expulsion

A student found guilty of an infraction of the Academic Honor Code may be expelled from the university and not be allowed to reapply for admission.

General Degree Requirements

The student is solely responsible for meeting all program requirements for graduation. The academic advisor will assist and advise students prior to the decision to enroll in courses but is not responsible for ensuring that students satisfy all the program requirements.

Degrees – Lander University confers the degrees of Master of Arts in Teaching (MAT), Master of Business Administration (MBA), Master of Education (MEd), Master of Fine Arts (MFA), Master of Science (MS), Master of

Science in Management (MSM), Master of Science in Nursing (MSN), Bachelor of Applied Science (BAS), Bachelor of Arts (BA), Bachelor of Design (BDes), Bachelor of Fine Arts (BFA), and Bachelor of Science (BS) on candidates who are recommended by the faculty.

A candidate for the first Bachelor of Arts, Bachelor of Fine Art, Bachelor of Design, or Bachelor of Science degree must complete at least 120 credit hours, with an overall minimum grade point average of 2.00 on all work attempted through Lander University instruction. A candidate for any bachelor degree must earn at least 25% of the total credit hours required for the degree, including a minimum of 12 credit hours of 300/400 level credit in the major, through instruction by Lander University.

All bachelor degrees require a minimum of 30 hours numbered 300 and above. At least 12 of these upper-level hours must be in the student's major.

Credit in a major - Credit in a major consists of at least 30 credit hours with a minimum grade point ratio of 2.00. The major includes major program core requirements, major program emphasis requirements, major program additional requirements and teacher certification requirements.

Credit in a minor - Credit in a minor typically consists of 6-7 courses. See the department pages for specific requirements.

Correspondence and/or extension courses - A maximum of 15 hours of credit is allowed for work done through correspondence and/or extension (non-resident credit) courses.

Declaring or Changing Majors and Minors – A prospective student who has not yet attended classes and wants to change their major should contact the Office of Admissions. A current student who wants to change or declare a major should make the request through their intended major department. After the major change request has been submitted by the intended major department, an email notification will be sent to the current student's Lander email address as verification.

Graduating Under a Catalog - The catalog in place at the time the major is declared becomes the one used to determine graduation requirements for the major and minor. A student may choose a subsequent catalog for purposes of meeting graduation requirements. Students in majors leading to teacher certification may be required to use the most current catalog to be eligible for certification by the South Carolina Department of Education.

"Graduating under a catalog" pertains to degree requirements only, including major and minor. Students must meet all University requirements regarding registration, payment of fees, residency, and personal conduct as stated in the most current catalog.

If a student enrolled at Lander leaves the university for less than two years, the student may remain under the catalog previously selected. If a student enrolled at Lander leaves the University for a period of two or more years, when he or she returns, the catalog in effect at the time of readmission is used to determine graduation requirements.

A student may not graduate under a catalog that is more than eight years old.

Students must provide notification of a change in catalog year to the Office of the Registrar one semester prior to graduation. Students must then submit the Request for Graduation Form and complete the online application in Bearcat Web by the deadline set by the Registrar's Office.

Second Undergraduate Degree

Requirements for a second undergraduate degree are as follows:

1. Completion and award of an undergraduate four-year degree program;
2. Completion of at least 25% of the total credit hours required for the degree must be taken at Lander University and must be in addition to the requirements for the first degree. These hours must include a minimum of 12 hours of 300- or 400-level credit in the major.
3. Completion of two semesters at Lander University after the first degree has been completed;
4. Students must earn an overall minimum grade point average of 2.00 on all work attempted through Lander University instruction.
5. Students who have earned a bachelor's degree from a regionally accredited institution are not required to meet the General Education Requirements.

Certificates

Because state law specifies that four-year degree-granting institutions may not offer undergraduate degrees lower than a baccalaureate, Lander University offers certificate programs to students who are required to either 1) already have completed a baccalaureate degree, and/or 2) be concurrently enrolled in a baccalaureate program at Lander University. In the event that a student completes the coursework for the certificate and does not graduate from Lander with a baccalaureate degree, the courses for the certificate will appear on the student's transcript, but the certificate will not be awarded.

Graduation

Application for degree – Students are eligible to apply for a degree if all degree requirements are completed by the end of the semester in which they are applying to graduate. A candidate for a degree must file a Request for Graduation form with the Office of the Registrar and complete the online graduation application in Bearcat Web by the date published in the current catalog. An application for a degree is not complete until the student has paid the graduation fee. Graduation fees cover a student's cap, gown, and diploma. Graduating students with physical disabilities are expected to communicate with the Office of the Registrar regarding accommodations needed for their participation in the commencement ceremony upon submission of their application. If a student's graduation plans change, academically or personally, the student must reapply for graduation during the next anticipated term of graduation and pay the graduation fee. Students who apply to graduate in August and who complete all requirements receive their diploma in August and are automatically included in the following December ceremony.

Participation in Commencement Ceremony – Student participation in the commencement ceremony is allowed if

- the student has filed a Request for Graduation form with the Office of the Registrar and has completed the online graduation application in Bearcat Web for the specific commencement ceremony, and
- the student has completed the Fine Arts and Lectureship (FALS) requirement by the deadline set by the Registrar's Office Temporarily suspended, and
- the student has completed all degree requirements during the semester of graduation (August graduates may participate in the December commencement ceremony).

An official or unofficial withdrawal of all classes during the graduation semester will disqualify participation.

Any other conditions that disqualify a student from participation in the commencement ceremony may be appealed.

Transfer credits during the semester of graduation - Students may not take coursework at another institution during their term of graduation. All coursework from other institutions must be received and posted prior to the semester of their graduation from Lander University. Students bear the responsibility of requesting their transcripts to be sent to the Office of the Registrar.

Posthumous Degrees - Enrolled undergraduate and graduate students whose untimely death prevents degree completion may be awarded a posthumous degree. The award of a posthumous degree may be an appropriate recognition of a student's academic achievement when that student's progress would have likely fulfilled the requirements of a degree except for the occurrence of death. Posthumous degrees may be awarded to the deceased students at the discretion of the appropriate college dean and the Provost and Executive Vice President for Academic Affairs and with the consent of the deceased student's family under the following conditions:

1. When a student death occurs after ALL requirements for the awarding of the degree have been completed; or
2. When a student death occurs at a time when the student is enrolled in courses that would complete the degree requirements and that student otherwise has met all university, college and department requirements and is in good financial standing with the university.

If the University approves awarding of the degree posthumously, the Office of the Registrar will place the student's name on the appropriate degree list. The diploma and a copy of the commencement program will be released to the family. Upon posting the degree, the transcript will be annotated to indicate that the degree was awarded posthumously.

The family may wish to have someone attend the commencement ceremony and receive the student's diploma. These arrangements should be made with the University through the Office of the Registrar prior to the commencement date. If the person representing the student wishes to participate in the commencement ceremony

and receive the diploma, the reader for the ceremony will announce his/her name as follows: "Jane Doe on behalf of Robert Jones".

Awarding Major Program Honors - Students can earn undergraduate Honors in any major as long as the following conditions are met:

- the student is pursuing an undergraduate degree;
- the student meets all of the major honors conditions set forth in the Catalog that is current at the time the student graduates;
- the dean of the college of the student's major provides initial notification in writing to the Office of the Registrar that the student is eligible for major honors within the first month of the graduation semester;
- the dean of the college of the student's major provides final notification in writing to the Office of the Registrar that the student has earned major honors no later than the semester day and time deadline for final grades for the anticipated term of graduation.

Given the above, the Honors student's transcript will be notated as follows: "Graduated with Honors in "(student's major)".

Graduation Honors

Honors recognized at commencement are based on the **cumulative Lander University GPA** that the student has earned at the end of the graduation term**. Students must have earned at least 60 credit hours at Lander University to be eligible for any academic honor.** Graduation honors are not awarded to graduate-level students. Students who are granted academic renewal are disqualified for graduation with honors. Summer graduates will be recognized for honors in the December ceremony.

Golden L Award - Awarded to students who have earned a cumulative GPA of at least 3.500 in the last 60 hours of undergraduate work through Lander University. Coursework graded on a "Pass/Fail" scale may not be used to meet the required hours or to meet the GPA requirement. Should hours be drawn from part of a semester's work, the GPA hours from the course(s) with the highest grades from that semester, regardless of the hours earned in the course(s), will be used for the calculation.

Latin Designations – All coursework taken at Lander University will be included in the calculation of the GPA for graduation with honors and students must have earned at least 60 credit hours at Lander University to be eligible for Latin Honors.

The required average for the respective honor is as follows:

Summa Cum Laude - A cumulative GPA of 3.90-4.00; will receive a silver and gold honor cord

Magna Cum Laude - A cumulative GPA of 3.75-3.89; will receive a gold honor cord

Cum Laude - A cumulative GPA of 3.50-3.74; will receive a silver honor cord

4.0 Medalists – Awarded to students who graduate with a 4.0 cumulative Lander University GPA given that the student has earned at least 60 credit hours at Lander University. Students will receive a gold medallion on a white ribbon to wear at the ceremony.

The Thayer Award – Given to the student graduating with the highest cumulative Lander University GPA, given that the GPA is at least 3.75 and that the student has earned at least 60 credit hours at Lander University. If more than one student is qualified, the student with the most earned hours of credit at Lander University will be the recipient.

The Office of the Registrar will have the above-mentioned cords and medallions available for graduates at the ceremony during line-up.

Students' Right to Petition

Students have the right to seek specific relief from the application of the academic policy of the University. To do so, the student must submit the request in writing on an Academic Petition form to the Office of the Registrar or an Appeal for Readmission form to the Office of Admissions. The request should include a concise letter of the circumstances that have led to the request and any required or suggested supporting documentation. At a minimum, the following deadlines must be observed:

- Petitions that must go to the University Petitions Committee must be completed and submitted to the Office of the Registrar no later than the close of business on the workday prior to the committee-meeting day at which the student wants the request to be heard. Petitions and supporting documents submitted after this deadline will be considered at the next monthly meeting of the committee.
- Appeals for Readmission must be completed and submitted to the Office of Admissions (additional instructions are on the form) no later than the close of business on the work day prior to the Admissions Committee meeting day at which the student wants the request to be heard. Students can appeal for readmission only to a Fall or Spring semester. Appeals and supporting documents submitted after this deadline will be considered at the next monthly meeting of the committee.

The University Petitions Committee and the Admissions Committee meet at least once during each month of the year; contact the Office of the Registrar or the Office of Admissions for the specific dates and times of these meetings.

AWARDS

Academic Awards

Thayer Award – The family of Dr. Henry K. Thayer gives an award at each commencement to the student graduating with the highest Lander GPA provided that the student has earned at least 60 credit hours in residence at Lander University and the student's Lander GPA is at least 3.75.

COLLEGE OF ARTS AND HUMANITIES

Alliance Française Medal (French)

Established by the Greenwood Chapter of the Alliance Française, this award is presented annually to a distinguished student of French.

Art Discipline Award

Given annually by the visual arts faculty to the most outstanding major in art. The recipient must exhibit high academic achievement, leadership, and promise in the field of art education, graphic design, art history, or any of the studio disciplines.

Art Education Award

Given annually by the visual art faculty to a student who exhibits a passion for teaching, and exceptional growth and skill in teacher education.

Art History Award

Given annually by the visual arts faculty to a student who has made the study of art history a part of their own artistic practice.

Ceramics Award

Given annually by the visual arts faculty to a ceramics student who demonstrates exceptional growth and skill in ceramics.

Creative Writing Award

This award is given annually by the humanities faculty to the student who writes the best work of creative writing published in *New Voices*: *Lander University's Student Journal*.

English Discipline Award

Given annually by the English faculty to an outstanding student of English based on scholarship and on dedication to the discipline.

Forum Award

Awarded to a student on the Forum student newspaper staff who demonstrates leadership, professionalism, and excellence in journalism.

Foundations Award in Art

Given annually by the visual arts faculty to a first-year art major who best demonstrates growth, ambition, positivity, critical thinking, and problem solving in one or more foundations courses.

French Discipline Award

Given annually by the French faculty to an outstanding student of French based on scholarship and on dedication to the discipline.

Graphic Design Award

Given annually by the visual arts faculty to a graphic design student who demonstrates exceptional growth and skill in graphic design.

Dessie Dean Pitts Humanities Award

Named in honor of Lander alumna Dessie Dean Pitts, this award is given annually by the humanities faculty to the student who writes the best work of nonfiction published in *New Voices*: *Lander University's Student Journal*.

Leadership in Art Award

Given annually by the visual arts faculty to a student who demonstrates exceptional leadership qualities and integrity in and out of class.

LUX Award

Awarded to LUX content producers or team members who demonstrate excellence in teamwork, creativity, and skilled craft.

Margaret M. Bryant Award (humanities)

Named in honor of its donor, this award is given annually by the humanities faculty to a senior majoring in a humanities discipline who plans to enroll in graduate school and who will represent Lander University well. The award includes a monetary gift.

Media and Communication Discipline Award

Given annually by the media and communication faculty to the most outstanding senior majoring in media and communication as evidenced by high academic achievement, leadership, and promise in the field of media and communication. The recipient must be expected to graduate within one calendar year of the award ceremony.

Music Discipline Award

Given annually by the music faculty to the most outstanding junior or senior music major in recognition of high academic achievement, quality contributions to the music program, artistry, and commitment to the disciplines. The recipient must be a full time student.

***New Voices* Art Award**

This award is given annually by the humanities faculty and student editors of *New Voices: Lander University's Student Journal*. The selected artwork is featured on the cover of that year's edition of the journal.

Painting Award

Given annually by the visual arts faculty to a painting student who demonstrates exceptional growth and skill in painting.

Photography Award

Given annually by the visual arts faculty to a photography student who demonstrates exceptional growth and skill in photography.

Sculpture Award

Given annually by the visual arts faculty to a sculpture student who demonstrates exceptional growth and skill in sculpture

Spanish Discipline Award

Given annually by the Spanish faculty to an outstanding student of Spanish based on scholarship and on dedication to the discipline.

Speech and Performance Award

Given to a student in the media and communication program who has shown outstanding creative initiative in the areas of speech and or performance.

Turner Music Award

Established in 1973 by Gladys Winchester Turner, a 1954 alumna. This award is given annually by the music faculty to a senior majoring in music who has maintained a high scholastic standing and has demonstrated the

potential for making an outstanding contribution to the field of music education, performance, or music-related work.

XLR award

Given annually by the media and communication faculty to the student who best demonstrates outstanding performances with audio in and outside of the XLR studio and values equal to XLR standards, as evidenced by character traits, audio techniques, and projects.

COLLEGE OF BEHAVIORAL AND SOCIAL SCIENCES

Alan Jones Award (political science)

Named in honor of a former international visiting professor, this award is given annually by the political science faculty to the junior or senior majoring in political science who has demonstrated the most outstanding promise entering the program.

Barbara A. Jackson Award (history)

Named in honor of a former Lander first lady, this award is given annually by the history faculty to the senior history major who wrote the best senior thesis.

Colonel James A. Lander Award (military science)

Given by the faculty in the Department of Military Science, this award is given to the outstanding senior cadet who has demonstrated moral character, high military and general academic standing, extracurricular involvement, and leadership qualities.

Criminology Discipline Award

Given annually by the faculty of the Department of Government, Criminology, and Sociology to an outstanding student of criminology based on scholarship and on dedication to the discipline.

Display of Outstanding Sociological Imagination Award (sociology)

Given annually by the sociology faculty to one or more sociology majors who amply demonstrated potential for success in graduate school.

History Discipline Award

Given annually by the history faculty to the graduating senior majoring in history with the highest cumulative grade point average.

Human Services Discipline Award

Given annually by the faculty of the Department of Psychological Science and Human Services to the student who exhibits high academic achievement and a promise of a successful career in human services.

International Studies Discipline Award

Given annually by the faculty of the Department of Government, Criminology, and Sociology to the student who exhibits high academic achievement and a promise of a successful career in international studies.

Lieutenant Colonel Walter Roark Award (military science)

Given by the faculty in the Department of Military Science, this award is given to the junior cadet who has demonstrated a high degree of proficiency in military science and in overall academic studies who also exemplifies high qualities of leadership, devotion to duty, and patriotism.

Non-Profit Management Award

Given annually by the faculty of the Department of Government, Criminology, and Sociology to an outstanding student who exhibits high academic achievement and promise for a successful career in non-profit management.

Departmental Service Award for Psychology and Human Services

Given annually by the psychology and human services faculty to one or more psychology majors who has demonstrated outstanding leadership in service activities for the department, university, or professional community.

Outstanding Initiative in Experiential Learning in Psychology Award

Given by the psychology faculty to one or more psychology majors who has demonstrated outstanding initiative in identifying and successfully completing a field placement or internship experience in an innovative, prestigious, or atypical setting.

Philosophy Discipline Award

Given annually by the philosophy faculty to an outstanding student of philosophy based on scholarship and on dedication to the discipline.

Political Science Discipline Award

Given annually by the political science faculty to the graduating senior majoring in political science with the highest cumulative grade point average.

Psi Chi Undergraduate Research Award (psychology)

Given annually by the psychology faculty to one or more psychology majors who demonstrated outstanding ability in conducting an independent research project.

Psychology Discipline Award

Given annually by the psychology faculty to the graduating senior majoring in psychology with the highest cumulative grade point average.

Public Administration Award

Given annually by the faculty of the Department of Government, Criminology, and Sociology to an outstanding student of public administration based on scholarship and on dedication to the discipline.

Sociology Discipline Award

Given annually by the sociology faculty to the graduating senior majoring in sociology with the highest cumulative grade point average.

COLLEGE OF BUSINESS

Accounting Discipline Award

Given annually by the accounting faculty to the most outstanding student in accounting who exhibits high academic achievement and promise of a successful career in business. The recipient must have an accounting emphasis, and must have a 3.0 GPA or above; he/she must be a graduating senior or must have graduated the previous fall or summer.

Finance/Economics Discipline Award

Given annually by the finance/economics faculty to the most outstanding student majoring in finance/economics who exhibits high academic achievement and promise of a successful career in business. The recipient must have a finance/economics emphasis, and must have a 3.0 GPA or above; he or she must be a graduating senior or must have graduated the previous fall or summer.

Health Care Management Discipline Award

Given annually by the health care management faculty to the most outstanding student in health care management who exhibits high academic achievement and promise of a successful career in business. The recipient must have a health care management emphasis, and must have a 3.0 GPA or above; he/she must be a graduating senior or must have graduated the previous fall or summer.

Hospitality Management Discipline Award

Given annually by the hospitality management faculty to the most outstanding student in hospitality management who exhibits high academic achievement and promise of a successful career in business. The recipient must have a hospitality management emphasis, and must have a 3.0 GPA or above; he/she must be a graduating senior or must have graduated the previous fall or summer.

IT Management Discipline Award

Given annually by the IT management faculty to the most outstanding student in IT management who exhibits high academic achievement and promise of a successful career in business. The recipient must have an IT management emphasis, and must have a 3.0 GPA or above; he/she must be a graduating senior or must have graduated the previous fall or summer.

Management/Marketing Discipline Award

Given annually by the management/marketing faculty to the most outstanding student majoring in management/marketing who exhibits high academic achievement and promise of a successful career in business. The recipient must have a management/marketing emphasis, must be expected to graduate within the academic year of the award ceremony, and must have a must have a 3.0 GPA or above.

Sports Management Discipline Award

Given annually by the sports management faculty to the most outstanding student in sports management who exhibits high academic achievement and promise of a successful career in business. The recipient must have a sports management emphasis, and must have a 3.0 GPA or above; he/she must be a graduating senior or must have graduated the previous fall or summer.

COLLEGE OF EDUCATION

Early Childhood Education Discipline Award

Given annually by the education faculty to the graduating senior majoring in early childhood education who best exemplifies academic achievement, moral character, professionalism and exemplary teaching ability.

Elementary Education Discipline Award

Given annually by the education faculty to the graduating senior majoring in elementary education who best exemplifies academic achievement, moral character, professionalism and exemplary teaching ability.

Excellence in Exercise Science Award

Given annually by the physical education and exercise science faculty to the graduating senior majoring in exercise science who best exemplifies academic achievement, moral character, leadership, and service activities for the department.

Exercise Science Discipline Award

Given annually by the physical education and exercise science faculty to an outstanding graduating senior majoring in exercise science based on excellent academic accomplishments as indicated by the cumulative grade point average and an involvement in the major.

Graduate Education Award

Given annually by the graduate education faculty to an outstanding graduate who best exemplifies professional leadership in the areas of teaching, contributions to the profession and school community and preferred dispositions of the professional educator.

Physical Education Discipline Award

Given annually by the physical education and exercise science faculty to an outstanding graduating senior majoring in physical education based on excellent academic accomplishments as indicated by the cumulative grade point average and an involvement in the major.

P-12 and Secondary Education Discipline Award

Given annually by the education faculty to the graduating senior majoring in secondary education, art education, or music education, who best exemplifies academic achievement, moral character, professionalism and exemplary teaching ability.

Special Education Discipline Award

Given annually by the education faculty to the graduating senior majoring in special education who best exemplifies academic achievement, moral character, professionalism, and exemplary teaching ability.

COLLEGE OF SCIENCE AND MATHEMATICS

Biology Discipline Award

Given annually by the biology faculty to the most outstanding senior in biology as evidenced by high academic achievement as well as promise of an exemplary career in biology, medicine, or a related field. The recipient must be a biology major expected to graduate within the calendar year of the award ceremony. At the time of graduation, the recipient must have completed at least 60 hours, including 20 hours in biology, at Lander.

Chemistry and Engineering Dual Degree Award

Given annually by the chemistry faculty to the upperclassman majoring in chemistry and engineering with the highest cumulative grade point average above 2.8. Freshmen are considered if there are no qualifying upperclassman.

Chemistry Discipline Award

Given annually by the chemistry faculty to the senior majoring in chemistry with the highest cumulative grade point average above 2.8. Juniors are considered if there are no qualifying seniors.

Chemistry Education, Secondary Certification Award

Given annually by the chemistry faculty to the senior majoring in chemistry education, secondary certification, with the highest cumulative grade point average above 2.8. Juniors are considered if there are no qualifying seniors.

Chemistry, Forensic Science Award

Given annually by the chemistry faculty to the senior majoring in chemistry, with an emphasis in forensic science, with the highest cumulative grade point average above 2.8. Juniors are considered if there are no qualifying seniors.

Computer Information Systems Discipline Award

Given annually by the discipline faculty to an upperclassman majoring in computer information systems who has completed at least 60 hours overall, including upper level computer information systems courses. The selection is based on grade point average and promise in the major.

Environmental Science Discipline Award

Given annually by the environmental science faculty to an outstanding graduating senior majoring in environmental science. Criteria for selection are excellent academic accomplishments as indicated by the cumulative grade point average and promise of an exemplary future career reflected by service to the discipline or community. Juniors are considered if there are no qualifying seniors.

Lander Science Scholar Awards

Given annually by the faculty of the Department of Biology and the Department of Physical Sciences to up to four freshman and upper classmen among the most promising science majors, who have a cumulative grade point average of at least 3.5.

Calculus Achievement Award

Given by the mathematics faculty to the most outstanding Calculus student(s) as evidenced by academic achievement in the sequence. Preference will be given to students that have completed Calculus I, II, and III at Lander.

Mathematics Discipline Award

Given annually to an upperclassman majoring in mathematics who has completed at least 60 hours overall, including upper level mathematics courses. The selection is based on grade point average and promise in the major.

Mathematics Education, Secondary Certification Award

Given annually to an upperclassman majoring in Secondary Education Mathematics who has completed at least 60 hours overall, including upper-level mathematics courses. The selection is based on grade point average and promise in the major.

Mathematics or Computing and Engineering Dual-Degree Award

Given annually by the mathematics and computing faculty to an outstanding student majoring in computer information systems or mathematics and intending to earn a degree from Lander University and an engineering degree from Clemson University. The recipient should be in the final year of study at Lander University prior to matriculating to Clemson University. The selection is based on grade point average and potential for success in the field of engineering.

Nell Henry Award (biology)

Established by Gwendolyn Burton Caldwell to honor a student possessing the qualities of character and achievement exemplified by Professor Nell Henry. This award is given annually to a rising senior woman (or a man if no woman fits the criteria during that year) majoring in biology who has a grade point average of at least 3.5 in science, a cumulative grade point average of at least 3.5, and high potential for future scholastic achievement and contributions to the field of biology. The recipient receives a monetary award as well as the Nell Henry Award gold pin.

Physics Discipline Award

Given annually by the physics faculty to the introductory physics students with the most outstanding achievements.

WILLIAM PRESTON TURNER SCHOOL OF NURSING

Prelicensure Nursing Discipline Award

Given annually by the nursing faculty to the graduating senior majoring in nursing with the highest cumulative grade point average. The recipient must not have repeated any Lander University nursing major program requirement course for a higher grade, must be currently enrolled in senior nursing courses, and must be expected to graduate within one calendar year of the award ceremony.

RN-BSN Discipline Award

Given annually by the nursing faculty to the registered nurse with the highest cumulative grade point average on coursework completed at Lander University. The recipient must have earned credit for at least four Lander BSN completion courses after admission to the RN-BSN option, must not have repeated any RN-BSN course, or previously received the award.

Barbara T. Freese Scholarly Development Award (nursing)

Established by nursing professor emeritus Dr. Barbara Freese in memory of her parents, this award is given annually by the nursing faculty to a senior majoring in nursing with a cumulative grade point average of at least 3.3 who has not repeated any Lander University nursing major program requirement course for a higher grade and who is currently enrolled in honors study in either the Lander University Honors Program or the School of Nursing Honors Program. The award includes a monetary gift.

Service Award

President's Award

Given annually by the President of Lander University in recognition of unique exemplification of the *ethic of service* to the Lander community.

Faculty Awards

Distinguished Professor Award

This award is given annually in recognition of a faculty member's exemplary performance as a classroom teacher, as a scholar in his or her chosen field of study, and in service to Lander University and beyond.

The Mary Frances Poole Alston Award

This award is presented to a faculty or staff member for providing visibility for Lander throughout the state of South Carolina, the United States, and the world. Rowland P. Alston, former host of the Emmy-winning SCETV horticulture and gardening show "Making it Grow," created the prize to honor his grandmother, Mary Frances Poole Alston, a member of the Lander class of 1914.

The Moore Award for Excellence in General Education Teaching

Named in honor of John Moore, the Moore Award recognizes one faculty member annually for outstanding commitment and contribution to general education. The Moore Award is sponsored by the Lander University Honors College.

Junior Faculty Scholarship Award

This award is given annually to the junior faculty member with the best record of scholarship. This award is restricted to full-time faculty members who are at least in their second year of employment at Lander, have earned a terminal degree, and who have not yet earned tenure at Lander.

Junior Faculty Teaching Award

This award is given annually to a junior faculty member who demonstrates the qualities associated with effective teaching. This award is restricted to full-time faculty members who are at least in their second year of employment at Lander but have not yet earned tenure or promotion to senior lecturer at Lander.

SPECIAL PROGRAMS

Cooperative Education (Co-op)

One of the most important things a college graduate can take into a job interview is related work experience. Cooperative Education provides students with that valuable training, combining academic instruction on campus with work experience in the community. The Cooperative Education program, known as Co-op, allows students to earn elective course credit while working in a job related to their major. An application process is required, as well as course tuition. Plans for Co-op should be made well in advance with the company and the Director of the EYE Program at Lander University.

Eligibility

Co-op students must have completed at least 30 hours of coursework with a minimum GPA of 2.25. Transfer students who have completed 15 credit hours at Lander may also apply. Co-op participation is open to students in all majors, depending on job availability.

Internships

Internships are academic experiences designed to give students practical work exposure in fields closely related to their majors. Interns work either in businesses or in agencies and are supervised by external personnel and designated faculty. Internships carry academic credit and are developed and administered by academic departments under the following *institutional policy* (academic departments may establish additional requirements for internships).

1. Normally students may earn no more than a total of nine credit hours for internships while enrolled at Lander. With the majority consent of the academic department, a student may earn a total of twelve credit hours from internships while enrolled at Lander. Credit for individual internships may vary but may not exceed a total of twelve credit hours for any single student.
2. A student must have a cumulative grade point average of at least 2.000 (academic departments may require higher cumulative grade point averages).
3. Academic departments may require course prerequisites for an internship.
4. A student must have earned a minimum of 45 credit hours in order to register for and undertake an internship (academic departments may require a higher minimum of credit hours).
5. Interns will normally work 96-120 hours (per three credit hour course) at their placement, the exact number of hours to be determined by the respective academic department.

Cooperative Programs with Other Institutions

In order to expand educational opportunities, the university maintains a variety of cooperative programs with colleges, universities, and other educational organizations. Detailed information on each of these programs is available from the offices specified below.

Clemson University - Lander University Engineering Dual-Degree Program enables students to combine two or three years of study in one of Lander University's liberal arts and sciences programs with two or three years of study in an engineering discipline at Clemson and, upon completion, earn degrees from both Lander and Clemson. For further information and to see how the estimated time periods vary with each program, consult the descriptions of the different engineering dual-degree majors on pages 250-251, 256-257, 270-271, 276-277, 292-293 and contact the Department of Mathematics and Computing or the Department of Physical Sciences.

The Western Piedmont Education Consortium is composed of school districts within Abbeville, Edgefield, Greenwood, Laurens, McCormick, Newberry and Saluda Counties and Lander University. Through the Staff Development Network, the Consortium makes possible increased school/college cooperation that focuses upon academic training of pre-service and in-service teachers and applied research activities.

Technical Colleges Transfer and Articulation Agreements provide for the transfer of course credits from all 16 South Carolina technical colleges for students registered in a program leading to the Associate in Arts or Associate

in Science degree. In addition, the University has developed course-by-course transfer guides for programs and courses other than those included in the AA and AS degree programs offered by the technical colleges. Guidelines for the transfer of credits and courses are available online at https://www.lander.edu/admissions/undergraduate/transfer-students or through the South Carolina Commission on Higher Education.

The EYE Program

The Experience Your Education (EYE) Program is an experiential learning program at Lander University designed to provide students with the opportunity to use academic knowledge to address real world challenges in an authentic context. The program includes internships, co-ops, service learning, study abroad experiences, and course-embedded projects. Earning EYE Program credit is a great way for graduates to show a potential employer that they have real world skills and experience that may make them more competitive in the job market.

Please Note: EYE credit is not a graduation requirement and does not affect a student's degree requirements for graduation. Students earning 120 EYE credits will receive the Golden EYE Award at graduation.

There are two ways to participate in the program.

1. The approved EYE Program activities listed under Approved Activities on the EYE Program website, www.lander.edu/eye, may provide opportunities to earn EYE credit. Students interested in earning EYE credit should contact the faculty mentor for information about the EYE activity associated with the course. The Faculty Mentor will work with the student throughout the activity to see that the expectations of the EYE Program are met and the credit is earned. Students should check the EYE Program website periodically for additional activities that will be added as they are approved. *Note: Enrollment in these courses does not guarantee EYE credit. The student must work with the faculty mentor to earn the credit. Also, some of the activities are upper-level courses and may have prerequisites.*
2. Look at the courses you plan to take or other activities you plan to be involved in and discuss possibilities for EYE Program credit with your instructors or the Director of the EYE Program. Other activities might include internships, co-ops, service learning, and study abroad. The process of approving and adding activities to the approved activities list will continue as new activities are identified or created.

Questions about the EYE Program should be addressed to the Director of the EYE Program at Lander University.

The Lander University Honors College

The Lander University Honors College is a community of academically gifted students who seek challenges beyond the typical classroom experience.

Lander University Honors College members

- Take specially designed Honors classes that explore topics in depth and encourage student interaction;
- Participate in faculty-led and independent research opportunities and present scholarly work at conferences and showcases;
- Enjoy a wealth of opportunities to participate in national and international study;
- Create a culture of academic excellence by taking part in cultural and social activities locally; and
- Upon completion of all Honors College requirements will receive special recognition upon graduation.

Admission and Enrollment

Admission to the Lander University Honors College is competitive.

Incoming first-year Lander freshman who wish to apply for admission to the Honors College should:

- Have a combined Math/Critical Reading SAT score of at least 1170 or a composite ACT score of at least 24; and
- Complete an application form; and
- Provide sufficient evidence of promise of academic excellence based on:
  - An academic writing sample or creative portfolio;
  - Two letters of recommendations from mentors, including one from a person who can address the quality of the student's academic promise; or
  - An interview with the Honors Committee.

Currently enrolled Lander students and transfer students who wish to apply for admission to the Honors College should:

- Have an overall university GPA of 3.5 or above;
- Complete an application form; and
- Provide sufficient evidence of promise of academic excellence based on any one of the following:
  - An academic writing sample or creative portfolio;
  - Two letters of recommendation from university faculty; or
  - An interview with the Honors Committee.

To continue enrollment in the Honors College, a student must maintain an overall GPA of 3.0 and remain active in Honors coursework or activities.

If space is available, students who are not members of the Honors College may register for individual honors courses with instructor permission and Honors Director.

Honors College Curriculum

To complete all Honors College requirements, students take at least 15 hours of honors-level coursework and complete some additional challenges, as outlined below. The honors curriculum is designed to promote active learning and global awareness. Honors courses emphasize student-driven discussion, depth of inquiry, and independent and small-group learning. Other honors experiences encourage academic travel and professionalization.

Gateway Courses (4 credit hours of required coursework)

HONS 210.HONORS TRAVEL LABORATORY..... 1 credit hour

HONS 211.HONORS TOPICS IN THE HUMANITIES
(*General Education – Humanities and Fine Arts) ..... 3 credit hours

***Core Courses* (at least 9 hours of coursework, selected from offerings below)**

HONS 291.HONORS TOPICS IN PUBLIC AFFAIRS
(*General Education - Behavioral and Social Perspectives) ..... 3 credit hours

HONS 292.HONORS TOPICS IN PHILOSOPHY AND RELIGION
(*General Education – Humanities and Fine Arts) ..... 3 credit hours

HONS 293.HONORS TOPICS IN LABORATORY SCIENCE
(*General Education – Scientific and Mathematical Reasoning) ..... 4 credit hours

HONS 294.HONORS TOPICS IN BEHAVIORAL SCIENCE
(*General Education – Behavioral and Social Perspectives) ..... 3 credit hours

HONS 295.HONORS TOPICS IN FINE ARTS
(*General Education - Humanities and Fine Arts) ..... 3 credit hours

HONS 296.HONORS TOPICS IN HISTORY
(*General Education - Behavioral and Social Perspectives) ..... 3 credit hours

HONS 297.HONORS TOPICS IN LITERATURE
(*General Education - Humanities and Fine Arts) ..... 3 credit hours

HONS 298.HONORS TOPICS IN SCIENCE
(*General Education – Scientific and Mathematical Reasoning) ..... 3 credit hours

HONS 299.TOPICS IN MATHEMATICS
(*General Education – Scientific and Mathematical Reasoning) ..... 3 credit hours

HONS 389.DIRECTED INDEPENDENT STUDY ..... 1-3 credit hours

HONS 390.SPECIAL TOPICS ..... 1-4 credit hours

HONS 393.HONORS TOPICS IN WORLD CULTURES
(*General Education - World Cultures)..... 3 credit hours

*Some majors require students to take specific courses for certain General Education categories. Consult major advisor and major program requirements.

Students may pursue unique projects through individual or small group tutorials with the approval of the Honors Committee.

Break Away

Students will spend a semester or summer going beyond the traditional classroom experience. Options include study abroad, study away, internships, and directed independent research. Break Away plans are proposed by the student; the proposal form and instructions are available on the Honors College webpage. Break Away Proposals must be approved by the Honors Advisors.

Capstone Experiences (2 hours of required coursework)

HONS 489.HONORS REFLECTION SEMINAR ..... 1 credit

HONS 499.HONORS CAPSTONE SEMINAR ..... 1 credit

Study Abroad Opportunities

Lander encourages all students to experience another culture first hand by living and studying abroad. Regardless of their major, students who study abroad can maintain steady progress toward graduation by taking courses overseas that count toward Lander curriculum requirements. Agreements with numerous universities and organizations allow qualified Lander students to spend a semester or summer abroad, some for no more than the cost of a semester on campus. Although most Lander students study abroad in Europe, we have the ability to provide such experiences throughout the world.

Lander has one-on-one agreements with a number of quality institutions around the world, including

- the University of Winchester, in Winchester, England;
- Tandem Escuela Internacional, in Madrid, Spain;
- the University of Alicante, in Alicante, Spain;
- Salzburg College, in Salzburg, Austria;
- the University of the Aegean, in Rhodes, Greece; and
- Kyungpook National University, in Daegu, South Korea.

In addition, Lander works with third-party providers such as University Studies Abroad Consortium (USAC) and Academic Studies Abroad (ASA), to provide many more programs worldwide.

In addition, Lander faculty lead spring break and summer study tours focusing on academic topics such as the history of biology in London and Paris, art museums and the Biennale in Venice, international marketing in Milan, and medieval pilgrimage in Portugal and Spain. Students who have a GPA of 2.5 or above and who have completed at least 15 credit hours of college-level study may apply to participate in these Lander-sponsored short term overseas experiences.

Honors College students are especially encouraged to study abroad for a semester or summer, going beyond the traditional classroom experience; options include study abroad, study away, internships, and directed independent research. Honors College students are encouraged to apply to the Global Scholars Program, and may receive a competitive study abroad scholarship.

Students who plan to spend a semester abroad should confer with their advisors in order to plan their academic program two or three semesters in advance. The World Cultures requirement for General Education is waived for students who spend a full semester on an approved study abroad program (although each student must still earn the minimum number of hours required for a Lander degree.)

Students who wish to participate in a study abroad program should contact the Director of Study Abroad by email at studyabroad@lander.edu. For further information see: https://www.lander.edu/academics/study-abroad/index.html. Lander will not approve student travel to countries that are listed by the U.S. Department of State as unsafe for American travelers. Study at institutions that do not provide services and support for visiting international students will not be recommended.

Study abroad involves expenses in addition to expenses associated with attending Lander University. Most financial aid can be applied to study abroad, and special scholarship support for study abroad is available.

GENERAL EDUCATION

At Lander University, a liberal arts education that gives students a broad base of knowledge, an in depth understanding in their major, and the ability to think deeply and critically is valued. Every course at Lander should help students think deeply and critically, and the General Education program focuses on that goal. It is important to emphasize that what is done at Lander University, a liberal arts institution since its founding, is not limited to, nor restricted by, the following general education competencies. The general education curriculum provides a means of acquiring life skills, a common core of intellectual experiences, and a liberal arts foundation appropriate for all students. These experiences should allow students to successfully complete any undergraduate program of study and to be intellectually prepared for the challenges of modern life.

Competencies

The General Education program is designed to enable students to develop:

1. University-level knowledge and comprehension
2. The ability to apply information
3. The ability to analyze information
4. The ability to communicate effectively and appropriately

General Education Curriculum

The categories below address all four of the competencies and the particular courses offered within each category. Students should check the major program requirements on the following pages for the specific general education courses that may be required in a particular category for each academic program.

Students who have earned a bachelor's degree from a regionally accredited institution are not required to meet the General Education Requirements.

Any transfer student with an AA or AS degree from a regionally-accredited institution will have met their general education requirements at Lander provided they earned a grade of "C" or better in each course applicable to the AA or AS degree. Students will still have to meet specific requirements of their major, prerequisite requirements for upper-level coursework, and any South Carolina requirement."

Students transferring to Lander with 12 or more credit hours post high school graduation from a regionally-accredited institution will be able to apply specific courses that counted for general education credit at the originating institution as meeting specific general education requirements in Lander's general education program under the following conditions.

- If the course was taken prior to enrollment at Lander and
- If the course grade was a "C" or better.

Note: Courses in mathematics are not included in this policy.

This policy does not exempt the student from taking courses that might be degree requirement or prerequisites of upper-level coursework.

Courses indicated in the South Carolina Transfer and Articulation Center (SC TRAC) as transferring to Lander University with course numbers of 1xxG or 2xxG will satisfy specific requirements in the Lander University General Education Program. Other courses will also meet general education requirements if the course articulates with a Lander University course approved for general education.

This policy does not exempt the student from taking courses that might be degree requirements or prerequisites for upper-level coursework. If more credit hours transfer than are required in a specific general education category, the extra credit hours will count as elective hours.

General Education Category/Courses (credit hours)

A. Core Academic Skills (9 credit hours)
These courses and experience lay the foundation for a coherent liberal arts education.
ENGL 101 (3 credit hours required)
ENGL 102 (3 credit hours required)
MATH (3-4 credit hours required):
MATH 101, MATH 121, MATH 123, MATH 141, MATH 211, MATH 212

B. Humanities and Fine Arts (6 credit hours selected from 2 different disciplines)
These courses add to the students' understanding of the intention, context, audience and modes of artistic expression.
ART 101, ART 102
ENGL 114, ENGL 201, ENGL 202, ENGL 204, ENGL 205, ENGL 214, ENGL 221, ENGL 241
FA 103
HIST 330
HONS 211, HONS 292, HONS 295, HONS 297
HUMA 111, HUMA 213, HUMA 230, HUMA 285, HUMA 330, HUMA 390
MEDA 101, MEDA 210, MEDA 215, MEDA 311, MEDA 370, MEDA 371, MEDA 372, MEDA 380
MUSI 101, MUSI 201, MUSI 333, MUSI 376, MUSI 377, MUSI 378
PHIL 102, PHIL 103, PHIL 302, PHIL 309, PHIL 312, PHIL 315, PHIL 341
SPCH 101
THTR 201

C. Behavioral and Social Perspectives (6 credit hours selected from 2 different disciplines)
These courses focus on human behavior and the institutions and social systems, past and present, that shape and are shaped by that behavior.
ANTH 104
CRIM 101
ECON 101
HIST 101, HIST 102, HIST 111, HIST 112, HIST 121, HIST 122
HONS 291, HONS 294, HONS 296
PHIL 205
PEES 325
POLS 101, POLS 103, POLS 250
PSYC 101
SOCI 101

D. Scientific and Mathematical Reasoning (7 credit hours selected from 2 different disciplines; 1 laboratory science required)
1. Laboratory Science (If 2 laboratory sciences are selected, they must be from 2 different disciplines)
ASTR 111
BIOL 101, BIOL 102, BIOL 103, BIOL 111, BIOL 112
CHEM 103, CHEM 105, CHEM 106, CHEM 111, CHEM 112
GEOL 111
HONS 293
PSCI 111, PSCI 112
PHYS 101, PHYS 201, PHYS 202, PHYS 203, PHYS 211, PHYS 212
2. Mathematical Reasoning and/or non-laboratory science courses
ASTR 101
CHEM 101
ES 111
HONS 298, HONS 299
MATH 101, MATH 121, MATH 123, MATH 141, MATH 142, MATH 211, MATH 212
PHYS 105

E. Founding Documents of the United States (3 credit hours)
HIST 111
POLS 101

F. World Cultures (3 credit hours)

Courses in this category foster students' awareness of the identities perspectives, and ways of life in contemporary societies located primarily outside of the United States. These courses are intended to nurture cultural sensitivity, deepen an appreciation for cultural difference, and cultivate a sense of place in an interconnected world.

- Courses in this category engage students in understanding and/or analyzing one or more cultures, peoples and/or societies through the interpretation of current institutions, worldviews and/or issues.
- Courses in this category promote a critical knowledge of cultural phenomena such as the arts, language, literature, religion, politics**,** and/or social interaction.
- Courses in this category explore the impact (for example: economic, educational, environmental, health, and/or political) of power differentials as they relate to practices, beliefs, histories, traditions, and/or lived experiences of select societies around the world.

The World Cultures requirement will be waived for international degree-seeking students as well as students who spend a semester on an approved study abroad program; each student must still earn the minimum number of hours required for a degree.

CHEM 381
EDUC 309
ES 314
FR 101, FR 102, FR 203
HIST 307, HIST 363**,** HIST 365, HIST 370, HIST 375, HIST 376, HIST 377
HONS 393
HUMA 102, HUMA 103, HUMA 391
LEG 366
MUSI 333
NURN 310, NURS 310
POLS 103, POLS 303, POLS 305, POLS 361, POLS 366
RELI 301
SPAN 101, SPAN 102, SPAN 203, SPAN 204, SPAN 205, SPAN 207, SPAN 217, SPAN 320, SPAN 327, SPAN 355, SPAN 357, SPAN 367

G. LINK 101 (1 credit hour)

University Requirement

FALS Requirement is Temporarily Suspended

FALS 101.FINE ARTS AND LECTURESHIP SERIES:
15 FALS-approved events are required for graduation; no credit hours.

Fine Arts and Lectureship Series (FALS)

Lander University recognizes that a college education should provide opportunities to expand and deepen a student's cultural development. The FALS (Fine Arts and Lectureship Series) requirement is intended to ensure that students are exposed to out of class performances and activities that broaden their perspectives and understanding.

All undergraduate, degree-seeking students are required to attend 15 events for which they receive no credit hours toward graduation as FALS 101. Students are not required to attend more than 15 FALS events. Students may attend approved events scheduled on campus and in the city of Greenwood. Additionally, students may petition to have other off-campus events and exhibits approved as FALS events. Students enrolled in a totally online degree program, students in Project CREATE, and second undergraduate degree candidates are not required to attend FALS events.

Students who participate in the Lander University study abroad program, for either a long-term stay (one semester to two semesters) or a short-term stay (a few days to a few weeks), may receive FALS credits.

Students participating in a one-semester study abroad program will automatically receive credit for four FALS events for their first semester abroad. They may also petition to receive up to three additional FALS credits for the semester by completing FALS petition forms (download at http://www.lander.edu/fals).

If a student spends an additional semester in the same country, automatic credit for FALS events will not be given; however, the student may complete FALS petition forms to apply for up to six additional FALS credits for activities and events attended during this additional semester abroad.

Students participating in short-term study abroad trips may also receive FALS credits for activities completed either with their Lander tour group or independent of this group's itinerary. In the case of the former, the faculty leader must have submitted in advance of the trip a short-term study abroad FALS form for approval by the FALS committee. This form will include a list of activities, short descriptions of these activities, the proposed number of credits, and the list of students expected to participate. Following the trip, the faculty leader should also submit to the FALS committee a list of students who attended each of the activities listed on the FALS. FALS credits will not be awarded for those activities that are required as part of a course. Students may complete FALS petition forms for additional activities not covered in their faculty leader's form, so long as they are beyond the scope of the course. It is the student's responsibility to submit such petitions to the FALS committee upon returning from the trip. Petition Forms for Off-Campus Events are available for download at http://www.lander.edu/fals).

Students may not receive credit for approved events in which they participate or for any event for which Lander University academic credit is given and may receive credit for only one performance of each event.

For events on the Lander campus, students are responsible for having their Lander ID scanned at the entrance to the event before the event begins and scanned again at the conclusion of the event. If scanners are not available, attendance cards must be obtained at the entrance to the event before the event begins and they must be turned in at the conclusion of the event.

Candidates for graduation must have attended the required number of events by the deadline set by the Office of the Registrar in the semester in which graduation is expected to occur.

FALS events during the summer are limited in number.

LANDER UNIVERSITY
UNDERGRADUATE ACADEMIC PROGRAMS

2022-2023

COLLEGE OF ARTS AND HUMANITIES

Mark Rollins, Ph.D.
Dean of the College of Arts and Humanities
Professor of English

Karen A. Hammond, Administrative Assistant
Melody L. Johnson, Administrative Specialist
Courtney E. Myers, Administrative Specialist

Department of Art + Design

Sandy Singletary, MFA
Chair of the Department of Art + Design
Associate Professor of Art

Kristen Applegate, Ph.D.
Assistant Professor of Art Education
Maria Blokhina, MFA
Assistant Professor of Art
Haley Floyd, MFA
Lecturer of Art
Jonathan O. Holloway, MFA
Professor of Art
Douglas L. McAbee, MFA
Professor of Art
Asma Nazim-Starnes, MFA
Associate Professor of Art
James Romaine, Ph.D.
Professor of Art History
Elizabeth Snipes-Rochester, MFA
Professor of Art

Department of English and Foreign Languages

Jeffrey S. Baggett, Ph.D.
Chair of the Department of English and Foreign Languages
Professor of English

James A. Anderson, Ph.D.
Associate Professor of English Education
Sean M. Barnette, Ph.D.
Professor of English
Lauren J. Corbitt, MA
Senior Lecturer of Spanish
Lillian E. Craton, Ph.D.
Professor of English
Brittany Cuenin, MA
Senior Lecturer of English
Grace Sara Harwood, Ph.D.
Lecturer of English
Andrew L. Jameson, Ph.D.
Associate Professor of English
Misty L. Jameson, Ph.D.
Professor of English
Amanda Rebecca Johnson, MA
Lecturer of English
Pedro Lopes, Ph.D.
Professor of Spanish
C. Renee Love, Ph.D.
Professor of English
Laura Martin, MFA
Assistant Professor of English
Starlyn McGee-Anderson, MFA
Senior Lecturer of English
Kathryn McLaughlin-Rojas, MA
Senior Lecturer of English
Carl R. Mentley, Ph.D.
Professor of Spanish
Osvaldo Parrilla, Ph.D.
Professor of Spanish
Virginia R. Scoggins, Ph.D.
Assistant Professor of English
Lloyd E. Willis, Ph.D.
Associate Professor of English
Interim Dean of the College of Online and Graduate Programs

Department of Media and Communication

Misty Jameson, Ph.D.
Interim Chair of Department of Media and Communications
Professor of English and Film Studies

Cory Carpenter, MFA
Assistant Professor of Media and Communication
Laura E. Hester, MMC
Associate Professor of Media and Communication
Walter J. Iriarte, Ph.D.
Assistant Professor of Media and Communication
Christoph Kresse, MA
Lecturer of Media and Communication
Monique Sacay-Bagwell, MFA
Professor of Speech and Performance
Robert F. Stevenson, Ph.D.
Professor of Media and Communication

Department of Music

Lila D. Noonkester, DMA
Chair of the Department of Music
Associate Professor of Music

Amy Blackwood, MM
Senior Lecturer of Music
Reed P. Gallo, DMA
Professor of Music
Robert A. Gardiner, DMA
Professor of Music
Robert T. Kelley, Ph.D.
Professor of Music
Chuck Neufeld, DMA
Professor of Music
Colleen White, DMA
Assistant Professor of Music

THE COLLEGE OF ARTS AND HUMANITIES
PROGRAMS OF STUDY

Department of Art + Design

BDes Graphic Design
BFA in Visual Art, 2D Studio Emphasis
BFA in Visual Art, 3D Studio Emphasis
BA in Visual Art
BA in Visual Art, K-12 Teacher Certification

Department of English and Foreign Languages

BA in English
BA in English, Professional Writing Emphasis
BA in English, Secondary Certification
BA in Humanities
BA in Spanish

Department of Media and Communication

BS in Media and Communication
BS in Digital Media Production

Department of Music

BS in Music, Instrumental Emphasis
BS in Music, Keyboard Emphasis
BS in Music, Vocal Emphasis
BS in Music, K-12 Teacher Certification, Choral Emphasis
BS in Music, K-12 Teacher Certification, Instrumental Emphasis
BS in Music, K-12 Teacher Certification, Keyboard Emphasis

College of Arts and Humanities
Mission Statement

The College of Arts and Humanities offers programs designed to examine the artistic, cultural, and social perspectives that influence the contemporary world. The College cultivates the arts of expression, creativity, and innovation to encourage students, faculty, and community to collaborate productively and progressively as citizens of an evolving society and the world.

DEPARTMENT OF ART + DESIGN

Mission

Lander University is proud to be accredited by the National Association of Schools of Art and Design (NASAD). The Lander University Department of Art + Design offers a range of rigorous and market-driven professional, liberal arts, and masters programs to ambitious and talented students. These programs are delivered in an engaging environment that fosters creative and technical growth, as well as innovation and originality.

Vision

All Lander art graduates are creative, skilled visual problem solvers who are prepared to continue their education or launch a professional career in art or design. All graduates have a marketable professional portfolio, relevant professional experiences, and a strong sense of purpose.

The Department of Art + Design offers five types of degrees: Bachelor of Design in Graphic Design (a professional design degree), Bachelor of Fine Arts in Visual Art (a professional art degree), Bachelor of Arts in Visual Art (a liberal arts degree) with a studio or a K-12 certification emphasis, Master of Fine Arts (a terminal degree), and Master of Arts in Teaching (graduate level K-12 certification).

Bachelor of Design in Graphic Design Major

The Bachelor of Design prepares students for a professional career in the field of design by providing experience in Graphic Design, Web Design, Interactive and Mobile Design, New Media, and other design related areas of study.

Bachelor of Fine Arts in Visual Art Major

The Bachelor of Fine Arts in Visual Art program prepares students for a professional career or graduate degree in art. Students gain professional-level mastery of studio techniques associated with their discipline of choice, while developing an individual conceptual voice. The Visual Art with 2D Studio Emphasis and Visual Art with 3D Studio Emphasis programs of study are planned to provide:

- acquisition of knowledge about art and design
- demonstration of the skills and sensitivities needed by art and design professionals and scholars
- conceptual development in art and design
- insight into the role of art and design in intellectual and cultural life
- communication in and about the arts

Bachelor of Fine Arts Visual Art Program Objectives

Students graduating from Lander University with a Bachelor of Fine Arts degree in Visual Art will demonstrate a competency in an area of specialization and demonstrate the potential for continued growth as an art/design professional. Specific standards, outlined by the National Association of School of Art and Design, include:

1. Functional competence with principles of visual organization, including the ability to work with visual elements in two and three dimensions; color theory and its applications; and drawing.
2. Presentation of original artwork that demonstrates advanced conceptual understanding, and technical facility.
3. Familiarity with the historical achievements, current major issues, processes, and directions in an emphasis area.
4. Experience to prepare and exhibit a cohesive body of original artwork and to participate in critiques of one's own artwork and the work of others.

Admission Procedure

After admission to the University, visual art majors begin foundation studies in art. Following successful completion of art courses required in the freshman year, students making satisfactory progress will be advised to continue to 200-level studio art courses. At the conclusion of the sophomore year, students will undergo a BFA Candidacy Review, at which time they may be admitted to the BFA program. Students must meet minimum progress

requirements at each level. Upon completion of all program requirements, students will undergo a final BFA Review.

Program Specialization

At the beginning of the junior year, students following their prescribed program of studies concentrate on 2D Studio or 3D Studio. Students are also expected to participate in arts activities, internships or community activities, which enhance the ability to meet their professional goals. The BFA visual art program is designed to allow students to specialize in an emphasis area to prepare them for a professional career or advanced degree program in art and design.

Bachelor of Fine Arts in Visual Art Major with 2D Studio Emphasis

BFA Visual art majors may pursue an emphasis in 2D Studio. This emphasis is designed to meet the needs of students who are interested in pursuing an advanced degree or professional studio practice in 2-dimensional media such as Drawing, Painting, Photography, Printmaking, and/or Mixed Media. In their upper-level courses, students will focus on gaining experience in a variety of 2-dimensional media. This will prepare them to develop a cohesive body of advanced-level artwork during the senior year, which will be exhibited in a Senior Show.

Bachelor of Fine Arts in Visual Art Major with a 3D Studio Emphasis

BFA Visual art majors may pursue an emphasis in 3D studio. This emphasis is designed to meet the needs of students who are interested in pursuing an advanced degree or professional studio practice in 3-dimensional media such as Ceramics, Sculpture, and/or Mixed Media. In their upper-level courses, students will focus on gaining experience in a variety of 3-dimensional media. This will prepare them to develop a cohesive body of advanced-level artwork during the senior year, which will be exhibited in a Senior Show.

Bachelor of Arts in Visual Art Major

The BA in Visual Art program is a versatile liberal arts degree with maximum flexibility and elective opportunity. This degree is designed for students who wish to add a minor, a second major, or K-12 certification at the undergraduate level. This program provides students with a broad range of experience and understanding in art and design. Students pursuing a BA in Visual Art are strongly encouraged to also choose a minor. The Visual Art and Visual Art with K-12 Teacher Certification programs of study are planned to provide:

- acquisition of knowledge about art and design
- development of thinking in and through the arts
- demonstration of skill in art and design
- communication in and about the arts

Program Objectives

Students graduating from Lander University with a degree in visual art demonstrate a general knowledge of art concepts and the ability to apply art techniques in a range of media as outlined by the National Association of Schools of Art and Design standards, including:

1. Familiarity with the works and intentions of major artists, designers, and movements of the past and the present, both in the Western and non-Western worlds.
2. Knowledge about the nature of contemporary thinking on art and design and the nature of quality in design projects and works of art;
3. Ability to make workable connections between concept and media through a variety of art-making methods;
4. Technical skills, perceptual development, and understanding of principles of visual organization sufficient to achieve basic visual communication and expression in an art medium; and
5. Experience to compile a portfolio showing the development of visual sensitivity.

Admission Procedure

After admission to the University, BA visual art majors begin foundation studies in art. Following successful completion of art courses required in the freshman year, students will be advised to continue to 200-level studio art courses. Students must meet minimum progress requirements at each level.

Program Specialization

At the beginning of the junior year, students following their prescribed program of studies concentrate in arts activities, courses, internships, or community activities that enhance their career goals. The BA Visual Art program is designed to meet the needs of a variety of interests with advanced course opportunities in ceramics, graphic design, painting, photography, sculpture, and art education. BA in Visual Art majors interested in K-12 teacher certification should choose the K-12 teacher certification emphasis.

Bachelor of Arts in Visual Art Major with K-12 Teacher Certification

Teacher Certification Program Goals:

The program of studies in visual art with teacher certification is accredited by both the National Association of Schools of Art and Design (NASAD) and the Council for the Accreditation of Educator Preparation (CAEP). Students graduating from Lander University with recommendation for teacher certification complete student teaching, coursework and testing requirements recommended for certification in South Carolina consistent with the College of Education's conceptual framework. This framework provides direction for programs, courses, teaching and teacher candidate assessment. The framework is built on the conceptual model of the "Professional Educator" as one who demonstrates these Learner Outcomes:
The Professional Educator:

1. integrates content knowledge and skills of scholarly inquiry to teach all students;
2. plans, provides and assesses learning experiences that are supported by research, knowledge of best practice and professional standards;
3. communicates and collaborates with diverse populations (students, educators, families and community members) exhibiting professional behaviors and dispositions; and
4. engages in reflection and professional development to foster student learning and inform instructional decisions.

Student Eligibility

The Lander art program is one that emphasizes the philosophy that "those who teach must also do." Therefore, the teacher-training program provides the student with a solid background in the fine arts, with a variety of experiences from which to draw upon in the classroom, as well as being a source for developing personal interests.

Students enrolled in Secondary (History, English, Chemistry, Mathematics) or PK-12 (PE, Art, Music):

Provisional Status

1. Demonstrate professional behaviors and dispositions* at all times.
2. Maintain a minimum 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
3. Pass **ALL 3** sections of Praxis Core or have exempting SAT/ACT scores on file at Lander University and confirmed by the Department of Teacher Education.
4. Successfully complete other reviews as required by departments in specific content areas.
5. Apply for admission to the professional program in teacher education (see Department of Teacher Education section of catalog for requirements).

Candidate Status

1. Enter candidacy with formal admission to the professional program in teacher education.
2. Demonstrate professional behaviors and dispositions* at all times.
3. Maintain a 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
4. Take the Praxis II prior to the student teaching semester**
5. Take the PLT (Principles of Learning and Teaching) by the end of the student teaching semester **

Successfully complete other departmental requirements, reviews, projects, or milestones.

Students not meeting one or more of the requirements will not progress to Candidate Status.

*Lander University has high expectations for all teacher education majors. Teacher education majors who exhibit unacceptable dispositions may be removed from the program. Procedures for removal are outlined within the Department of Teacher Education handbook.

**Praxis II and PLT must be passed to apply for certification with the South Carolina Department of Education.

Art History Minor

Students who are pursuing any major may pursue a minor in art history.
Requirements for the minor in art history are:

ART 111: Art History Survey I	3
ART 112: Art History Survey II	3
Four 300-level art history courses	12
TOTAL	18

Ceramics Minor

Students who are pursuing a major in an area other than art may pursue a studio-based minor in Ceramics. Requirements for the minor in Ceramics are:

ART 103: Drawing I	3
ART 105: Two-Dimensional Composition	3
ART 106: Three-Dimensional Composition	3
ART 207: Ceramics I	3
ART 307: Ceramics II	3
ART 407: Ceramics III	3
Art Studio Elective (choose 3 credit hours from the following)	3
ART 202: Sculpture I	
ART 306: Printmaking I	
ART 320: Investigation of Line	
ART 350: Special Topics in Art	
ART 427: Advanced Ceramics Studio I	
TOTAL	21

Design Minor

Students who are pursuing a major in an area other than art may pursue a minor in Design.
Requirements for the minor in Design are:

ART 103: Drawing I	3
ART 105: Two-Dimensional Composition	3
DES 201: Typography	3
DES 203: Graphic and Interactive Design I	3
DES 330: History of Graphic Design	3
Design Elective (Choose 6 credit hours from the following: DES 2xx, DES 3xx, DES 4xx	6
TOTAL	21

General Studio Art Minor

Students who are pursuing a major in an area other than art may pursue a minor in General Studio Art minor.
Requirements for the General Studio Art minor are:

ART 103: Drawing I	3
ART 105: Two-Dimensional Composition	3
ART 106: Three-Dimensional Composition	3
Studio Courses (Choose 12 credit hours from the following)	
ART 2xx, ART 3xx, or 4xx art studio courses	12
TOTAL	21

Painting and Drawing Minor

Students who are pursuing a major in an area other than art may pursue a studio-based minor in Painting and Drawing. Requirements for the minor in Painting and Drawing are:

ART 103: Drawing I	3
ART 104: Drawing II	3
ART 105: Two-Dimensional Composition	3
ART 106: Three-Dimensional Composition	3
ART 205: Painting I	3
ART 305: Painting II	3
Art Studio Elective (choose 3 credit hours from the following)	3
ART 320: Investigation of Line	
ART 405: Painting III	
TOTAL	21

Photography Minor

Students who are pursuing a major in an area other than art may pursue a studio-based minor in Photography. Requirements for the minor in Photography are:

ART 105: Two-Dimensional Composition	3
ART 203: Photography I	3
ART 303: Photography II	3
ART 403: Photography III	3
Art Studio Elective (choose 6 credit hours from the following)	6
ART 315: History of Photography	
ART 321: Landscape Photography	
ART 322: Portrait Photography	
ART 323: Documentary Photography	
Media Elective (choose 3 credit hours from the following)	3
MEDA 310: Digital Video Production	
MEDA 311: The Art of the Podcast	
MEDA 351: Social Media	
TOTAL	21

Sculpture Minor

Students who are pursuing a major in an area other than art may pursue a studio-based minor in Sculpture. Requirements for the minor in Sculpture are:

ART 103: Drawing I	3
ART 105: Two-Dimensional Composition	3
ART 106: Three-Dimensional Composition	3
ART 202: Sculpture I	3
ART 302: Sculpture II	3
ART 402: Sculpture III	3
Art Studio Elective (choose 3 credit hours from the following)	3
ART 207: Ceramics 1	
ART 306: Printmaking I	
ART 320: Investigation of Line	
ART 350: Special Topics in Art	
ART 422: Advanced Sculpture Studio I	
TOTAL:	21

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF DESIGN (BDes)
MAJOR: GRAPHIC DESIGN

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS

ART 103: Drawing I	3
ART 104: Drawing II	3
ART 105: Two-Dimensional Composition	3
ART 106: Three-Dimensional Composition	3
ART 111: Art History Survey I	3
ART 112: Art History Survey II	3
ART 203: Photography I	3
DES 201: Typography	3
DES 221: Typography II	3
DES 203: Graphic and Interactive Design I	3
DES 223: Graphic and Interactive Design II	3
DES 330: History of Graphic Design	3
DES 499: Capstone	1

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

ART 200 level studio (choose 6 credit hours from the following) 6
- ART 202: Sculpture I
- ART 205: Painting I
- ART 207: Ceramics I

ART History (choose 3 credit hours from the following) 3
- ART 312: Islamic Art and Culture
- ART 314: Asian Art History
- ART 315: History of Photography
- ART 316: History of American Art
- ART 317: Global Contemporary Art
- ART 318: Origins of Modernism
- ART 319: Modernism
- ART 324: Postwar Art
- ART 371: Special Topics in Art History
- ART 372: Travel Related Art History

MAJOR PROGRAM EMPHASIS REQUIREMENTS

Set I (choose 12 credit hours from the following) 12
- DES 304: Logo and Branding Design
- DES 308: Sustainable Design
- DES 309: Digital Illustration
- DES 311: Package Design
- DES 350: Special Topics
- DES 402: Publication Design
- DES 404: Logo & Branding Design II
- DES 490: Internship

Set II (choose 12 credit hours from the following) 12
- DES 305: Web Design I
- DES 306: Motion Graphics
- DES 307: Experience Design
- DES 310: Social Media & Networking
- DES 350: Special Topics
- DES 405: Web Design II
- DES 490: Internship

Design Related Set: (choose 6 credit hours from the following) 6
- ART 202: Sculpture I
- ART 205: Painting I
- ART 207: Ceramics I
- ART 302: Sculpture II
- ART 303: Photography II
- ART 305: Painting II
- ART 306: Printmaking II
- ART 307: Ceramics II
- ART 320: Investigation of Line
- ART 321: The Photographic Portrait
- ART 322: Landscape Photography
- ART 323: Documentary Photography
- ART 350: Special Topics in Art
- ART 402: Sculpture III
- ART 403: Photography III
- ART 405: Painting III
- ART 407: Ceramics III
- DES 304: Logo and Branding Design

DES 305: Web Design I
DES 306: Motion Graphics
DES 307: Experience Design
DES 308: Sustainable Design
DES 309: Digital Illustration
DES 310: Social Media & Networking
DES 311: Package Design
DES 350: Special Topics in Design
DES 402: Publication Design
DES 404: Logo & Branding Design II
DES 405: Web Design II
MEDA 301: Special Topics in Mass Communication
MEDA 310: Digital Video Production
MEDA 341: Introduction to Public Relations
MEDA 360: Writing for Multiple Media
MEDA 370: Documentary Films
MEDA 410: Advanced Digital Video Production
MEDA 450: Advanced Television Production
MEDA 460: Emerging Media

DES 420: Senior Portfolio	3
TOTAL MAJOR PROGRAM REQUIREMENTS	79
ADDITIONAL ELECTIVES	6
TOTAL FOR BDes DEGREE	120

Students must earn a "C" or better in 100-level art and design courses before proceeding to the sophomore studio courses.

Students will complete a BDes Candidacy Review at the end of the sophomore year and a BDes Review at the end of their final semester.

Students must earn a "C" or better in all program requirement courses.

Students may not take more than 3 studio courses per semester without permission from department chair.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF FINE ARTS
MAJOR: VISUAL ART
EMPHASIS: 2D STUDIO

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
ART 103: Drawing I	3
ART 104: Drawing II	3
ART 105: Two-Dimensional Composition	3
ART 106: Three-Dimensional Composition	3
ART 111: Art History Survey I	3
ART 112: Art History Survey II	3
ART 202: Sculpture I	3
ART 203: Photography I	3
ART 204: Graphic Design I	3
ART 205: Painting I	3
ART 207: Ceramics I	3
ART 298: Professional Practices	0
ART 299: Professional Practices	0
ART 398: Professional Practices	0
ART 399: Professional Practices	0

ART 498: Professional Practices 0
ART 499: Professional Practices 3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

ART 320: Investigation of Line 3

ART History (Choose 9 credit hours from the following) 9
(only 1 *summer travel course may be included)
- ART 312: Islamic Art and Culture
- ART 314: Asian Art History
- ART 315: History of Photography
- ART 316: History of American Art
- ART 317: Global Contemporary Art
- ART 318: Origins of Modernism
- ART 319: Modernism
- ART 324: Postwar Art
- ART 371: Special Topics in Art History
- *ART 372: Travel Related Art History (may only be used once)

MAJOR PROGRAM EMPHASIS REQUIREMENTS

ART 303: Photography II 3
ART 305: Painting II 3
ART 403: Photography III 3
ART 405: Painting III 3

Art Studio 2D (Choose 6 credit hours from the following) 6
(May not include summer travel courses.)
- ART 303: Photography II
- ART 305: Painting II
- ART 306: Printmaking II
- ART 320: Investigation of Line
- ART 321: The Photographic Portrait
- ART 322: Landscape Photography
- ART 323: Documentary Photography
- ART 350: Special Topics in Art
- ART 403: Photography III
- ART 405: Painting III

Art Studio 3D (Choose 3 credit hours from the following) 3
(May not include summer travel courses.)
- ART 302: Sculpture II
- ART 307: Ceramics II
- ART 320: Investigation of Line
- ART 350: Special Topics in Art
- ART 402: Sculpture III
- ART 407: Ceramics III

Art Studio-Additional (Choose 6 credit hours from the following) 6
(May include 1 *summer travel course)
- ART 302: Sculpture II
- ART 303: Photography II
- ART 305: Painting II
- ART 306: Printmaking II
- ART 307: Ceramics II
- ART 320: Investigation of Line
- ART 321: The Photographic Portrait
- ART 322: Landscape Photography
- ART 323: Documentary Photography
- ART 350: Special Topics in Art

*ART 352: Travel Studio Response (may only be used once) ART 402: Sculpture III ART 403: Photography III ART 405: Painting III ART 406: Printmaking III ART 407: Ceramics III ART 423: Advanced Photography Studio I ART 425: Advanced Painting Studio I ART 433: Advanced Photography Studio II ART 435: Advanced Painting Studio II	
ART 410: Senior Studio	3
ART 410: Senior Studio	3
TOTAL MAJOR PROGRAM REQUIREMENTS	81
ADDITIONAL ELECTIVES	4
TOTAL FOR BFA DEGREE	120

Students must earn a "C" or better in 100-level art courses before proceeding to the sophomore studio courses.

Students will complete a BFA Candidacy Review at the end of the sophomore year and a BFA Review at the end of their final semester.

Students must earn a "C" or better in all program requirement courses.

Students may not take more than 3 studio courses per semester without permission from department chair.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF FINE ARTS
MAJOR: VISUAL ART
EMPHASIS: 3D STUDIO

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS

ART 103: Drawing I	3
ART 104: Drawing II	3
ART 105: Two-Dimensional Composition	3
ART 106: Three-Dimensional Composition	3
ART 111: Art History Survey I	3
ART 112: Art History Survey II	3
ART 202: Sculpture I	3
ART 203: Photography I	3
ART 204: Graphic Design I	3
ART 205: Painting I	3
ART 207: Ceramics I	3
ART 298: Professional Practices	0
ART 299: Professional Practices	0
ART 398: Professional Practices	0
ART 399: Professional Practices	0

ART 498: Professional Practices 0
ART 499: Professional Practices 3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

ART 320: Investigation of Line 3

ART History (Choose three, only 1 *summer travel course may be included) 9
ART 312: Islamic Art and Culture
ART 314: Asian Art History
ART 315: History of Photography
ART 316: History of American Art
ART 317: Global Contemporary Art
ART 318: Origins of Modernism
ART 319: Modernism
ART 324: Postwar Art
ART 371: Special Topics in Art History
*ART 372: Travel Related Art History (may only be used once)

MAJOR PROGRAM EMPHASIS REQUIREMENTS

ART 302: Sculpture II 3
ART 307: Ceramics II 3
ART 402: Sculpture III 3
ART 407: Ceramics III 3

Art Studio 3D (Choose 6 credit hours from the following) 6
(May not include summer travel courses.)
ART 302: Sculpture II
ART 307: Ceramics II
ART 320: Investigation of Line
ART 350: Special Topics in Art
ART 402: Sculpture III
ART 407: Ceramics III

Art Studio 2D (Choose 3 credit hours from the following) 3
(May not include summer travel courses.)
ART 303: Photography II
ART 305: Painting II
ART 320: Investigation of Line
ART 321: The Photographic Portrait
ART 322: Landscape Photography
ART 323: Documentary Photography
ART 350: Special Topics in Art
ART 403:-Photography III
ART 405: Painting III

Art Studio Additional (Choose 6 credit hours from the following) 6
(May include 1 *summer travel course.)
ART 302: Sculpture II
ART 303: Photography II
ART 305: Painting II
ART 306: Printmaking II
ART 307: Ceramics II
ART 320: Investigation of Line
ART 321: The Photographic Portrait
ART 322: Landscape Photography
ART 323: Documentary Photography
ART 350: Special Topics in Art
*ART 352: Travel Studio Response
ART 402: Sculpture III

ART 403: Photography III	
ART 405: Painting III	
ART 406: Printmaking III	
ART 407: Ceramics III	
ART 422: Advanced Sculpture Studio I	
ART 427: Advanced Ceramics Studio I	
ART 432: Advanced Sculpture Studio II	
ART 437: Advanced Ceramics Studio II	
ART 410: Senior Studio	3
ART 410: Senior Studio	3
TOTAL MAJOR PROGRAM REQUIREMENTS	81
ADDITIONAL ELECTIVES	~~4~~
TOTAL FOR BFA DEGREE	120

Students must earn a "C" or better in 100-level art courses before proceeding to the sophomore studio courses.

Students will complete a BFA Candidacy Review at the end of the sophomore year and a BFA Review at the end of their final semester.

Students must earn a "C" or better in all program requirement courses.

Students may not take more than 3 studio courses per semester without permission from department chair.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF ARTS
MAJOR: VISUAL ART

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	6
(6 hours selected from 2 different disciplines)	
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
ART 103: Drawing I	3
ART 104: Drawing II	3
ART 105: Two-Dimensional Composition	3
ART 106: Three-Dimensional Composition	3
ART 111: Art History Survey I	3
ART 112: Art History Survey II	3
ART 202: Sculpture I	3
ART 203: Photography I	3
ART 204: Graphic Design I	3
ART 205: Painting I	3
ART 207: Ceramics I	3
ART 298: Professional Practices	0
ART 299: Professional Practices	0
ART 398: Professional Practices	0
ART 399: Professional Practices	0
ART 498: Professional Practices	0
ART 499: Professional Practices	3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

ART 320: Investigation of Line 3

Art Studio (choose 9 credit hours from the following) 9

ART 302: Sculpture II
ART 303: Photography II
ART 305: Painting II
ART 306: Printmaking II
ART 307: Ceramics II
ART 320: Investigation of Line
ART 321: The Photographic Portrait
ART 322: Landscape Photography
ART 323: Documentary Photography
ART 350: Special Topics in Art
*ART 352: Travel Studio Response
ART 402: Sculpture III
ART 403:-Photography III
ART 405: Painting III
ART 406: Printmaking III
ART 407: Ceramics III

Art Studio, 400-level (choose 3 credit hours from the following) 3

ART 402: Sculpture III
ART 403: Photography III
ART 405: Painting III
ART 406: Printmaking III
ART 407: Ceramics III
ART 422: Advanced Sculpture Studio I
ART 423: Advanced Photography Studio I
ART 425: Advanced Painting Studio I
ART 427: Advanced Ceramics Studio I
ART 432: Advanced Sculpture Studio II
ART 433: Advanced Photography Studio II
ART 435: Advanced Painting Studio II
ART 437: Advanced Ceramics Studio II

ART History (choose 9 credit hours from the following) 9

ART 312: Islamic Art and Culture
ART 314: Asian Art History
ART 315: History of Photography
ART 316: History of American Art
ART 317: Global Contemporary Art
ART 318: Origins of Modernism
ART 319: Modernism
ART 324: Postwar Art
ART 371: Special Topics in Art History
*ART 372: Travel Related Art History

TOTAL MAJOR PROGRAM REQUIREMENTS 60

ADDITIONAL ELECTIVES (6 hours of these electives must be at the 300-400-level) 25

Up to 5 credit hours may need to be 300-level or above.
The remaining hours may be at any level.

TOTAL FOR BS DEGREE 120

Students must earn a "C" or better in 100-level art courses before proceeding to the sophomore studio.

Students must earn a "C" or better in all program requirement courses.

* Summer travel courses may only be used once to meet Art Studio (ART 352) requirements and Art History (ART 372) requirements.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF ARTS**
MAJOR: **VISUAL ART**
CERTIFICATION: **K-12 TEACHER CERTIFICATION**

Credit Hours

UNIVERSITY REQUIREMENT

FALS 101: Fine Arts and Lecture Series (Temporarily suspended) 0

GENERAL EDUCATION REQUIREMENTS
(For approved courses, see General Education: www.lander.edu/gen-ed.)

A. Core Academic Skills (9 hours)
ENGL 101: Writing and Inquiry I 3
ENGL 102: Writing and Inquiry II 3
Mathematics 3

B. Humanities and Fine Arts 6
(6 hours selected from 2 different disciplines)

C. Behavioral and Social Perspectives
(6 hours selected from 2 different disciplines)
PSYC 101: General Psychology 3
Behavioral and Social Perspectives (not Psychology) 3

D. Scientific and Mathematical Reasoning 7
(7 hours selected from 2 different disciplines, 1 lab science required)

E. Founding Documents of the United States 3
HIST 111: United States History to 1877 or
POLS 101: American National Government

F. World Cultures 3

G. LINK 101: Leadership, Involvement, Networking and Knowledge 1

LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.

TOTAL GENERAL EDUCATION REQUIREMENTS 35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS

ART 103: Drawing I 3
ART 104: Drawing II 3
ART 105: Two-Dimensional Composition 3
ART 106: Three-Dimensional Composition 3
ART 111: Art History Survey I 3
ART 112: Art History Survey II 3
ART 202: Sculpture I 3
ART 203: Photography I 3
ART 204: Graphic Design I 3
ART 205: Painting I 3
ART 207: Ceramics I 3
ART 298: Professional Practices 0
ART 299: Professional Practices 0

ART 398: Professional Practices	0
ART 399: Professional Practices	0
ART 498: Professional Practices	0
ART 499: Professional Practices	3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

ARTE 301: Elementary Teaching Practices for Art	3
ARTE 451: Secondary Teaching Practices for Art	3
Art Studio (choose 6 credit hours from the following))	6
(only 1 *summer travel course may be included)	
ART 302: Sculpture II	
ART 303: Photography II	
ART 305: Painting II	
ART 306: Printmaking II	
ART 307: Ceramics II	
ART 320: Investigation of Line	
ART 321: The Photographic Portrait	
ART 322: Landscape Photography	
ART 323: Documentary Photography	
ART 350: Special Topics in Art	
*ART 352: Travel Studio Response	
ART 402: Sculpture III	
ART 403: Photography III	
ART 405: Painting III	
ART 406: Printmaking III	
ART 407: Ceramics III	
Art History (choose 6 credit hours from the following)	6
ART 312: Islamic Art and Culture	
ART 314: Asian Art History	
ART 315: History of Photography	
ART 316: History of American Art	
ART 317: Global Contemporary Art	
ART 318: Origins of Modernism	
ART 319: Modernism	
ART 324: Postwar Art	
ART 371: Topics in Art History	
ART 372: Travel Related Art History	
TOTAL MAJOR PROGRAM REQUIREMENTS	54

TEACHER CERTIFICATION REQUIREMENTS

⁂EDUC 203: Field Experience I	0.5
⁑EDUC 223: General Pedagogy	3
⁑EDUC 240: Child Growth and the Educational Process	3
⁂EDUC 329: Field Experience II	0.5
⁂EDUC 429: Clinical Practice A	1
⁂EDUC 499: Teacher Education Seminar	1
⁂EDUC 461: Clinical Practice B	11
⁑SPED 223: PreK-12 Students with Diverse Learning Needs	3
⁑**Reading and Writing Content Area** (Select one course)	3
EDUC 300: Content Area Reading and Writing or	
EDUC 320: Reading and Writing in the Content Area	
TOTAL TEACHER CERTIFICATION REQUIREMENTS	26

ADDITIONAL ELECTIVES	5
TOTAL FOR BA DEGREE	120

For formal admission to the visual art with teacher certification major, see Student Eligibility on page 70-71.

Students must earn a "C" or better in all program requirement courses

‡A grade of "C" or better is required in these Teacher Education courses.

⁂A grade of "B" or better is required in these Teacher Education courses.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES

The mission of the Department of English and Foreign Languages emerges from Lander's rich liberal arts tradition. Through writing, textual analysis, and intercultural experiences, students develop the language skills and cultural fluency necessary for professional success and personal fulfilment.

The Department of English and Foreign Languages encompasses the disciplines of English, modern languages (French and Spanish), and humanities. Majors are offered in English and Spanish and minors in English, Writing, French, Spanish, and European Studies. Courses in English and foreign languages are concerned with the ideas of civilization as expressed in the language and literature of the world. These courses address several areas of the general education program and are excellent electives.

A grade of "C" or better is required in all courses in the discipline in the major and minor programs.

English Major

Students majoring in English study literature, writing, and language. This study prepares students for careers in education, law, theology, business, public relations, mass media, and public service. Although the British-American heritage is central, African-American, Native American, European, and non-western contributions to this literary tradition are also studied in relevant courses.

English majors begin their program with two courses, an introduction to Careers in English (ENGL 199) and a course that develops Writing Skills for English Majors (ENGL 200). In advanced literature courses (all of which are writing intensive), they study genres, texts in historical contexts, and major authors. In advanced writing courses, they may create fiction, nonfiction, and poetry. In reading/writing seminars, they study one kind of text by both analyzing published works and creating texts of their own. In language and rhetoric courses, including Introduction to Language and Linguistics (ENGL 345, required of all English majors), students learn the history and working structures of language and study the influences of audience and style that have shaped discourse at different times. Students end their program with the Senior Seminar (ENGL 499) in which they reflect on their coursework and consider professional issues.

Students declare this major by filling out an advisor card in the department office. All English majors have members of the English faculty as academic advisors.

The major program requires at least 30 hours of 300-level and 400-level English courses. Three specific courses are required: Careers in English (ENGL 199), Writing Skills for English Majors (ENGL 200), and Senior Seminar (ENGL 499). English courses are distributed among five course types (genre study, rhetoric, major authors, historical contexts, or reading/writing seminars). The Professional Writing emphasis includes a selection of specific English courses (ENGL 251, 275, 276, 350, 353, 354, 364, 373, 413, 450, 490) particularly useful to students who plan careers in professional settings; the emphasis requires that students complete at least three credit hours in courses selected from other disciplines. English majors must demonstrate proficiency at the intermediate level in one foreign language.

Teacher Certification

Students may pursue a major in English with a BA in English with Secondary Certification. They will take the approved sequence of education courses common to all secondary education concentrations at Lander and a course in methods of teaching secondary English (ENGL 451). Students will include Introduction to Language and Linguistics (ENGL 345) and Studies in Rhetoric (ENGL 413) as part of their upper-level English coursework. The Teacher Certification Program meets National Council of Teachers of English (NCTE) and Council for Accreditation of Educator Preparation (CAEP) standards of English Teacher Education programs.

Teacher Certification Program Goals:

Students will complete student teaching, coursework and testing requirements for recommendation for certification in South Carolina consistent with the College of Education's conceptual framework. This framework provides

direction for programs, courses, teaching and teacher candidate assessment. The framework is built on the conceptual model of the "Professional Educator" as one who demonstrates these Learner Outcomes:

The Professional Educator:

1. integrates content knowledge and skills of scholarly inquiry to teach all students;
2. plans, provides, and assesses learning experiences that are supported by research, knowledge of best practice and professional standards;
3. communicates and collaborates with diverse populations (students, educators, families and community members) exhibiting professional behaviors and dispositions; and
4. engages in reflection and professional development to foster student learning and inform instructional decisions.

Student Eligibility

Students enrolled in Secondary (History, English, Chemistry, Mathematics) or PK-12 (PE, Art, Music):

Provisional Status

1. Demonstrate professional behaviors and dispositions* at all times.
2. Maintain a minimum 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
3. Pass **ALL 3** sections of Praxis Core or have exempting SAT/ACT scores on file at Lander University and confirmed by the Department of Teacher Education.
4. Successfully complete other reviews as required by departments in specific content areas.
5. Apply for admission to the professional program in teacher education (see Department of Teacher Education section of catalog for requirements).

Candidate Status

1. Enter candidacy with formal admission to the professional program in teacher education.
2. Demonstrate professional behaviors and dispositions* at all times.
3. Maintain a 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
4. Take the Praxis II prior to the student teaching semester**
5. Take the PLT (Principles of Learning and Teaching) by the end of the student teaching semester **
6. Successfully complete other departmental requirements, reviews, projects, or milestones.

Students not meeting one or more of the requirements will not progress to Candidate Status.

*Lander University has high expectations for all teacher education majors. Teacher-education majors who exhibit unacceptable dispositions may be removed from the program. Procedures for removal are outlined within the Department of Teacher Education handbook.

**Praxis II and PLT must be passed to apply for certification with the South Carolina Department of Education.

English Minor

Students who are pursuing a major in an area other than English may minor in English by taking 18 hours of upper-level English courses (300- or 400-level courses), including at least one course from each of the following groups:

I. Literature: ENGL 301-339, ENGL 401-406, ENGL 414, or HONS 297
II. Language: ENGL 345 or 413
III. Writing: ENGL 417, WRIT 300, WRIT 350, WRIT 353, WRIT 354, WRIT 364, WRIT 373, WRIT 405, WRIT 450, or WRIT 453

Writing Minor

The Writing Minor is open to students from all majors; it is a flexible minor that allows students to choose coursework aligning with their own interests. Students are free to follow a creative writing or a business/technical

writing track; students should consult with their academic advisor in selecting the courses most useful for their major. English majors who minor in Writing must carefully select specific writing courses in addition to the 300- or 400- level English classes used to complete their major requirements. The prerequisite for a Writing Minor is a "C" or better in ENGL 102.

Students minoring in writing must take 18 hours from the following course list; of these courses, at least 3 hours must come from WRIT 251, WRIT 275, or WRIT 276.

ENGL 344 or ENGL 413	WRIT 300
JOUR 201	WRIT 353
MEDA 360	WRIT 354
MEDA 390	WRIT 364 or JOUR 375
WRIT 251	WRIT 373
WRIT 275 or WRIT 276	WRIT 450
WRIT 350	WRIT 490 (3 credits)

Spanish Major

Lander University's Spanish program emphasizes linguistic competence and cultural fluency. By the time they graduate, students who major in Spanish can converse with native speakers on a variety of topics, such as sports, cinema, travel, and even politics and religion. They also have studied and experienced Hispanic culture to a point where they can distinguish similarities and differences between various Hispanic societies.

There is no doubt that the best way to become fluent in a language and a culture is to live in that culture for an extended period of time. Lander Spanish majors are required to study in a Spanish-speaking country and thus gain first-hand experience participating in everyday life in another culture. Lander offers home-stay programs in Argentina, Chile, Peru, Uruguay, and Spain. During a semester abroad, students typically earn up to half of the required credit hours for the Spanish major. In addition to regular coursework, students with an advanced level of Spanish may choose to take part in an internship overseas. The Financial Aid Office at Lander works closely with students to help make this opportunity available.

The Spanish program is particularly suited for a double major; it aims to develop the linguistic, analytical, and cultural skills that can be utilized in any career. The range of occupations in which ability in Spanish will be an advantage is already great, and it continues to grow every day. These are some of the occupations in which knowing another language and culture will put the Lander graduate ahead of the competition:

- Business (advertising, banking, market research, personnel, labor, public relations);
- Education (elementary and secondary teachers, college professors, library staff);
- Health professions (physicians, dentists, therapists, nurses);
- Journalism and Communications (reporters, interpreters, translators, technical writers);
- Social Services (counselors, community service managers, social workers);
- Government (foreign service; the armed forces; federal, state, and local offices and agencies).

A Lander Spanish degree tells prospective employers more than that you can speak Spanish. It tells them that you are familiar with another culture, that you can adapt to a foreign setting, and that you have a sense of adventure. These are characteristics of people that companies are seeking as they compete in the global marketplace.

The Spanish major program requires a minimum of 30 hours of Spanish coursework of which at least 12 hours must be at the 300- and 400-levels. Four other specific courses are required: Grammar and Composition (SPAN 305), Spanish Writing Workshop (SPAN 306), Overseas Study (SPAN 330) and Senior Project (SPAN 499). In addition to coursework, the Spanish major requires a semester of study on an approved study abroad program.

Any student with previous experience in Spanish may take the online placement test, which will recommend the most suitable course level to match the student's proficiency. For more information, please see the link, https://www.lander.edu/academics/academic-success/academic-success-center/testing, or contact the Office of English and Foreign Languages.

Students graduating with a major in Spanish will have acquired the following competencies:

1. to communicate verbally and in writing in Spanish on a variety of topics in different settings, at the ACTFL Advanced level;
2. to understand the relationship between practices, products, and perspectives of Hispanic cultures;

3. to understand the nature of language and how it works; and
4. to understand the nature of culture.

Spanish Minor

A minor in Spanish consists of a minimum of 18 credit hours of coursework in Spanish. At least 6 credit hours must be at the 300- or 400- level. Coursework must include:

SPAN 305: Spanish Advanced Grammar	3
SPAN 306: Spanish Writing Workshop	1

Students pursuing a minor in Spanish are encouraged to participate in an approved study abroad program.

Study abroad is available to all students through the Office of Study Abroad. Program.

French Minor

A minor in French consists of a minimum of 18 credit hours of coursework in French. At least 6 credit hours must be at the 300- or 400-level. Most students study abroad in order to complete the requirements for a French minor.

Study abroad is available to all students through the Office of Study Abroad

European Studies Minor

The European Studies Minor is open to students from all majors and consists of three components: British literature, European foreign literatures and cultures, and European history. Each of the courses listed below will note the interdisciplinary and cultural symbiosis of European literatures, foreign languages, and histories.

Students minoring in European studies will complete 18 credit hours selected from the three areas as indicated below. A grade of "C" or better is required in each course applied to the European studies minor.

British or European literature – Choose 6 credit hours from the following: 6

ENGL 201: Survey of British Literature
ENGL 301: Medievalism
ENGL 303: Renaissance
ENGL 304: Classicism
ENGL 311: Romanticism
ENGL 312: Victorianism
*ENGL 325: Ethnic/Regional Literatures
ENGL 338: Modernism
ENGL 339: Postmodernism
*ENGL 401: Special Topics in Literature
*ENGL 403: Special Topics in Film Studies
*ENGL 406: Studies in Major Authors
*ENGL 414: Studies in Genre
*HUMA 390: Special Topics in World Cultures
PHIL 315: Existentialism
**Course is an appropriate selection when a European culture is its focus*.

European Languages - Choose 6 credit hours from the following: 6

FR 101: French for Global Citizens I
FR 102: French for Global Citizens II
FR 203: French for Global Citizens III
FR 280: Special Topics
FR 301 French Conversation and Composition
FR 330: Oversees Study
FR 340: Oversees Study: Language
FR 355: Oversees Study: Cultural Studies
FR 360: Oversees Study: Literature
FR 380: Special Topics
SPAN 101: Spanish for Global Citizens I
SPAN 102: Spanish for Global Citizens II

SPAN 203: Spanish for Global Citizens III
SPAN 204: Spanish for Global Citizens IV
SPAN 280: Special Topics
SPAN 305: Spanish Advanced Grammar
SPAN 345: Topics in Language
SPAN 355: Topics in Cultural Studies
SPAN 365: Topics in Reading
SPAN 380: Special Topics
SPAN 480: Special Topics

European history or philosophy - Choose 6 credit hours from the following history courses: 6

HIST 326: Ancient World
HIST 327: Early Middle Ages
HIST 328: High Middle Ages
HIST 329: Late Middle Ages
HIST 330: Robin Hood
HIST 355: Late Antiquity
*HIST 441: Special Topics
Course is an appropriate selection when a European history is its focus
POLS 305: European Politics

TOTAL 18

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF ARTS
MAJOR: ENGLISH

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts (6 hours)	
ENGL 114: Introduction to Literature	3
(3 hours selected from a different discipline)	3
C. Behavioral and Social Perspectives	6
(6 hours selected from 2 different disciplines)	
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours at up to 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
ENGL 199: Careers in English	1
ENGL 200: Writing Skills for English Majors	2
ENGL 499: Senior Seminar	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
*101-level Foreign Language	0-3
*102-level Foreign Language	0-3
*200-level Foreign Language	0-3
ENGL 201: Survey of British Literature	3
ENGL 202: Survey of American Literature	3
ENGL 345: Introduction to Language and Linguistics	3

MAJOR PROGRAM ELECTIVES

300-level courses (Three of the courses listed below.) ENGL 301: Medievalism ENGL 303: Renaissance ENGL 304: Classicism ENGL 311: Romanticism ENGL 312: Victorianism ENGL 322: Realism and Naturalism ENGL 325: Ethnic/Regional Literatures ENGL 326: Cultural Studies in American Cinema ENGL 338: Modernism ENGL 339: Postmodernism ENGL 344: Teaching and Applying English Grammar WRIT 300: Narrative Theory WRIT 350: Professional Revising and Editing WRIT 353: Writing Poetry WRIT 354: Writing Fiction WRIT 364: Writing Nonfiction WRIT 373: Writing and Research Methods	9
400-level courses (Three of the courses listed below.) ENGL 401: Special Topics in Literature ENGL 402: Young Adult Literature ENGL 403: Special Topics in Film Studies ENGL 406: Studies in Major Authors ENGL 413: Special Topics in Rhetoric ENGL 414: Studies in Genre ENGL 417: Reading/Writing Seminar ENGL 445: Topics in Language and Linguistics WRIT 450: Technical Writing WRIT 453: Advanced Creative Writing	9
Upper-level English electives (Select three additional courses from the 300- and 400-level courses listed above)	9
TOTAL MAJOR PROGRAM REQUIREMENTS	39-51*****
ADDITIONAL ELECTIVES	34-46*****
TOTAL FOR BA DEGREE	120

*English majors are required to complete foreign language study through the intermediate level (SPAN or FR 203). Students who place above the 203 Intermediate level are exempt from the major requirement for foreign language.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF ARTS
MAJOR: ENGLISH
EMPHASIS: PROFESSIONAL WRITING

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses see General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts (6 hours)	
ENGL 114: Introduction to Literature	3
(3 hours selected from a different discipline)	3
C. Behavioral and Social Perspectives	6
(6 hours selected from 2 different disciplines)	
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours at up to 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
ENGL 199: Careers in English	1
ENGL 200: Writing Skills for English Majors	2
ENGL 499: Senior Seminar	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
*101-level Foreign Language	0-3
*102-level Foreign Language	0-3
WRIT 300: Narrative Theory	3
WRIT 350: Professional Revising and Editing	3

200-level literature course (One of the courses listed below.) 3
ENGL 201: Survey of British Literature
ENGL 202: Survey of American Literature
ENGL 204: Survey of African-American Literature
ENGL 205: Readings in Southern Literature
ENGL 214: World Literature and Experience
ENGL 221: Survey of World Literature
ENGL 241: Readings in Drama, Fiction, or Poetry

Introductory writing course (One of the courses listed below.) 3
JOUR 201: Introduction to Journalism
WRIT 251: Introduction to Creative Writing
WRIT 275: Business Communications
WRIT 276: Public Writing and Research

Advanced writing courses (Three of the courses listed below.) 9
ENGL 417: Reading/Writing Seminar
WRIT 353: Writing Poetry
WRIT 354: Writing Fiction
WRIT 364: Writing Nonfiction
WRIT 373: Writing and Research Methods
WRIT 450: Technical Writing
WRIT 453: Advanced Creative Writing
MEDA 311: The Art of the Podcast
MEDA 360: Writing for Multiple Media
MEDA 390: Scriptwriting

Writing practica (Three hours total from the courses listed below.) 3
ENGL 290: English Practicum
WRIT 405: New Voices
WRIT 490: Internship
MEDA 290: Media Practicum

MAJOR PROGRAM ELECTIVES

Literature courses (One of the courses listed below.) 3
ENGL 301: Medievalism
ENGL 303: Renaissance
ENGL 304: Classicism
ENGL 311: Romanticism
ENGL 312: Victorianism
ENGL 322: Realism and Naturalism
ENGL 325: Ethnic/Regional Literatures
ENGL 326: Cultural Studies in American Cinema
ENGL 338: Modernism
ENGL 339: Postmodernism
ENGL 401: Special Topics in Literature
ENGL 402: Young Adult Literature
ENGL 403: Special Topics in Film Studies
ENGL 406: Studies in Major Authors
ENGL 414: Studies in Genre

Language courses (One of the courses listed below.) 3
ENGL 344: Teaching and Applying English Grammar
ENGL 345: Introduction to Language and Linguistics
ENGL 413: Studies in Rhetoric
ENGL 445: Topics in Language and Linguistics

In addition to the courses listed above, students may choose a 100-level course from a different language than that used to fulfill the Major Program Foreign Language requirement or a 200-level course from the same language:

SPAN 101: Spanish for Global Citizens I
SPAN 102: Spanish for Global Citizens II
SPAN 203: Spanish for Global Citizens III
SPAN 204: Spanish for Global Citizens IV
SPAN 205: Spanish-Speaking World Today
FR 101: French for Global Citizens I
FR 102: French for Global Citizens II
FR 203: French for Global Citizens III

TOTAL MAJOR PROGRAM REQUIREMENTS	36-42*
ADDITIONAL ELECTIVES	43-49*

Up to 3 credit hours may need to be 300-level or above
The remaining hours may be at any level.

Students in the Professional Writing Emphasis are strongly encouraged to choose a minor and/or take electives in the field in which they would like to write professionally.

TOTAL FOR BA DEGREE	120

*English majors are required to complete foreign language study through the intermediate level (SPAN or FR 203). Students who place above the 203 Intermediate level are exempt from the major requirement for foreign language.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF ARTS**
MAJOR: **ENGLISH**
CERTIFICATION: **SECONDARY CERTIFICATION**

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS (For approved courses see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts (6 hours)	
ENGL 114: Introduction to Literature	3
(3 hours selected from a different discipline)	3
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS	
ENGL 199: Careers in English	1
ENGL 200: Writing Skills for English Majors	2
ENGL 499: Senior Seminar	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
101-level Foreign Language	0-3*
102-level Foreign Language	0-3*
200-level Foreign Language	0-3*

ENGL 201: Survey of British Literature	3
ENGL 202: Survey of American Literature	3
ENGL 345: Introduction to Language and Linguistics	3
ENGL 402: Young Adult Literature	3
ENGL 413: Special Topics in Rhetoric	3
ENGL 451: Methods of Teaching Secondary English	3
MAJOR PROGRAM ELECTIVES	
300-Level Courses - choose 6 credit hours from the following	6
ENGL 301: Medievalism	
ENGL 303: Renaissance	
ENGL 304: Classicism	
ENGL 311: Romanticism	
ENGL 312: Victorianism	
ENGL 322: Realism and Naturalism	
ENGL 325: Ethnic/Regional Literatures	
ENGL 326: Cultural Studies in American Cinema	
ENGL 338: Modernism	
ENGL 339: Postmodernism	
ENGL 344: Teaching and Applying English Grammar	
WRIT 300: Narrative Theory	
WRIT 350: Professional Revising and Editing	
WRIT 353: Writing Poetry	
WRIT 354: Writing Fiction	
WRIT 364: Writing Nonfiction	
WRIT 373: Writing and Research Methods	
400-level Courses - choose 6 credit hours from the following	6
ENGL 401: Special Topics in Literature	
ENGL 403: Special Topics in Film Studies	
ENGL 406: Studies in Major Authors	
ENGL 413: Special Topics in Rhetoric	
ENGL 414: Studies in Genre	
ENGL 417: Reading /Writing Seminar	
ENGL 445: Topics in Language and Linguistics	
WRIT 450: Technical Writing	
WRIT 453: Advanced Creative Writing	
TOTAL MAJOR PROGRAM REQUIREMENTS	36-45*
TEACHER CERTIFICATION REQUIREMENTS	
⁂EDUC 203: Field Experience I	0.5
‡EDUC 204: Instructional Technology for Teachers	3
‡EDUC 223: General Pedagogy	3
‡EDUC 250: Adolescent Development and Learning Communities	3
‡EDUC 320: Reading and Writing in the Content Area	3
‡EDUC 321: Foundations of Reading	3
⁂EDUC 329: Field Experience II	0.5
‡SPED 223: PREK-12 Students with Diverse Learning Needs	3
⁂EDUC 429: Clinical Practice A	1
⁂EDUC 461: Clinical Practice B	11
⁂EDUC 499: Teacher Education Seminar	1
TOTAL TEACHER CERTIFICATION REQUIREMENTS	32
ADDITIONAL ELECTIVES	8-17
TOTAL FOR BA DEGREE	120

*English Secondary Certification majors are required to complete foreign language study through the intermediate level (SPAN or FR 203). Students who place above the 203 Intermediate level are exempt from the major requirement for foreign language.
⁑A grade of "C" or better is required in these Teacher Education courses.
⁂A grade of "B" or better is required in these Teacher Education courses.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF ARTS
MAJOR: HUMANITIES

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS (For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
HUMA 250: Foundations in the Humanities	3
HUMA 499: Senior Seminar	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	30
30 hours at the 300-level or higher in the following Humanities disciplines: Art, English, Foreign Languages, History, Media and Communication, Music, Philosophy, Political Science, Religion, and Sociology. 15 hours from a focus discipline and at least 15 hours from other Humanities disciplines.	
TOTAL MAJOR PROGRAM REQUIREMENTS	36
***ADDITIONAL ELECTIVES**	49
TOTAL FOR BA/BS DEGREE	120

* Additional Electives: It is recommended that students devote 18-21 hours to a minor that differs from the focus discipline in the student's major program additional requirements.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF ARTS
MAJOR: SPANISH

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	6
(6 hours selected from 2 different disciplines)	
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. *World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
SPAN 101: Spanish for Global Citizens I	3
SPAN 102: Spanish for Global Citizens II	3
SPAN 203: Spanish for Global Citizens III	3
SPAN 204: Spanish for Global Citizens IV	3
SPAN 305: Spanish Advanced Grammar	3
SPAN 306: Spanish Writing Workshop	1
SPAN 330: Overseas Study	1
SPAN 499: Spanish Capstone	1
ADDITIONAL MAJOR PROGRAM REQUIREMENTS	
SPAN 200-level or above (Complete 6 credit hours from the following)	6
SPAN 205: Hispanic World for Heritage Speakers	
SPAN 215: Spanish for the Professions	
SPAN 240: Overseas Study: Language	
SPAN 280: Special Topics	

SPAN 320: Hispanic Cinema
SPAN 340: Overseas Study: Language
SPAN 345: Topics in Language
SPAN 350: Overseas Study: Cultural Studies
SPAN 355: Topics in Cultural Studies
SPAN 360: Overseas Study: Literature
SPAN 365: Topics in Reading
SPAN 380: Special Topics
SPAN 480: Special Topics
SPAN 490: Internship in Spanish

SPAN 300-level or above (Complete 6 credit hours from the following)	6

SPAN 320: Hispanic Cinema
SPAN 340: Overseas Study: Language
SPAN 345: Topics in Language
SPAN 350: Overseas Study: Cultural Studies
SPAN 355: Topics in Cultural Studies
SPAN 360: Overseas Study: Literature
SPAN 365: Topics in Reading
SPAN 380: Special Topics
SPAN 480: Special Topics
SPAN 490: Internship in Spanish

TOTAL MAJOR PROGRAM REQUIREMENTS	30

If some or all of the Major Program Requirements are met and/or waived, and the credit hours do not add up to at least 30, additional Spanish language courses from the lists above should be taken to complete a major in Spanish.

ADDITIONAL ELECTIVES	55

Up to 18 credit hours may need to be 300-level or above.
The remaining hours may be at any level.

TOTAL FOR BA DEGREE	120

*The World Cultures requirement will be waived for students who spend a semester at an approved study abroad site, but each student must still earn the minimum number of hours required for a degree in Spanish (120).

Spanish majors must spend a minimum of one semester living and studying on an approved overseas residential study program.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

DEPARTMENT OF MEDIA AND COMMUNICATION

The Department of Media and Communication offers two degrees: a B.S. in Media and Communication and a B.S. in Digital Media Production. Students pursuing the B.S. in Media and Communication are required to select a minor and may choose from Film Studies, Media Writing, Public Relations, Speech and Performance, Sports Media, or a minor from another academic area. A second major would also satisfy this requirement.

A minor in Media and Communication is available to students who are not pursuing a major in Media and Communication or Digital Media Production.

The Media and Communication Major

The Bachelor of Science (B.S.) in Media and Communication degree begins with common courses designed to establish a strong foundation in visual, verbal and written communication. Other courses in the core help students develop skills in communication through media and give students insights into professional, theoretical, critical and historical aspects of the industry. Students take a mix of courses related to their interests in radio, TV/film, speech and performance communication, digital media, and public relations, and are encouraged to select minors based on their interests in these areas. Opportunities are available for student participation in performances; in print, online and broadcast journalism; and in radio, video and television productions. All students gain practical professional experience through required internships.

Program Objectives
The Media and Communication program gives students the knowledge and skills needed to become effective professional communicators.

The Media and Communication graduates ~~is~~ are expected to be able to achieve the following objectives:

1. to communicate effectively in person;
2. to communicate effectively through multiple media;
3. to analyze and critically evaluate messages produced in different media;
4. to identify and discuss historical, ethical and legal issues related to media and communication; and
5. to demonstrate potential to work as a professional in the field of media and communication.

The Digital Media Production Major

The Bachelor of Science (B.S.) in Digital Media Production degree program is designed to prepare students for careers in digital media content production and distribution. The program provides students with the theoretical and technical competence to create meaningful and effective audio-visual content, and offers practical, hands-on experience needed to be successful content creators in an ever-changing digital industry. The program also exposes students to the process of creative ideation and discovery, as well as production asset management and organization. Graduates will be prepared to start personal ventures, work for existing media outlets/companies, or work within corporate media departments. The Digital Media Production degree program aligns with existing South Carolina Career and Technical Education (CTE) Radio and TV programs.

Program Objectives
Gradates of the Media and Communication program are expected to be able to achieve the following objectives:

1. to communicate effectively in written communication and audio/video presentation;
2. to understand the fundamental concepts of teamwork and demonstrate the ability to work in teams;
3. to demonstrate a clear perception of media ethics;
4. to demonstrate industry standard knowledge in video, audio, media technology systems, basic production, broadcast design fundamentals, audience presentation, and media production software; and
5. to demonstrate problem solving skills.

Minors in Media and Communication

Students from any major may select minors in Film Studies, Media Writing, Public Relations, Speech and Performance, and Sports Media. Students interested in any of these minors should consult with Media and Communication faculty as early in their academic careers as possible. A minor Media and Communication is open to students who are not pursuing a major in Media and Communication or Digital Media Production.

Film Studies Minor

Students must (1) work carefully with their advisors in choosing courses of study and (2) complete the 18-credit hours of study with a "C" or better in each course. Some upper-level courses may require instructor permission. Prerequisites include a "C" or better in ENGL 101 and ENGL 102. This minor is open to students from any major.

The minor requires 18 hours of coursework as follows:

MEDA 101: Understanding Media	3
HUMA 230: Studies in Humanities: History of the Cinema	3
HUMA 285: Introduction to Film Studies	3
MEDA 390: Scriptwriting	3
Six hours from the following:	6
ENGL 326: Cultural Studies in American Cinema	
ENGL 403: Special Topics in Film Studies	
MEDA 290: Practicum: Short Film Production	
MEDA 370: Documentary Films	
MEDA 371: International Films	
MEDA 372: Great Film Directors	
SPAN 320: Hispanic Cinema	

Note: ENGL and MEDA topics classes that are film related may be petitioned to substitute for one of the three-hour elective courses.

Media and Communication Minor

This minor is not open to Media and Communication majors. It requires a total of 18 hours of coursework as follows:

JOUR 201: Introduction to Journalism	3
MEDA 101: Understanding Media	3
MEDA 202: Radio Production	3
MEDA 310: Digital Video Production or MEDA 340: Television News Reporting	3
Six hours from the following:	6
JOUR 375: Feature and Magazine Writing	
MEDA 204: Communications Design	
MEDA 219: Communications Photography	
MEDA 290: Media Practicum or MEDA 490: Student Media Internship	
MEDA 301: Special Topics in Mass Communication	
MEDA 341: Introduction to Public Relations	
MEDA 351: Social Media	
MEDA 360: Writing for Multiple Media	
MEDA 410: Advanced Digital Video Production	
MEDA 450: Advanced Television Production	

Media Writing Minor

This minor requires 18 hours of coursework as follows (MEDA 101 is a prerequisite for many of the courses in this minor.):

JOUR 201: Introduction to Journalism	3
MEDA 261: Broadcast Writing	3
MEDA 360: Writing for Multiple Media	3

MEDA 490: Student Media Internship (Forum)	3
Six hours from the following	6
JOUR 302: Publication Design	
JOUR 375: Feature and Magazine Writing	
MEDA 342: PR Communications (prerequisite MEDA 341)	
MEDA 390: Scriptwriting	

Public Relations Minor

This minor requires 18 hours of coursework as follows (MEDA 101 is a prerequisite for many of the courses in this minor.):

JOUR 201: Introduction to Journalism	3
MEDA 341: Introduction to Public Relations	3
MEDA 342: PR Communications	3
or MEDA 351: Social Media	
MEDA 343: PR Cases and Campaigns	3
MEDA 421: Seminar in Media Law and Ethics	3
MEDA 490: Student Media Internship	3
or MEDA 491: Internship in Media and Communication	

Speech and Performance Minor

This minor requires 18 hours of coursework as follows:

MEDA 390: Scriptwriting	3
SPCH 101: Speech Fundamentals	3
SPCH 201: Voice and Diction	3
SPCH 302: Voice Acting	3
THTR 201: Theatre Appreciation	3
Three hours from the following:	3
THTR 200: Acting 1	
THTR 301: Special Topics in Theatre and Performance	
300-level or above speech or theatre course	

Sports Media Minor

This minor requires 18 hours of coursework as follows (MEDA 101 is a prerequisite for many of the courses in this minor.):

JOUR 201: Introduction to Journalism	3
or MEDA 360: Writing for Multiple Media	
MEDA 200: Media Skills	3
MEDA 215: Sports Media and Society	3
MEDA 315: Multimedia Sports Journalism	3
MEDA 341: Introduction to Public Relations	3
or MEDA 351: Introduction to Social Media	
Three hours from the following:	3
HIST 344: Sports in American History	
MEDA 202: Radio Production	
MEDA 219: Communications Photography	
MEDA 261: Broadcast Writing	
MEDA 310: Digital Video Production	
MEDA 316: Topics in Sports Media	
MEDA 490: Student Media Internship, sports media	
MEDA 491: Internship in Media and Communication, sports media	
SOCI 356: Sociology of Sports and Leisure	
SPTM 302: Principles of Sports Marketing	

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: DIGITAL MEDIA PRODUCTION

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	
ART 101: Introduction to Art	3
SPCH 101: Speech Fundamentals	3
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours	
MAJOR PROGRAM LOWER-LEVEL REQUIREMENTS	
MEDA 101: Understanding Media	3
MEDA 110: Intro to Digital Media Production	3
MEDA 200: Media Skills	3
Writing Requirement:	3
MEDA 261: Broadcast Writing or	
MEDA 390: Scriptwriting or	
JOUR 201: Introduction to Journalism	
MEDA 201: Foundations of Producing and Directing	3
MEDA 204: Communication Design	3
MEDA 219: Communication Photography	3
MEDA 202: Radio Production or	3
MEDA 209: Audio Production 1	

MAJOR PROGRAM UPPER-LEVEL REQUIREMENTS

MEDA 304: Broadcast Graphics	3
MEDA 310: Digital Video Production 1	3
MEDA 312: Advanced Audio Production	3
MEDA 350: Web Distribution	3
MEDA 410: Advanced Video Production	3
MEDA 421: Media Law and Ethics	3
MEDA 460: Emerging Media	3
MEDA 490: Student Media Internship or MEDA: 491 Internship in Media and Communication	3
MEDA 498: Digital Media Production Exit Project	2
MEDA 499: Capstone	1

MAJOR PROGRAM ELECTIVES

Students must take at least 9 hours of electives from 300- or 400- level related courses. Study abroad courses with a production related focus can be substituted with the approval of the Dept. Chair. 12

ENGL 326 Cultural Studies in American Cinema
ENGL 403 Special Topics in Film Studies
MEDA 240 TV News Reporting
MEDA 301 Special Topics in Mass Communication
MEDA 315 Multimedia Sports Journalism
MEDA 342 Digital Cinematography
MEDA 370 Documentary Films
MEDA 371 International Films
MEDA 372 Great Film Directors
MEDA 401 Special Topics in Digital Media
MEDA 402 Short Film Production
MEDA 403 Advanced Broadcast Graphics
MEDA 450 TV Studio Production
*MEDA 490 or 491 Internship
SPAN 327 Hispanic Cinema in Translation
SPCH 302 Voice Acting
THTR 308 On-Camera Acting Techniques

*An additional internship can be used as an elective only after the Major Requirements have been met.

TOTAL MAJOR PROGRAM REQUIREMENTS	63
ADDITIONAL ELECTIVES	22
TOTAL FOR BS DEGREE	120

Students must earn a "C" or better in all program requirement courses and in ENGL 101 and ENGL 102.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: MEDIA AND COMMUNICATION

Credit Hours

UNIVERSITY REQUIREMENT

FALS 101: Fine Arts and Lecture Series (Temporarily suspended) 0

GENERAL EDUCATION REQUIREMENTS
(For approved courses, see General Education: www.lander.edu/gen-ed.)

A. Core Academic Skills (9 hours)
ENGL 101: Writing and Inquiry I 3
ENGL 102: Writing and Inquiry II 3
Mathematics 3

B. Humanities and Fine Arts 6
(6 hours selected from 2 different disciplines)

C. Behavioral and Social Perspectives 6
(6 hours selected from 2 different disciplines)

D. Scientific and Mathematical Reasoning 7
(7 hours selected from 2 different disciplines, 1 lab science required)

E. Founding Documents of the United States 3
HIST 111: United States History to 1877 or
POLS 101: American National Government

F. World Cultures 3

G. LINK 101: Leadership, Involvement, Networking and Knowledge 1

LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.

TOTAL GENERAL EDUCATION REQUIREMENTS 35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours

MAJOR PROGRAM CORE REQUIREMENTS

JOUR 201: Introduction to Journalism 3
MEDA 101: Understanding Media 3
MEDA 200: Media Skills 3
MEDA 202: Radio Production 3
MEDA 310: Digital Video Production 3
MEDA 341: Introduction to Public Relations 3
MEDA 421: Seminar in Media Law and Ethics 3
MEDA 460: Emerging Media 3
MEDA 499: Senior Capstone 1
SPCH 101: Speech Fundamentals 3
SPCH 201: Voice and Diction 3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

Writing (Choose 3 hours from the following) 3
JOUR 375: Feature and Magazine Writing

MEDA 360: Writing for Multiple Media MEDA 261: Broadcast Writing MEDA 390: Scriptwriting	
Visual Communication (Choose 3 hours from the following) JOUR 302: Publication Design JOUR 203: Introduction to Web Design MEDA 204: Communications Design MEDA 219: Communications Photography	3
Internship or Practicum (Choose 3 hours from the following) MEDA 290: Media Practicum MEDA 490: Student Media Internship MEDA 491: Internship in Media and Communication THTR 490: Theatre Internship	3
TOTAL MAJOR PROGRAM REQUIREMENTS	40
***ADDITIONAL ELECTIVES** (Includes hours for required minor)	45
At least 14 credit hours may need to be 300-level or above The remaining hours may be at any level	
TOTAL FOR BS DEGREE	120

Students must earn a "C" or better in all program requirement courses and in ENGL 101 and ENGL 102.

*The Media and Communication major requires a minor. Students are encouraged to choose from five minors within the department (Film Studies, Media Writing, Public Relations, Speech and Performance, or Sports Media). Other minors or a second major require justification and approval by the faculty advisor and department chair.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

DEPARTMENT OF MUSIC

Music Major

The study of music affords the student opportunities not only to develop self-discipline, creativity, critical thinking, and an appreciation for human achievement, but also yields life-long intellectual and personal benefits. Students majoring in music are expected to gain knowledge and skill in the areas of performance, aural skills and analysis, composition and improvisation, history and repertory, and technology. Lander's music curriculum focuses on heightening the student's musical awareness and sensitivity to the broadest possible spectrum of music in preparation for possible graduate study and the pursuit of a career in music.

Goals

Fully accredited by the National Association of Schools of Music, the Department of Music offers a comprehensive program of music study designed to promote musical literacy and artistry.

Graduates in music should:

1. demonstrate proficiency in performing music and an appreciation of the technique and artistry essential to performance at a professional level;
2. demonstrate a working knowledge of the theoretical concepts associated with the creation of music; and
3. demonstrate a working knowledge of the historical contexts associated with the creation of music.

Teacher Certification Program Goals:

The program of studies in music with teacher certification is accredited by both the National Association of Schools of Music and the Council for the Accreditation of Educator Preparation (CAEP). Students graduating from Lander University with recommendation for teacher certification complete student teaching, coursework and testing requirements for recommendation for certification in South Carolina consistent with the College of Education's conceptual framework. This framework provides direction for programs, courses, teaching and teacher candidate assessment. The framework is built on the conceptual model of the "Professional Educator" as one who demonstrates these Learner Outcomes:

The Professional Educator

1. integrates content knowledge and skills of scholarly inquiry to teach all students;
2. plans, provides and assesses learning experiences that are supported by research, knowledge of best practice and professional standards;
3. communicates and collaborates with diverse populations (students, educators, families and community members) exhibiting professional behaviors and dispositions; and
4. engages in reflection and professional development to foster student learning and inform instructional decisions.

Student Eligibility

Students enrolled in Secondary (History, English, Chemistry, Mathematics) or PK-12 (PE, Art, Music):

Provisional Status

1. Demonstrate professional behaviors and dispositions* at all times.
2. Maintain a minimum 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
3. Pass **ALL 3** sections of Praxis Core or have exempting SAT/ACT scores on file at Lander University and confirmed by the Department of Teacher Education.
4. Successfully complete other reviews as required by departments in specific content areas.
5. Apply for admission to the professional program in teacher education (see Department of Teacher Education section of catalog for requirements).

Candidate Status

1. Enter candidacy with formal admission to the professional program in teacher education.
2. Demonstrate professional behaviors and dispositions* at all times.
3. Maintain a 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
4. Take the Praxis II prior to the student teaching semester**
5. Take the PLT (Principles of Learning and Teaching) by the end of the student teaching semester **

Successfully complete other departmental requirements, reviews, projects, or milestones.

Students not meeting one or more of the requirements will not progress to Candidate Status.

*Lander University has high expectations for all teacher education majors. Teacher education majors who exhibit unacceptable dispositions may be removed from the program. Procedures for removal are outlined within the Department of Teacher Education handbook.

**Praxis II and PLT must be passed to apply for certification with the South Carolina Department of Education.

Career Opportunities in Music

Lander music students gain valuable experience assisting with on-campus activities presented by National Association for Music Education, South Carolina Music Teachers Association, Lander Piano Festival, Lander Choral Festival, and South Carolina Band Clinics. Possible career paths for students who have earned a degree in music include, but are not limited to

- **Educator**
  Collegiate educator/administrator
  Private studio management
  Primary or secondary education and administration
- **Performer**
  Accompanying/collaborative performance
  Conducting
  Military band/chorus
  Opera and music theatre
  Orchestral or band performer
- **Music Business**
  Advertising and public relations
  Arranging
  Composition: radio, TV, movie, commercials
  Computer musician
  Concert manager/artist representative
  Instrumental manufacturer representative
  Instrument repair technician
  Music administration/arts commissions
  Music and copyright law
  Production and stage management

Music Degree Options

Bachelor of Science in Music

Conceived within the tradition of a liberal arts education, the Bachelor of Science in Music degree combines a strong music component with a broad menu of elective courses, allowing the student to tailor the program to individual needs and career goals. The program is divided into three components: 1) general education requirements, 2) core music requirements, and 3) electives. Students may choose electives from any combination of music and non-music courses. Elective hours may be used to satisfy requirements for a minor in a non-music field.

Bachelor of Science in Music, K-12 Teacher Certification

The Bachelor of Science in Music, K-12 teacher certification curriculum prepares students for the organization and administration of school music programs in grades K-12. The degree is divided into three components: 1) general education requirements, 2) core music requirements, and 3) teacher certification requirements. Music majors pursuing teacher certification will be assigned co-advisors from the Department of Music and from the College of Education. Students are encouraged to become familiar with "Guidelines for All Teacher Education Programs." Upon completion of the degree, the student will be certified in instrumental or choral music by the South Carolina State Department of Education. Students wishing certification in both areas will pursue a suitable course of study approved by the music faculty.

Applied Music

Applied music is available in:

Baritone Horn, Euphonium	Percussion
Bassoon	Piano
Clarinet	Saxophone
Flute	Strings
French Horn	Trombone
Guitar, Bass Guitar	Trumpet
Oboe	Tuba
Organ	Voice

Applied music fees: (10-12 hours of private instruction) Students majoring or minoring in music and taking applied music will be charged an additional $200.00 per semester for one hour applied lessons (MUSK, MUSN, MUSV: 150, 151, 250, 251, 350, 351, 450, 451).

Students majoring or minoring in music and taking applied music will be charged an additional $100.00 per semester for 30-minute applied lessons (MUSK, MUSN, MUSV: 152, 153, 154, 155, 252, 253, 254, 255, 352, 353, 354, 355, 452, 453, 454, 455).

All applied students pursuing the Bachelor of Science in Music degree must complete eight semesters of private study on the major instrument. They must also demonstrate keyboard proficiency by enrolling for two semesters of piano class or by passing the Piano Proficiency Examination.

All applied students pursuing the Bachelor of Science in Music, K-12 Teacher Certification degree must adhere to the following sequence of private and class instruction.

Choral Emphasis

1. Seven credit hours of private instruction.
2. A total of six credit hours of class and/or private piano instruction. Students may satisfy all or part of the requirement by passing the Piano Proficiency Examination.

Instrumental Emphasis

1. Seven credit hours of private instruction on major instrument.
2. Three credit hours of secondary wind/percussion/string private instruction with advisor's approval.
3. One credit hour of voice class.
4. A total of two credit hours of piano class. Students may satisfy all or part of the keyboard requirement by passing the Piano Proficiency Examination.

Keyboard Emphasis

1. Seven credit hours of private instruction in piano or organ.
2. A total of six credit hours of class and/or private voice instruction. Students may satisfy all or part of the requirement by vocal audition.

Performance

The Department of Music provides many opportunities for students to participate in solo and chamber performances. Monthly departmental recitals are scheduled throughout the academic year. Students may also be selected by competitive audition for the annual Honors Recital. Advanced students may, with permission of the applied instructor, perform a solo or chamber recital during the junior or senior year for which credit may be received by

enrolling in MUSI 390 Recital or MUSI 389 Performance Project. Specific regulations concerning recitals may be obtained from the applied instructor.

Students pursuing the Bachelor of Science in Music degree participate in the appropriate principal ensemble every semester. Customarily the student must accumulate eight hours of ensemble credit. Because the program prepares students for a broad range of career options, a music faculty committee will consider requests for alternative ways to satisfy the ensemble requirement.

Students pursuing the Bachelor of Science in Music, K-12 Teacher Certification degree participate in the appropriate principal ensemble every semester except when student teaching. Customarily, teacher certification students must take a minimum of seven hours of ensemble credit.

Principal performing ensembles include:

- University Singers (required for choral emphasis)
- Lander Wind Ensemble or Chamber Strings (required for instrumental emphasis)

Additional music performance opportunities in which music majors are expected to participate include:

- Old Main Singers (by audition)
- Lander Jazz Ensemble
- Opera Workshop
- Chamber Winds
- Woodwind Ensemble
- Brass Ensemble
- Piano Ensemble
- Percussion Ensemble
- Guitar Ensemble
- String Ensemble

Auditions: Studio, Scholarship, Ensemble

All students interested in being admitted to the music degree program are required to audition in order to demonstrate their level of performance and familiarity with music fundamentals. Auditions are required of all students who wish to be considered for music scholarships. Information from auditions is used by music faculty advisors to plan each student's course of study, to make recommendations for scholarships and other forms of financial aid, and to make decisions regarding performance opportunities and participation in choral and instrumental ensembles.

Audition information, dates, and application forms may be obtained from the Department of Music, Lander University, Greenwood, South Carolina 29649-2099, 864-388-8323, or on the web at:
https://www.lander.edu/academics/colleges-schools/college-arts-humanities/music/index.html

Part-Time Students

Music majors enrolled for less than 12 credit hours are classified as part-time students and will be charged tuition according to Lander University's fee schedule for part-time students. Each part-time student will develop with a music faculty advisor a long-range plan of study to include a projected date of completion of studies. Part-time music majors are expected to demonstrate steady progress toward the completion of all general education, core music, and elective/teacher certification requirements.

Music History Minor

The music history minor offers a series of music history courses that will broaden the musical perspectives of students who may not have a background in music. Courses are designed to chronicle the development of European classical music, non-Western music, and American popular musical styles such as jazz. Open to students who are not pursuing a major in music, the minor requires a minimum of 18 credit hours in music history:

MUSI 101 or MUSI 201	3
MUSI 333	3
MUSI 345	3
MUSI 346	3

MUSI 377	3
MUSI 378	3
TOTAL	18

Music Minor

The music minor is intended to serve students of other majors who wish to study music for personal enrichment. The minor requires a minimum of 18 credit hours in music:

MUSI 017 (two semesters)	0
MUSI 111-112, 113-114	8
MUSI 201	3
Applied Music (two semesters)	2
Ensemble	2
Electives in Music	3
TOTAL	18

Electives may be selected from courses in music theory, music history, applied music, ensemble, methods, and conducting. Students interested in the music minor should contact the chair of the Department of Music to schedule an audition.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: MUSIC
EMPHASIS: INSTRUMENTAL

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lectureship Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	
**MUSI 201: Introduction to Music History	3
Humanities and Fine Arts elective	3
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
World History (choose 3 credit hours from the following)	3
HIST 101: Western Civilization to 1600	
HIST 102: Western Civilization 1600-1918	
HIST 121: World Civilizations to 1600	
HIST 122: World Civilizations 1600-present	
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	
*MUSI 333: Music of the World	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0

MUSI 017: Recitals and Concerts	0
MUSI 111: First-Year Theory	3
MUSI 112: First Year Theory	3
MUSI 113: First-Year Theory Applications	1
MUSI 114: First-Year Theory Applications	1
MUSI 211: Second-Year Theory	3
MUSI 212: Second-Year Theory	3
MUSI 213: Second-Year Theory Applications	1
MUSI 214: Second-Year Theory Applications	1
MUSI 345: Music of Antiquity, Middle Ages, Renaissance, and Baroque	3
MUSI 346: Music of the Classic, 19th, 20th, and 21st Centuries	3
MUSI 401: Form and Analysis	2
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
SPCH 101: Speech Fundamentals	3
MUSI 499: Music Issues	1
Primary Applied Instrument	8
MUSN 150: Applied Instrument	
MUSN 151: Applied Instrument	
MUSN 250: Applied Instrument	
MUSN 251: Applied Instrument	
MUSN 350: Applied Instrument	
MUSN 351: Applied Instrument	
MUSN 450: Applied Instrument	
MUSN 451: Applied Instrument	
****Secondary Piano**	2
MUSI 123: Piano Class I	
MUSI 124: Piano Class II	
or	
MUSK 154: Applied Piano	
MUSK 155: Applied Piano	
Ensemble (assigned by music faculty)	8
MUSI 143: Chamber Strings	
MUSI 145: Jazz Ensemble	
MUSI 149: Wind Ensemble	
TOTAL MAJOR PROGRAM REQUIREMENTS	46
ADDITIONAL ELECTIVES	39
TOTAL FOR BS DEGREE	120

Students must earn a "C" or better in all major program requirement courses.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

*Music majors must earn a "C" or better in MUSI 201 and MUSI 333

**Students may satisfy this two-hour piano requirement by passing the Piano Proficiency Exam or by completing MUSI 123-124 or MUSK 154-155. If a student passes the Piano Proficiency Exam, two additional hours of a major elective must be earned in order to satisfy the minimum number of credit hours for a degree in music (120).

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: MUSIC
EMPHASIS: KEYBOARD

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lectureship Series (Temporarily suspended)	**0**
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	
*MUSI 201: Introduction to Music History	3
Humanities and Fine Arts elective	3
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
World History (choose 3 credit hours from the following)	3
HIST 101: Western Civilization to 1600	
HIST 102: Western Civilization 1600-1918	
HIST 121: World Civilizations to 1600	
HIST 122: World Civilizations 1600-present	
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	
*MUSI 333: Music of the World	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0

MUSI 111: First-Year Theory	3
MUSI 112: First Year Theory	3
MUSI 113: First-Year Theory Applications	1
MUSI 114: First-Year Theory Applications	1
MUSI 211: Second-Year Theory	3
MUSI 212: Second-Year Theory	3
MUSI 213: Second-Year Theory Applications	1
MUSI 214: Second-Year Theory Applications	1
MUSI 345: Music of Antiquity, Middle Ages, Renaissance, and Baroque	3
MUSI 346: Music of the Classic, 19th, 20th, and 21st Centuries	3
MUSI 401: Form and Analysis	2
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
SPCH 101: Fundamentals of Speech	3
MUSI 499: Music Issues	1
Primary Applied Keyboard	8
MUSK 150: Applied Piano or Organ	
MUSK 151: Applied Piano or Organ	
MUSK 250: Applied Piano or Organ	
MUSK 251: Applied Piano or Organ	
MUSK 350: Applied Piano or Organ	
MUSK 351: Applied Piano or Organ	
MUSK 450: Applied Piano or Organ	
MUSK 451: Applied Piano or Organ	
Ensemble	8
MUSI 141: University Singers	
TOTAL MAJOR PROGRAM REQUIREMENTS	44
ADDITIONAL ELECTIVES	41
TOTAL FOR BS DEGREE	120

Students must earn a "C" or better in all major program requirement courses.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

*Music majors must earn a "C" or better in MUSI 201 and MUSI 333.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF SCIENCE**
MAJOR: **MUSIC**
EMPHASIS: **VOCAL**

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lectureship Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	
*MUSI 201: Introduction to Music History	3
Humanities and Fine Arts elective	3
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
World History (Choose 3 credit hours from the following)	3
HIST 101: Western Civilization to 1600	
HIST 102: Western Civilization 1600-1918	
HIST 121: World Civilizations to 1600	
HIST 122: World Civilizations 1600-present	
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	
*MUSI 333: Music of the World	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS	
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0

MUSI 111: First-Year Theory	3
MUSI 112: First Year Theory	3
MUSI 113: First-Year Theory Applications	1
MUSI 114: First-Year Theory Applications	1
MUSI 211: Second-Year Theory	3
MUSI 212: Second-Year Theory	3
MUSI 213: Second-Year Theory Applications	1
MUSI 214: Second-Year Theory Applications	1
MUSI 345: Music of Antiquity, Middle Ages, Renaissance, and Baroque	3
MUSI 346: Music of the Classic, 19th, 20th, and 21st Centuries	3
MUSI 401: Form and Analysis	2
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
SPCH 101: Speech Fundamentals	3
MUSI 499: Music Issues	1
Primary Applied Voice	8
MUSV 150 100-level Applied Voice	
MUSV 151 100-level Applied Voice	
MUSV 250 200-level Applied Voice	
MUSV 251 200-level Applied Voice	
MUSV 350 300-level Applied Voice	
MUSV 351 300-level Applied Voice	
MUSV 450 400-level Applied Voice	
MUSV 451 400-level Applied Voice	
****Secondary Piano**	2
MUSI 123: Piano Class I	
MUSI 124: Piano Class II	
or	
MUSK 154: Applied Piano	
MUSK 155: Applied Piano	
Ensemble	
MUSI 141: University Singers	8
TOTAL MAJOR PROGRAM REQUIREMENTS	46
ADDITIONAL ELECTIVES	39
TOTAL FOR BS DEGREE	120

Students must earn a "C" or better in all major program requirement courses.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

* Music majors must earn a "C" or better in MUSI 201 and MUSI 333

**Students may satisfy this two-hour piano requirement by passing the Piano Proficiency Exam or by completing MUSI 123-124 or MUSK 154-155. If a student passes the Piano Proficiency Exam, two additional hours of a major elective must be earned in order to satisfy the minimum number of credit hours for a degree in music (120).

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF SCIENCE**
MAJOR: **MUSIC**
CERTIFICATION: **K-12 TEACHER CERTIFICATION**
EMPHASIS: **CHORAL**

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lectureship Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	
**MUSI 201: Introduction to Music History	3
Humanities and Fine Arts elective	3
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
PSYC 101: General Psychology	3
World History (select one)	3
HIST 101: Western Civilization to 1600	
HIST 102: Western Civilization 1600-1918	
HIST 121: World Civilization to 1600	
HIST 122: World Civilization 1600-present	
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	
*MUSI 333: Music of the World	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours	
MAJOR PROGRAM CORE REQUIREMENTS	
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0

MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 111: First-Year Theory	3
MUSI 112: First Year Theory	3
MUSI 113: First-Year Theory Applications	1
MUSI 114: First-Year Theory Applications	1
MUSI 211: Second-Year Theory	3
MUSI 212: Second-Year Theory	3
MUSI 213: Second-Year Theory Applications	1
MUSI 214: Second-Year Theory Applications	1
MUSI 345: Music of Antiquity, Middle Ages, Renaissance, and Baroque	3
MUSI 346: Music of the Classic, 19th, 20th, and 21st Centuries	3
MUSI 401: Form and Analysis	2

MAJOR PROGRAM ADDITIONAL MUSIC REQUIREMENTS

MUSI 131: Strings and Woodwinds	1
MUSI 132: Brass and Percussion	1
MUSI 222: Materials and Methods K-8	2
MUSI 303: Conducting	2
MUSI 304: Conducting	2
MUSI 311: Orchestration	2
MUSI 315: Methods of Teaching Choral Music	3
MUSI 389: Performance Project	0
Primary Applied Voice	7
MUSV 150: 100-level Applied Voice	
MUSV 151: 100-level Applied Voice	
MUSV 250: 200-level Applied Voice	
MUSV 251: 200-level Applied Voice	
MUSV 350: 300-level Applied Voice	
MUSV 351: 300-level Applied Voice	
MUSV 450: 400-level Applied Voice	
****Secondary Piano**	6
MUSI 123: Piano Class I	
MUSI 124: Piano Class II	
MUSI 223: Piano Class III	
MUSI 224: Piano Class IV	
or	
MUSK 154: 100-level Applied Piano	
MUSK 155: 100-level Applied Piano	
MUSK 254: 200-level Applied Piano	
MUSK 255: 200-level Applied Piano	
and	
MUSK 354: 300-level Applied Piano	
MUSK 355: 300-level Applied Piano	
Ensemble	7
MUSI 141: University Singers	
TOTAL MAJOR PROGRAM REQUIREMENTS	57

TEACHER CERTIFICATION REQUIREMENTS

⁂EDUC 203: Field Experience I	0.5
⁑EDUC 223: General Pedagogy	3
⁑EDUC 240: Child Growth and the Educational Process	3
⁑Reading and Writing Content Area (choose one)	3
EDUC 300: Content Area Reading and Writing	

EDUC 320: Reading and Writing in the Content Area	
⁂EDUC 329: Field Experience II	0.5
⁂EDUC 429: Clinical Practice A	1
⁂EDUC 461: Clinical Practice B	11
‡EDUC 499: Teacher Education Seminar	1
‡SPED 223: PreK-12 Students with Diverse Learning Needs	3
TOTAL TEACHER CERTIFICATION REQUIREMENTS	26
ADDITIONAL ELECTIVES	2
TOTAL FOR BS DEGREE	120

Students must earn a "C" or better in all major program requirement courses.

* Music majors must earn a "C" or better in MUSI 201 and MUSI 333.

** Students may satisfy this two-hour piano requirement by passing the Piano Proficiency Exam or by completing MUSI 123-124 or MUSK 154-155. If a student passes the Piano Proficiency Exam, two additional hours of a major elective must be earned in order to satisfy the minimum number of credit hours for a degree in music with teacher certification (121).

⁂A grade of "B" or better is required in these Teacher Education courses.

‡A grade of "C" or better is required in these Teacher Education courses.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF SCIENCE**
MAJOR: **MUSIC**
CERTIFICATION: **K-12 TEACHER CERTIFICATION**
EMPHASIS: **INSTRUMENTAL**

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lectureship Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	
**MUSI 201: Introduction to Music History	3
Humanities and Fine Arts elective	3
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
PSYC 101: General Psychology	3
World History (choose one)	3
HIST 101: Western Civilization to 1600	
HIST 102: Western Civilization 1600-1918	
HIST 121: World Civilization to 1600	
HIST 122: World Civilization 1600-present	
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	
*MUSI 333: Music of the World	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS

MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0

MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 111: First-Year Theory	3
MUSI 112: First Year Theory	3
MUSI 113: First-Year Theory Applications	1
MUSI 114: First-Year Theory Applications	1
MUSI 211: Second-Year Theory	3
MUSI 212: Second-Year Theory	3
MUSI 213: Second-Year Theory Applications	1
MUSI 214: Second-Year Theory Applications	1
MUSI 345: Music of Antiquity, Middle Ages, Renaissance, and Baroque	3
MUSI 346: Music of the Classic, 19th, 20th, and 21st Centuries	3
MUSI 401: Form and Analysis	2

MAJOR PROGRAM ADDITIONAL MUSIC REQUIREMENTS

MUSI 131: Strings and Woodwinds	1
MUSI 132: Brass and Percussion	1
MUSI 222: Materials and Methods K-8	2
MUSI 303: Conducting	2
MUSI 304: Conducting	2
MUSI 311: Orchestration	2
Methods of Teaching (choose one) MUSI 317: Methods of Teaching Instrumental Music MUSI 318: Methods of Teaching Orchestral Music	3
MUSI 389: Performance Project	0
Primary Applied Instrument MUSN 150: 100-level Applied Instrument MUSN 151: 100-level Applied Instrument MUSN 250: 200-level Applied Instrument MUSN 251: 200-level Applied Instrument MUSN 350: 300-level Applied Instrument MUSN 351: 300-level Applied Instrument MUSN 450: 400-level Applied Instrument	7
****Secondary Piano** MUSI 123: Piano Class I MUSI 124: Piano Class II or MUSK 154: 100-level Applied Piano MUSK 155: 100-level Applied Piano	2
Secondary Voice MUSI 125: Voice Class I or MUSV 154: 100-level Applied Voice	1
Secondary Instrument MUSN 255: 200-level Applied Instrument MUSN 354: 300-level Applied Instrument MUSN 355: 300-level Applied Instrument	3
Ensemble (assigned by music faculty) MUSI 143: Chamber Strings MUSI 145: Jazz Ensemble MUSI 149: Wind Ensemble	7
TOTAL MAJOR PROGRAM REQUIREMENTS	57

TEACHER CERTIFICATION REQUIREMENTS

⁂EDUC 203: Field Experience I	0.5
‡EDUC 223: General Pedagogy	3
‡EDUC 240: Child Growth and the Educational Process	3
‡Reading and Writing Content Area (select one) EDUC 300: Content Area Reading and Writing EDUC 320: Reading and Writing in the Content Area	3
⁂EDUC 329: Field Experience II	0.5
⁂EDUC 429: Clinical Practice A	1
⁂EDUC 461: Clinical Practice B	11
‡EDUC 499: Teacher Education Seminar	1
‡SPED 223: PreK-12 Students with Diverse Learning Needs	3
TOTAL TEACHER CERTIFICATION REQUIREMENTS	26
ADDITIONAL ELECTIVES	2
TOTAL FOR BS DEGREE	120

Students must earn a "C" or better in all major program requirement courses.

* Music majors must earn a "C" or better in MUSI 201 and MUSI 333.

** Students may satisfy this two-hour piano requirement by passing the Piano Proficiency Exam or by completing MUSI 123-124 or MUSK 154-155. If a student passes the Piano Proficiency Exam, two additional hours of a major elective must be earned in order to satisfy the minimum number of credit hours for a degree in music with teacher certification (121).

⁂A grade of "B" or better is required in these Teacher Education courses.

‡A grade of "C" or better is required in these Teacher Education courses.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF SCIENCE**
MAJOR: **MUSIC**
CERTIFICATION: **K-12 TEACHER CERTIFICATION**
EMPHASIS: **KEYBOARD**

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lectureship Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	
*MUSI 201: Introduction to Music History	3
Humanities and Fine Arts elective	3
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
PSYC 101: General Psychology	3
World History (choose one)	3
HIST 101: Western Civilization to 1600	
HIST 102: Western Civilization 1600-1918	
HIST 121:-World Civilizations to 1600	
HIST 122: World Civilizations 1600-present	
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	
*MUSI 333: Music of the World	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS

MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0

MUSI 017: Recitals and Concerts	0
MUSI 017: Recitals and Concerts	0
MUSI 111: First-Year Theory	3
MUSI 112: First Year Theory	3
MUSI 113: First-Year Theory Applications	1
MUSI 114: First-Year Theory Applications	1
MUSI 211: Second-Year Theory	3
MUSI 212: Second-Year Theory	3
MUSI 213: Second-Year Theory Applications	1
MUSI 214: Second-Year Theory Applications	1
MUSI 345: Music of Antiquity, Middle Ages, Renaissance, and Baroque	3
MUSI 346: Music of the Classic, 19th, 20th, and 21st Centuries	3
MUSI 401: Form and Analysis	2

MAJOR PROGRAM ADDITIONAL MUSIC REQUIREMENTS

MUSI 131: Strings and Woodwinds	1
MUSI 132: Brass and Percussion	1
MUSI 222: Materials and Methods K-8	2
MUSI 303: Conducting	2
MUSI 304: Conducting	2
MUSI 311: Orchestration	2
MUSI 315: Methods of Teaching Choral Music	3
MUSI 389: Performance Project	0
Primary Applied Keyboard MUSK 150: 100-level Applied Piano or Organ MUSK 151: 100-level Applied Piano or Organ MUSK 250: 200-level Applied Piano or Organ MUSK 251: 200-level Applied Piano or Organ MUSK 350: 300-level Applied Piano or Organ MUSK 351: 300-level Applied Piano or Organ MUSK 450: 400-level Applied Piano or Organ	7
Secondary Voice MUSI 125: Voice Class I MUSI 126: Voice Class II MUSI 225: Voice Class III MUSI 226: Voice Class IV or MUSV 154: 100-level Applied Voice MUSV 155: 100-level Applied Voice MUSV 254: 200-level Applied Voice MUSV 255: 200-level Applied Voice and MUSV 354: 300-level Applied Voice MUSV 355: 300-level Applied Voice	6
Ensemble MUSI 141: University Singers	7
TOTAL MAJOR PROGRAM REQUIREMENTS	57

TEACHER CERTIFICATION REQUIREMENTS

⁂EDUC 203: Field Experience I	0.5
‡EDUC 223: General Pedagogy	3
‡EDUC 240: Child Growth and the Educational Process	3
‡Reading and Writing Content Area (select one) EDUC 300: Content Area Reading and Writing	3

EDUC 320: Reading and Writing in the Content Area	
⁂EDUC 329: Field Experience II	0.5
⁂EDUC 429: Clinical Practice A	1
⁂EDUC 461: Clinical Practice B	11
‡EDUC 499: Teacher Education Seminar	1
‡SPED 223: PreK-12 Students with Diverse Learning Needs	3
TOTAL TEACHER CERTIFICATION REQUIREMENTS	26
ADDITIONAL ELECTIVES	2
TOTAL FOR BS DEGREE	120

Students must earn a "C" or better in all major program requirement courses.

* Music majors must earn a "C" or better in MUSI 201 and MUSI 333.

⁂A grade of "B" or better is required in these Teacher Education courses.

‡A grade of "C" or better is required in these Teacher Education courses.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

COLLEGE OF BEHAVIORAL AND SOCIAL SCIENCES

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Professor of Political Science

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Professor of Political Science

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Daniel M. Harrison, Ph.D.
Professor of Sociology
Laura Jean Kerr, M.S.
Lecturer of Sociology
Sarah E. King, Ph.D.
Assistant Professor of Criminology
Matthew A. Malone, Ph.D.
Assistant Professor of Political Science and Homeland Security
Coordinator of M.S. in Emergency Management
Kimberly M. Richburg, Ph.D.
Professor of Political Science
Zachary C. Rubin, Ph.D.
Assistant Professor of Sociology

Department of History and Philosophy

M. Ryan Floyd, Ph.D.
Chair of the Department of History and Philosophy
Professor of History

Robert C. Figueira, Ph.D.
Professor of History
John G. Moore, Ph.D.
Professor of Philosophy
William L. Ramsey, Ph.D.
Professor of History
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Kevin B. Witherspoon, Ph.D.
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Dr. Benjamin E. Mays Endowed Chair

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Professor of Psychology

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Professor of Psychology
Tess M. Gemberling, Ph.D.
Assistant Professor of Psychology
P. Marie Nix, Ph.D.
Professor of Psychology
Shaunette R.B. Parker, Ph.D.
Clinical Assistant Professor of Psychology
A. Michelle Grant Scott, MSW, LISW
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Coordinator of Human Services Program
Timothy L. Snyder, Ph.D.
Professor of Psychology
Shana L. Southard-Dobbs, Ph.D.
Associate Professor of Psychology
Zachary E. Wilson, MS
Lecturer of Psychology and Human Services

Department of Military Science

John Shipe, Lieutenant Colonel
Professor of Military Science

Adrian M. Chen, Major
Assistant Professor of Military Science

THE COLLEGE OF BEHAVIORAL AND SOCIAL SCIENCES
PROGRAMS OF STUDY

Department of Government, Criminology, and Sociology

BS in Criminology
BS in Cybersecurity with Political Science Emphasis
BA in International Studies
BS in Paralegal Studies
BS in Political Science
BS in Political Science with Public Administration Emphasis
BS in Sociology
MS in Emergency Management (Please see the Lander University Graduate Catalog for details)

Department of History and Philosophy

BA in History
BS in History
BS in History, Public History Emphasis
BS in History with Secondary Teacher Certification
Certificate in Warfare, Military, and Diplomatic Studies

Department of Psychological Science and Human Services

BS in Human Services
BS in Psychology

College of Behavioral and Social Sciences
Mission Statement

The mission of the College of Behavioral and Social Sciences is to provide a high quality, dynamic, and individualized education that fosters personal, intellectual, and professional development and enables students to lead engaged, satisfying, and productive lives in a diverse and rapidly evolving world. Behavioral and social scientific literacy and knowledge using a scholar-educator model, both in and outside the classroom is promoted.

In Government, Criminology, and Sociology, the social, political, and cultural relationships among individuals, organizations, and institutions is explored.

In History and Philosophy, understanding of the fullness of past human experiences is sought and humankind's unceasing pursuit of wisdom is reflected upon.

In Military Science, leadership skills in students who will serve the nation as officers in the U.S. Army and as citizens as part of their communities is developed.

In Psychological Science and Human Services, the dynamic relationship between environmental and biological influences on behavior, cognition, and emotion is investigated.

Regardless of which disciplinary path our students take, the goal is that the knowledge, skills, and abilities necessary to excel in a wide range of fields, either in the workforce or while pursuing advanced education is developed.

College of Behavioral and Social Sciences
Values

Engagement

- of students through active and experiential learning
- in undergraduate research opportunities
- in professional development by faculty, staff, and students
- of alumni, community partners, donors, and friends of the College

Diversity

- of ideas in classrooms through rigorous exploration of inquiry
- in our populations of students, staff, and faculty
- in academic degree programs and curricular offerings
- of resources that support the College's work

Awareness

- of the benefits of a liberal arts education to all constituencies
- of career possibilities for students through professionalization activities
- of community needs and opportunities through coursework and internships
- of the global marketplace through courses and study abroad options

DEPARTMENT OF GOVERNMENT, CRIMINOLOGY, AND SOCIOLOGY

"Inspiring scholarship, citizenship, advocacy and public service"

Criminology Major

The purpose of the Criminology major is to produce students who can use their knowledge for successful careers related to law, law enforcement (corrections, policing, etc.), criminology, government service, homeland security, or social service agencies. The major seeks to create critical thinkers who can analyze the subject of security from multiple perspectives and within local, state, national, and international contexts.

Goals and Objectives:
Criminology majors will:

1. demonstrate knowledge and understanding of concepts, processes, and institutions;
2. demonstrate the ability to think critically;
3. demonstrate written and oral communication skills; and
4. demonstrate the ability to apply concepts and theories.

The Criminology curriculum creates bridges to other disciplines, such as Political Science and Sociology, in order to better prepare students for careers related to areas of law, social services, and government service. The major enables students to better understand governmental institutions, law, and social variables that shape society is imperative for future professionals. The curriculum exposes students to the relevant subjects shaping criminology such as intergovernmental relations, risk assessment, and homeland security. Upper-level core classes in the major include a research methods course, a course in criminological theory, an Internship to build students' application skills and career readiness, and a final capstone course.

CRIM 101 Introduction to Criminology and Criminal Justice should be taken during the first semester after declaring a criminology major. SOCI 101 and POLS 101 are also required foundational courses to move forward to 200-level criminology courses. The major requires that students have a certain number of political science courses (in law or public administration), or sociology courses, and a security course from a list of options. CRIM 499, the capstone experience, should be taken the semester of or just before graduation.

Criminal Justice Minor

The minor in criminal justice is designed to complement students with a major in any discipline other than Criminology in order to broaden and enhance career opportunities. This minor will provide students with knowledge and understanding of the various areas within the criminal justice system and of criminology. Students pursuing this minor may seek employment with the various federal, state, or local governmental or social service agencies, which deal with prevention programs for youth and/or at-risk youth, and/or working with populations having criminal behaviors.

Prerequisites for courses in this minor include both CRIM 101: Introduction to Criminology and Criminal Justice and POLS 101: American National Government. Some courses in the minor may have additional prerequisites.

One (1) course from the following:	3
CRIM 210: Corrections, Probation, and Parole	
CRIM 250: Community Relations and Policing	
Three (3) courses from the following:	9
CRIM 309: Juvenile Delinquency	
CRIM 350: Ethics in Criminology and Criminal Justice	
CRIM 371: Special Topics in Criminology and Criminal Justice	
CRIM 390: Current Policy Issues in Criminology	
CRIM 403: Criminological Theory	

One (1) course from the following:	3
POLS 217: Introduction to Public Administration	
POLS 318: Public Budgeting	
POLS 311: Constitutional Law	
POLS 312: Civil Rights and Civil Liberties	
POLS 313: Judicial Process	
POLS 386: State and Local Government	
POLS 391: Homeland Security	
TOTAL	15

In order to complete the minor, students must have a 2.0 GPA in courses within the minor.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: CRIMINOLOGY

Credit Hours

UNIVERSITY REQUIREMENT

FALS 101: Fine Arts and Lecture Series (Temporarily suspended) 0

GENERAL EDUCATION REQUIREMENTS
(For approved courses see General Education: www.lander.edu/gen-ed.)

A. Core Academic Skills
ENGL 101: Writing and Inquiry I 3
ENGL 102: Writing and Inquiry II 3
*MATH 211: Statistical Methods I 3

B. Humanities and Fine Arts
(6 hours selected from 2 difference disciplines) 6

C. Behavioral and Social Perspectives
(6 hours selected from 2 different disciplines)
*SOCI 101: Introduction to Sociology 3
Behavioral and Social Perspectives elective 3

D. Scientific and Mathematical Reasoning
(7 hours selected from 2 difference disciplines, 1 lab science required) 7

E. Founding Documents of the United States
*POLS 101: American National Government 3

F. World Cultures 3

G. LINK 101 1

LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.

TOTAL GENERAL EDUCATION REQUIREMENTS 35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS

*CRIM 101: Introduction to Criminology and Criminal Justice 3
**CRIM 298: Introduction to Research Methods 3*
*CRIM 399: Criminological Theory 3
CRIM 499: Capstone Experience 3
*HUS 300: Program Evaluation in Human Services
or *SOCI 398: Methods of Social Research 3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

Category #1 - Choose 6 hours from the following: 6
CRIM 210: Corrections, Probation, and Parole
CRIM 214: American Criminal Justice System
CRIM 221: Undergraduate Research in Criminology (1 credit hour)
CRIM 235: Human Trafficking
CRIM 250: Community Relations and Policing
CRIM 271: Special Topics in Criminology and Criminal Justice

POLS 217: Introduction to Public Administration	
Category #2 - Choose 3 hours from the following: LEG 308: Law, Politics, and Society or POLS 308: Law, Politics, and Society (cross-listed) LEG 311: Constitutional Law or POLS 311: Constitutional Law (cross-listed) LEG 312: Civil Right and Civil Liberties or POLS 312: Civil Right and Civil Liberties (cross-listed) LEG 313: Judicial Process or POLS 313: Judicial Process (cross-listed) POLS 318: Public Budgeting POLS 325: International Conflict and Terrorism POLS 386: State and Local Government POLS 391: Homeland Security POLS 445: American Foreign Policy	3
Category #3 - Choose 3 hours from the following: SOCI 317: Case Management SOCI 328: Sociology of Gender SOCI 399: Sociological Theory	3
Category #4 –	
Choose 3 hours from any CRIM courses at 200-level or above	3
Choose 6 hours from any CRIM 300-level or above	6
TOTAL MAJOR PROGRAM REQUIREMENTS	36
ADDITIONAL ELECTIVES	49
At least 9 credit hours may need to be 300-level or above The remaining 40 hours may be 100-level or above (INFO 101 is recommended during freshman year)	
TOTAL FOR BS DEGREE	120

* Students must earn “C” or better.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: CYBERSECURITY
EMPHASIS: POLITICAL SCIENCE

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses see the General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics One of the following:	3-4
MATH 121: Mathematical Applications	
MATH 123: Calculus and its Applications	
MATH 141: Calculus I	
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
POLS 103	3
*3 hours from a discipline other than POLS	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 212: Statistical Methods II	3
Laboratory Science	4
E. Founding Documents of the United States	3
POLS 101: American National Government or	
HIST 111: United States History to 1877	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen	
TOTAL GENERAL EDUCATION REQUIREMENTS	35-36
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours	
MAJOR PROGRAM CORE REQUIREMENTS	
CIS 102: Application Software or successful completion of exemption exam,	0-3
CIS 120: Fundamentals of Information Systems and Information Technology	3
CIS 130: Problem Solving and Programming Methods	4
CIS 140: Networking Lab	1
CIS 230: Computer Programming Principles I	4
CIS 240: Introduction to Data Communications	3
CIS 243: Fundamentals of Cyber Security	3

CIS 260: Network and Systems Administration	3
CIS 343: Computer Forensics	3
CIS 344: Network Security and Forensics	3
CIS 345: Introduction to Cryptography	3
CIS 346: Cybersecurity Planning and Management	3
CIS 360: Database Design	3
CIS 449: Cybersecurity Capstone	3

MAJOR PROGRAM EMPHASIS REQUIREMENTS

POLS 391: Homeland Security	3
And two of the following	6
POLS 303: International Relations	
POLS 311: Constitutional Law	
POLS 312: Civil Liberties and Civil Rights	
POLS 325: International Conflict and Terrorism	
POLS 366: International Law	
POLS 390: Globalization	

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

MATH 125: or MATH 325: Discrete Mathematics	3
MATH 211: Statistical Methods I or MATH 311: Mathematical Statistics	3
And one of the following:	3-4
MATH 200: Introduction to Modeling and Simulation	
MATH 242: Differential Equations	
MATH 300: Numerical Analysis	
MATH 308: Linear Algebra	
TOTAL MAJOR PROGRAM REQUIREMENTS	57-61
ADDITIONAL ELECTIVES	23-28
TOTAL FOR BS DEGREE	120

* Recommended courses: SOC 101 or PSYC 101

Coursework must include at least 30 hours earned in 300 or above level courses, of which 12 hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

International Studies Major

The BA in International Studies prepares graduates to work in government agencies, private businesses, non-profit organizations, or pursue a career with the U.S. military or diplomatic corps and have the necessary skills to succeed. The eleven-course curriculum includes five core courses in History (HIST), Political Science (POLS), and specially designated International Studies (INTL) courses. Beyond the core courses, majors will take courses in the categories of Language, Culture, and Religion; Policy and Practice; and Conflict and Cooperation to ensure that students are exposed to the actors and process of international studies in a globalized world. At least one policy course is required and application skills are a key objective, thus academic and experiential learning about international studies is key to this program.

As a distinctive feature of the BA in International Studies, all majors must also choose at least one of the following approved pathways as part of their program of study:

- a semester studying abroad in a university-approved program
- a study tour led by a Lander faculty member
- an internship (*either HIST 490 or POLS 490*) focusing on international studies
- 200-level foreign language fluency (excluding native speakers)

International Studies Minor

The objective of the minor in international studies is to learn about the contemporary world (i.e., post-1900) and the relationship of the United States to the world. Students will be exposed to major international issues and challenges as well as to cross-cultural and cross-disciplinary perspectives. Students pursuing the minor are encouraged to participate in Lander's approved study abroad programs, although this is not a requirement for completion of the minor.

This minor is open to all students except those completing the B.A. in International Studies. Students should consult the Catalog regarding any prerequisites for the courses in this minor.

Courses from chosen area, either A or B	9
Courses from the other two areas	9
TOTAL	18 credit hours

Students must concentrate their coursework in either history or political science. Students must earn a grade of "C" or better in all courses in the minor.

Area A. History

HIST 122: World Civilization since 1600
HIST 306: Latin America
HIST 307: Vietnam
HIST 343: Modern Britain
HIST 347: The United States and the Cold War, 1945-1991
HIST 365: Religion and Warfare
HIST 370: Modern East Asia
HIST 375: Modern China
HIST 377: Modern Korea
HIST 383: Warfare Through the Ages
HIST 391: America as a Major World Power: U.S. Foreign Relations, 1912-Present

Special topics courses (HIST 441) are also acceptable if the contemporary age (1900-present) is the primary focus of appropriate course content.

Area B. Political Science

POLS 103: Introduction to World Politics
POLS 303: International Relations
POLS 305: European Politics
POLS 325: International Conflict and Terrorism
POLS 366: International Law
POLS 390: The Politics of Globalization
POLS 445: American Foreign Policy

Special topics courses (POLS 361) and internships with an international focus (POLS 490) are also acceptable if the contemporary age (1900-present) is the primary focus of appropriate course content.

Area C. Approved Electives and Study Abroad

Students may count a variety of electives toward the minor in international studies. This includes courses taken at Lander as well as through the Lander-approved study abroad programs.

The following Lander courses are pre-approved for the minor:

BA 390: International Business
ES 314: Cultural Perspectives of Global Climate Change
INTL 390: The Politics of Globalization (if not taken in the Political Science category)
INTL 499: Capstone Seminar
NURS 310: Cultural Perspectives in Global Health
RELI 301: Religious Cultures of the World
SOCI 377: Special Topics (if appropriate course content is covered)

Students are strongly encouraged to study abroad and may count up to nine hours of coursework taken through Lander-approved programs, such as at the University of Winchester in the United Kingdom. Faculty must approve all coursework taken in study abroad programs.

In order to complete the minor, students must have a 2.0 GPA in courses within the minor.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF ARTS
MAJOR: INTERNATIONAL STUDIES

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS (For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (13 hours)	
ENGL 101: Writing and Inquiry I	3
* ENGL 102: Writing and Inquiry II	3
MATH 211: Statistical Methods I	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from different disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
* HIST 121: World Civilizations to 1600	3
* HIST 122: World Civilizations since 1600	3
* POLS 103: Introduction to World Politics	3
* INTL 390: The Politics of Globalization	3
INTL 499: Senior Seminar	3
MAJOR PROGRAM AREA REQUIREMENTS	18
Students must take one course in each of the following three categories for a total of 9 hours, and three additional courses within one category for an additional 9 hours.	
Language, Culture, and Religion	
[only one lower-level course can count within this category]	
ART 312: Islamic Art and Culture	
ENGL 214: World Literature and Experience	
ENGL 221: Survey of World Literature	
FR 203: French for Global Citizens III	

FR 301: French Conversion and Composition
FR 330: Overseas Study
FR 340: Overseas Study: Language
FR 355: Overseas Study: Cultural Studies
FR 360: Overseas Study: Literature
HIST 101: Western Civilization before 1600
HIST 102: Western Civilization from 1600 to 1918
HIST 306: Latin America
HIST 307: Vietnam
HIST 343: Modern Britain
HIST 370: Modern East Asia
HIST 375: Modern China
HIST 376: Modern Japan
HIST 377: Modern Korea
MUSI 333: Music of the World
PHIL 312: Asian Philosophy
POLS 305: European Politics
POLS 361: Topics in World Cultures
RELI 101: Sacred Texts and Ideas
RELI 301: Religious Cultures of the World
RELI 330: The Papacy
SPAN 203: Spanish for Global Citizens III
SPAN 205: Hispanic World for Heritage Speakers
SPAN 207: Hispanic World Today
SPAN 217: Hispanic World Today Abroad
SPAN 305: Spanish Grammar and Composition
SPAN 320: Hispanic Cinema
SPAN 327: Hispanic Cinema in Translation
SPAN 330: Overseas Study
SPAN 340: Overseas Study: Language
SPAN 350: Overseas Study: Cultural Studies
SPAN 355: Topics in Cultural Studies
SPAN 357: Topics in Cultural Studies in Translation
SPAN 360: Overseas Study: Literature
SPAN 367: Topics in Reading in Translation
SOCI 301: Race and Ethnic Relations
SOCI 302: Comparative Social Institutions
SOCI 321: Medical Sociology
SOCI 351: Sociology of Family
SOCI 363: Environmental Sociology
SOCI 389: Cultures of Violence
SOCI 397: Sociology of Risk

Policy and Practice

BA 390: International Business
CHEM 381: Technology, the Environment, and You
EDUC 309: World Cultures in Education
ES 314: Cultural Perspectives of Global Climate Change
ES 390: Global Topics in Environmental Science
NURS 310: Cultural Perspectives in Global Health
PHIL 325: Bioethics
POLS 303: International Relations
POLS 325: International Conflict and Terrorism
POLS 361: Topics in World Cultures
POLS 366: International Law
POLS 391: Homeland Security

POLS 445: American Foreign Policy

Conflict and Cooperation

HIST 307: Vietnam
HIST 346: U.S. History 1920-1945: Prosperity, Depression, and War
HIST 347: The United States and the Cold War, 1945-1991
HIST 365: Religion and Warfare
HIST 383: Warfare Through the Ages
HIST 391: America as a Major World Power:
U.S. Foreign Relations, 1912-Present
HIST 392: Spies and Lies: The U.S. Espionage Establishment
POLS 325: International Conflict and Terrorism
POLS 366: International Law
POLS 391: Homeland Security
POLS 445: American Foreign Policy

ADDITONAL REQUIREMENTS

All students must choose at least one of the following pathways as part of their program of study that requires approval from the Program Coordinator:

- a semester studying abroad in a university-approved program
- an overseas study tour led by a Lander faculty member
- an internship (*either HIST 490 or POLS 490*) focusing on international studies
- "C" or better in a 200-level foreign language course

TOTAL MAJOR PROGRAM REQUIREMENTS	33
ADDITONAL ELECTIVES	45

NOTE: Students are required to add a second major or a minor to this program of study.

Up to 15 credit hours may need to be 300-level or above.
The remaining hours may be at any level.

TOTAL FOR BA DEGREE	120

NOTES

* Students must earn "C" or better.

Students are required to add a second major or a minor to this program of study. Students majoring in International Studies cannot minor in International Studies.

Recommended courses not listed above include ECON 101, GEOG 101, and POLS 101. Introductory courses are required to take upper-level courses in most disciplines, so students should check a course's prerequisites before making choices in the Major Program Area Requirements.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

Paralegal Studies Major

The BS in Paralegal Studies is an excellent option for anyone wishing for a successful career as a paralegal – in a business, law firm or government agency. The curriculum will also prepare a student for graduate education — including, but not limited to, law school. Students who major in Paralegal Studies will find professional success as a paralegal in the curriculum that develops their research, writing and critical thinking skills. The major includes seven core classes in the area of law as well as in business, accounting, ethics and a legal research capstone to the major. The electives are in various areas of legal studies and technical writing.
Given the special nature of this program, an associate's degree in Paralegal is preferred. A minimum of 12 hours of LEG coursework from an associate's degree program in Paralegal is required for admission. Of these 12 hours of LEG coursework, recommended courses are Introduction to Law and Ethics, Legal Writing, and Legal Bibliography or Research at the 100- or 200-level.

Students must earn a "C" or better for coursework to be transferred into Lander, and a maximum of 64 hours of coursework can be transferred into Lander from a regionally accredited institution that offers two-year degrees.

This major is not intended for first-time freshman students, but for undergraduates who are bringing in relevant coursework, preferably from a Paralegal or Legal Studies program at a two-year or four-year institution.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: PARALEGAL STUDIES

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS (For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
*ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	
PHIL 103: Logic	3
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	**7**
E. Founding Documents of the United States	3
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
ACCT 201: Financial Accounting Principles	3
BA 251: Business Law	3
WRIT 275: Business Communications	3
PHIL 302: Ethics	3
LEG 308: Law, Politics, and Society	3
LEG 499: Advanced Legal Research	3
POLS 386: State and Local Government	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
Law (Choose 9 hours from the following)	9
LEG 311: Constitutional Law	
LEG 312: Civil Rights and Civil Liberties	
LEG 313: Judicial Process	
LEG 366: International Law	
LEG 371: Special Topics in Legal Studies	

Technical Writing (Choose 3 hours from the following) ENGL 350: Professional Revising and Editing ENGL 373: Writing and Research Methods ENGL 450: Technical Writing	3
MAJOR PROGRAM ELECTIVES	
200-level LEG electives	12
TOTAL MAJOR PROGRAM REQUIREMENTS	45
ADDITIONAL ELECTIVES	40
Up to 6 credit hours may need to be 300-level or above The remaining hours may be at any level.	
TOTAL FOR BS DEGREE	120

* Students must earn "C" or better as pre-requisites for other courses.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

Admission Requirements:
A minimum of 12 hours of LEG coursework from an Associate's degree program in Paralegal Studies that includes these courses—Introduction to Law and Ethics, Legal Writing, Legal Bibliography, and one more LEG course at the 100- or 200-level is required for admission. An Associate's degree in Paralegal Studies is preferred.

Students must earn a "C" or better for coursework to be transferred into Lander, and a maximum of 64 hours of coursework can be transferred into Lander from a regionally accredited institution that offers two-year degrees.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

Political Science Major

Political science focuses on the structure, process, and outcomes of politics and government. The major includes courses in the areas of American politics, comparative politics, international relations, political philosophy, methodology, public administration, public policy, and public law.

Goals and Objectives:

Political science majors will:

1. demonstrate knowledge in the areas of the discipline;
2. demonstrate political analysis skills; and
3. demonstrate skills essential for success in careers related to political science.

Students graduating from Lander University with a BS in political science will be equipped to undertake post-graduate professional study in political science, public administration, or related areas of study.

All students majoring in political science must successfully complete a core of nine courses. POLS 101 American National Government and POLS 103 Introduction to World Politics should be taken in the first semester or two after declaring a political science major. POLS 200 Introduction to Political Science should be taken after POLS 101 and 103 and before undertaking upper-level political science courses. POLS 499 Capstone Seminar should be taken shortly before graduation.

Students majoring in political science are encouraged to take internships because they provide a real familiarity with employment in the public sector and with contacts for post-baccalaureate career development. Normally students may receive credit for no more than nine credit hours, but twelve hours of internship credit can be awarded for off-campus experiences such as a government internship in Washington, D.C. or in a state capital, or full-time activity in a political campaign. Only six hours of credit in internships may count toward fulfillment of major requirements.

Students majoring in political science may choose one of two different degree programs (see below).

BS in Political Science

Students wishing to pursue careers in government, the law, public administration, research and policy analysis, politics and campaigning, or other professions where social science skills are necessary should pursue the Bachelor of Science degree. See program requirements for courses.

BS in Political Science - Public Administration Emphasis

Lander offers a political science major with a public administration emphasis for students interested in employment with in local, state, or federal government, or non-profit employment. The emphasis will also prepare students to pursue the Master's Degree in Public Administration, the professional degree for government and non-profit administration. See program requirements for courses.

Homeland Security Minor

The Homeland Security Minor is intended for students who are considering a career working in government or nongovernmental arenas related to homeland security. Careers within the diplomatic corps; emergency management; the intelligence community; law enforcement at local, state, or national levels; military service; public administration; or private businesses focused on security are some areas with jobs related to homeland security.

The minor provides a breadth of coverage of homeland security and security studies. Beyond the required introductory course, students in the minor are provided an opportunity to take courses that add to understanding intergovernmental relations, national security history, the sociological aspects of security, and U.S. defense policy and intelligence. The minor offers coursework on contemporary topics such as cybersecurity, emergency management, and terrorism and aspects of criminology in order to build skills in policy analysis. As a whole, the minor enables students to think about how governments and non-governmental actors respond to new levels of securitization in a globalized world.

Students should consult the Catalog regarding prerequisites for the courses listed in this minor.
The homeland security minor consists of 18 credit hours distributed as follows:

Core Course	
POLS 250: Introduction to Homeland Security	3
Choose 5 courses from the following:	15
CIS 243: Cybersecurity	
CRIM 390: Current Policy Issues in Criminology (where relevant)	
HIST 347: The United States and the Cold War, 1945-1991	
HIST 391: America as a Major World Power: U.S. Foreign Relations 1912-present	
HIST 392: Spies and Lies: The U.S. Espionage Establishment	
POLS 217: Introduction to Public Administration	
POLS 325: International Conflict and Terrorism	
POLS 361: Topics in World Cultures	
POLS 366: International Law	
POLS 379: Emergency Management	
POLS 391: Homeland Security	
POLS 445: American Foreign Policy	
SOCI 397: Sociology of Risk	
TOTAL	18

In order to complete the minor, students must have a 2.0 GPA in courses within the minor.

Non-Profit Management Minor

The minor in non-profit management seeks to prepare students for careers with a non-profit organization or local, state, or federal governmental agency that provides social services to a specific population. Given that non-profit organizations provide similar services as some governmental agencies and seek funding through government grants, there is much interaction between governmental agencies and non-governmental organizations or non-profits, some of which are charitable institutions. The minor's curriculum seeks to make students familiar with governmental structure and regulations, the policy-making process within government and non-profits, and social welfare policies of serving populations in need.

Non-profit management has become a popular specialization within several disciplines and links to many career paths, so this minor may be valuable for students considering graduate school programs such as a master's degree in public administration (M.P.A.), master's degree in social work (M.S.W.), or a graduate degree in human services.

Prerequisites for the minor's coursework include POLS 101 or SOCI 101. In addition to these prerequisites, PSYC 101 or PSYC 102 is required as a prerequisite for SOCI 317.

A minor in non-profit management consists of 18 credit hours distributed as follows:

POLS 217: Introduction to Public Administration	3
POLS 318: Public Budgeting	3
POLS 386: State and Local Government	3
SOCI 314: Social Welfare Policies and Programs	3
SOCI 315: Non-Profit Organizations	3
SOCI 317: Case Management	3
TOTAL	18

In order to complete the minor, students must have a 2.0 GPA in courses within the minor.

Political Science Minor

The Political Science Minor is intended for students who are interested in politics or considering a career in campaigning and electoral politics, government service, governmental relations (for a private business or non-

profit organization), law, or a field that connects with public service such as the diplomatic corps, homeland security, intelligence, law enforcement, military service, or public administration.

The minor provides flexibility so that students can take courses across many subfields of the discipline or focus coursework in one or more subfields of political science such as American politics, comparative politics, international relations, law and judicial politics, or public administration and policy. This minor is not open to a student majoring in political science.

The minor consists of 15 credit hours distributed as follows:

POLS 101: American National Government	3
POLS 103: Introduction to World Politics	3
Three POLS electives (200-level or above)	9
TOTAL	15

In order to complete the minor, students must have a 2.0 GPA in courses within the minor.

Pre-Law Minor

The pre-law minor has three groups of courses. Students must take both courses in the first group (Group A), two of the courses in the second group (Group B), and two of the courses in the third group (Group C). The first group consists of courses providing the most important skills a law student or lawyer needs. The second group consists of courses providing background knowledge helpful for law students or lawyers. The third group consists of the law courses offered at the undergraduate level.

The pre-law minor consists of 18 credit hours with the following distribution:

Group A	6
Students must take both of the following:	
PHIL 103: Introduction to Logic	
SPCH 101: Speech Fundamentals	
Group B	6
Students must choose 2 of the following:	
HIST 111: U.S. History to 1877	
HIST 112: U.S. History since 1877	
PHIL 302: Ethics	
POLS 101: American National Government	
Group C	6
Students must choose 2 of the following:	
BA 251: Legal Environment of Business	
POLS 308: Law, Politics, and Society	
POLS 311: Constitutional Law	
POLS 312: Civil Rights and Civil Liberties	
POLS 313: Judicial Process	
POLS 366: International Law	
TOTAL	18

In order to complete the minor, students must have a 2.0 GPA in courses within the minor.

Course Recommendations for Pre-Law

The American Bar Association ". . .does not recommend any particular group of undergraduate majors, or courses that should be taken by those wishing to prepare for legal education; developing such a list is neither possible nor desirable. The law is too multifaceted, and the human mind too adaptable, to permit such a linear approach to preparing for law school or the practice of law. Nonetheless, there are important skills and values, and significant bodies of knowledge, that can be acquired prior to law school and that will provide a sound foundation for a sophisticated legal education."

The American Bar Association's section of Legal Education and Admissions to the Bar has encouraged the following skills and values as preparation for a good law school experience:

Analytic and Problem Solving Skills
Critical Reading Abilities
Writing Skills
Oral Communication and Listening Abilities
General Research Skills
Task Organization and Management Skills
The Values of Serving Others and Promoting Justice

Public Administration Minor

The public administration minor provides education in public policy or public service management for students who major in disciplines other than political science. This minor provides background for students wishing to work in government, non-profit organizations, or pursue a master's degree in public administration (M.P.A.).

After the core courses, students are given flexibility in terms of courses that address areas of budgeting, homeland security, emergency management, public policy, public relations, and non-profit organizations. Thus, courses address many contemporary topics and provide students with the skills in policy analysis.

The 18 credit hours of minor requirements are:

Core Classes	9
POLS 101: American National Government	
POLS 217: Introduction to Public Administration	
POLS 386: State and Local Government	
Electives (choose 9 credit hours from the following)	9
POLS 250: Introduction to Homeland Security	
POLS 318: Public Budgeting	
POLS 366: International Law	
POLS 379: Emergency Management	
POLS 390: The Politics of Globalization	
POLS 391: Homeland Security	
*ECON 315: Economics of Public Policy	
*MEDA 341: Introduction to Public Relations	
*MEDA 342: PR Communications	
*SOCI 314: Social Welfare Policies and Programs	
*SOCI 315: Non-Profit Organizations	
TOTAL	18

**These courses have prerequisites. See the catalog or check with the instructor.*
In order to complete the minor, students must have a 2.0 GPA in courses within the minor.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF SCIENCE**
MAJOR: POLITICAL SCIENCE

Credit Hours

UNIVERSITY REQUIREMENT

FALS 101: Fine Arts and Lecture Series (Temporarily suspended) 0

GENERAL EDUCATION REQUIREMENTS
(For approved courses, see General Education: www.lander.edu/gen-ed.)

A. Core Academic Skills (9 hours)
*ENGL 101: Writing and Inquiry I 3
*ENGL 102: Writing and Inquiry II 3
MATH 211: Statistical Methods I 3

B. Humanities and Fine Arts 6
(6 hours selected from 2 different disciplines)

C. Behavioral and Social Perspectives 6
(6 hours selected from 2 different disciplines)

D. Scientific and Mathematical Reasoning 7
(7 hours selected from 2 different disciplines, 1 lab science required)

E. Founding Documents of the United States 3
HIST 111: United States History to 1877

F. World Cultures 3

G. LINK 101: Leadership, Involvement, Networking and Knowledge 1

LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.

TOTAL GENERAL EDUCATION REQUIREMENTS 35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS

*POLS 101: American National Government 3
*POLS 103: Introduction to World Politics 3
POLS 200: Introduction to Political Science 3
POLS 318: Public Budgeting 3
POLS 386: State and Local Government 3
POLS 499: Capstone Senior Seminar 3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

American Politics (Choose 9 credit hours from the following:) 9
POLS 217: Introduction to Public Administration
POLS 271: Special Topics in Political Science
POLS 302: Political Behavior
POLS 307: Public Opinion
POLS 308: Law, Politics, and Society
POLS 311: Constitutional Law
POLS 312: Civil Rights and Civil Liberties
POLS 313: Judicial Process

POLS 350: Political Psychology
POLS 360: Congress and the Presidency
POLS 379: Emergency Management
POLS 391: Homeland Security
POLS 490: Internship

International Relations and Comparative Politics

(Choose 6 credit hours from the following:)	6

POLS 250: Introduction to Homeland Security
POLS 303: International Relations
POLS 305: European Politics
POLS 325: International Conflict and Terrorism
POLS 331: Political Philosophy
POLS 361: Topics in Global Issues and Cultures
POLS 366: International Law
POLS 390: The Politics of Globalization
POLS 445: American Foreign Policy
POLS 490: Internship

TOTAL MAJOR PROGRAM REQUIREMENTS	33
ADDITIONAL ELECTIVES	52

At least 15 credit hours may need to be 300-level or above
The remaining 37 hours may be 100-level or above
(INFO 101 is recommended during freshman year)

TOTAL FOR BS DEGREE	120

* Students must earn "C" or better.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF SCIENCE**
MAJOR: **POLITICAL SCIENCE**
EMPHASIS: **PUBLIC ADMINISTRATION**

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
*ENGL 101: Writing and Inquiry I	3
*ENGL 102: Writing and Inquiry II	3
MATH 211: Statistical Methods I	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	7
E. Founding Documents of the United States HIST 111: United States History to 1877	3
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
*POLS 101: American National Government	3
*POLS 103: Introduction to World Politics	3
POLS 200: Introduction to Political Science	3
POLS 318: Public Budgeting	3
POLS 386: State and Local Government	3
POLS 499: Capstone Senior Seminar	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
POLS 217: Introduction to Public Administration	3
Select 12 hours from the following: HUS 201: Introduction to Human Services PHIL 302: Ethics POLS 250: Introduction to Homeland Security POLS 308: Law, Politics, and Society POLS 313: Judicial Process	12

POLS 371: Special Topics in Political Science
POLS 379: Emergency Management
POLS 391: Homeland Security
POLS 490: Internship
SOCI 314: Social Welfare Policies and Programs
SOCI 315: Non-Profit Organizations

TOTAL MAJOR PROGRAM REQUIREMENTS	33
ADDITIONAL ELECTIVES	52

At least 15 credit hours must be 300-level or above
The remaining 37 hours may be 100-level or above
(INFO 101 recommended during freshman year)

TOTAL FOR BS DEGREE	120

* Students must earn "C" or better.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

Sociology Major

Sociology is the science of the human condition, the study of society, and the analysis of social relations. While a major in sociology is useful regardless of career choice, Lander's program also prepares students for a variety of more specialized occupational opportunities in fields such as non-profit organizations, social work, corrections, law enforcement, survey research, policy analysis, vocational guidance, counseling, human services, personnel management in industry, and public health.

The program is also designed to help the highly successful student in the pursuit of graduate work, not only in sociology but in allied fields such as anthropology, criminology, law, education, history, social work, political science, public health, journalism, communications, and public administration.

Some students decide to major in sociology as freshmen, while others switch their major to sociology in the midst of their college career. After completing SOCI 101, students will need at least two years of study to finish their major, as there are several sets of sequence courses. Students minoring in sociology will need at least *one year of study* to finish their coursework.

Undergraduate majors in sociology will:

1. demonstrate disciplinary knowledge in the field of sociology,
2. demonstrate the ability to think analytically, and
3. demonstrate the ability to apply sociological theory.

To ensure competency in the basic sociological skills, a sociology major must earn at least a "C" in SOCI 101, SOCI 202, SOCI 398, and SOCI 399, and have an average GPA of 2.0 in sociology courses taken.

Sociology Minor

Sociology is an important discipline of study regardless of career choice. It is particularly useful for persons who are considering careers in the fields of human services, social services, and public service but also beneficial for those interested in advertising and marketing. Thus, the study of social groups connects to careers in non-profit organizations, government agencies, and private businesses.

Students not wishing to major in sociology might wish to make it their minor. This minor is not open to a student majoring in sociology.

A minor in sociology consists of 15 credit hours distributed as follows:

SOCI 101: Introduction to Sociology	3
SOCI 202: Social Problems	3
SOCI 398: Methods of Social Research	3
SOCI 399: Sociological Theory	3
Sociology Elective (300-level or above)	3
TOTAL	15

To ensure competency in the basic sociological skills and complete the minor, a student must earn at least a "C" in all courses in this minor. Students must also pass MATH 211 with a "C" or better before enrolling in SOCI 398.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF SCIENCE**
MAJOR: SOCIOLOGY

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 211: Statistical Methods I	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
*SOCI 101: Introduction to Sociology	3
*SOCI 202: Social Problems	3
*SOCI 398: Methods of Social Research	3
*SOCI 399: Sociological Theory	3
SOCI 490: Internship	3
SOCI 499: Capstone Senior Seminar	3
TOTAL CORE REQUIREMENTS	18
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
Sociology elective	3
Sociology elective	3
Sociology elective	3
300-level or above Sociology elective	3
300-level or above Sociology elective	3
TOTAL ADDITIONAL REQUIREMENTS	15

TOTAL MAJOR PROGRAM REQUIREMENTS	33
ADDITIONAL ELECTIVES	52
At least 12 credit hours may need to be 300-level or above The remaining 40 hours may be 100-level or above (INFO 101 is recommended during freshman year)	
TOTAL FOR BS DEGREE	120

* Students must earn "C" or better.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

DEPARTMENT OF HISTORY AND PHILOSOPHY

History Major

History encompasses the study of human experiences and institutions from ancient times to the present. By studying the development in time of politics, societies, economies, attitudes, systems of thought, and cultures, Lander University history graduates will:

1. develop the skills necessary to conduct historical reasoning; and
2. have the skills and experience to continue their academic study in graduate school or find employment within or outside of the field of history.

Degree programs in history are useful preparation for entry into law, business, and other professions. In addition to solid preparation for the teaching profession, history majors may also find career opportunities in government service, in historic preservation, or in archives and museums.

The Lander history curriculum provides opportunities to study many chronological epochs (ranging from antiquity to the contemporary period), world cultures (of the United States, Asia, Europe, and Latin America), and topics such as social change, race relations, religion, sports, the American South, and military history. Apart from completing required courses (at the 100-level, HIST 201: The Historian's Craft, An Introduction to the Study of History; and HIST 499: Senior Capstone Seminar), students are encouraged by their academic advisors to develop a sequence of history courses drawing on this variety of offerings.

Degree options include:

History, Bachelor of Arts (BA). Recommended for students with a deep passion for history and the intention of continuing their education in graduate school. The BA requires 6 hours of foreign language, and 3 hours of student research or internship. These additional skills are intended to advance the student's preparation for graduate school.

History, Bachelor of Science (BS). Recommended for students who are interested in history, with a wide range of options for future study and/or career. This is a very flexible degree program, allowing students many elective hours to complete a minor or a double major. Students graduating with the History BS degree go on to careers in many different fields, including business, the law, public service, state or national parks, and archival or museum work. History BS students are also well prepared for graduate school.

History, Bachelor of Science, Public History Emphasis. Recommended for students who are interested in history and intend to pursue a career in public history, such as historic preservation, archival and museum work, documentary filmmaking, or work at state/national parks. The Public History emphasis includes the same core elements as the History BS degree, but replaces some of the upper-level elective options with courses designed to prepare students for careers in public history, such as oral and local history, memory and memorialization, museum studies, grant-writing, and documentary film-making.

History, Bachelor of Science, Secondary Social Studies Teacher Certification. Recommended for students who are interested in teaching history on the high school level. The program includes the same core elements as the History BS degree, but requires additional social science and pedagogical coursework and field experiences that will prepare students to become certified teachers.

All history majors must complete at least eighteen–hours of credit at the 200-level or above (including HIST 499.Senior Capstone Seminar) in history courses offered at Lander University. Students must have a cumulative 2.0 average in all major courses in order to graduate.

Teacher Certification Program Goals

History students may elect to earn secondary teacher certification. The program is accredited by the Council for the Accreditation of Educator Preparation (CAEP). Students must meet the social studies education standards of the National Council for Social Studies (NCSS). Students graduating from Lander University with recommendation for teacher certification complete student teaching, coursework and testing requirements for recommendation for

certification in South Carolina consistent with the College of Education's conceptual framework. This framework provides direction for programs, courses, teaching and teacher candidate assessment. The framework is built on the conceptual model of the "Professional Educator" as one who demonstrates these Learner Outcomes.

The Professional Educator

1. integrates content knowledge and skills of scholarly inquiry to teach all students;
2. plans, provides and assesses learning experiences that are supported by research, knowledge of best practice and professional standards;
3. communicates and collaborates with diverse populations (students, educators, families and community members) exhibiting professional behaviors and dispositions; and
4. engages in reflection and professional development to foster student learning and inform instructional decisions.

Student Eligibility

Students enrolled in Secondary (History, English, Chemistry, Mathematics) or PK-12 (PE, Art, Music):

Provisional Status

1. Demonstrate professional behaviors and dispositions* at all times.
2. Maintain a minimum 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
3. Pass **ALL 3** sections of Praxis Core or have exempting SAT/ACT scores on file at Lander University and confirmed by the Department of Teacher Education.
4. Successfully complete other reviews as required by departments in specific content areas.
5. Apply for admission to the professional program in teacher education (see Department of Teacher Education section of catalog for requirements).

Candidate Status

1. Enter candidacy with formal admission to the professional program in teacher education.
2. Demonstrate professional behaviors and dispositions* at all times.
3. Maintain a 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
4. Take the Praxis II prior to the student teaching semester**
5. Take the PLT (Principles of Learning and Teaching) by the end of the student teaching semester **
6. Successfully complete other departmental requirements, reviews, projects, or milestones.

Students not meeting one or more of the requirements will not progress to Candidate Status.

*Lander University has high expectations for all teacher education majors. Teacher education majors who exhibit unacceptable dispositions may be removed from the program. Procedures for removal are outlined within the Department of Teacher Education handbook.

**Praxis II and PLT must be passed to apply for certification with the South Carolina Department of Education..

Ethics Minor

Ethics has been a major focus of study for philosophers since antiquity, and is, today, the most highly discussed and researched area in philosophy. Minoring in ethics supplies an excellent pre-professional endorsement for any major. Its focused coursework in critical thinking, ethical project design, the foundations of moral theory, and the study of contemporary moral dilemmas especially complements majors involving managerial, professional or social justice careers. Lander's minor in ethics is unique in requiring completion of an ethical advocacy project-course, in addition to a broad array of applied and foundational courses that can be mixed and matched to suit individual preference. The Ethics minor is open to all students except those minoring in Philosophy.

The program consists of 15 semester hours across a variety of disciplines, to include:

Category A: Philosophy Core Courses (6 credit hours)
PHIL 203: Ethical Advocacy
PHIL 205: Contemporary and Moral Dilemmas

Category B: Foundational Courses in Ethics (3 to 6 credit hours)*
PHIL 302: Ethics
PHIL 325: Bioethics
PHIL 341: Topics in Philosophy (with a focus on Ethics)
HONS 292: Honors Topics in Philosophy and Religion (with focus on Ethics)
If HONS 292 is cross-listed with PHIL 341 it cannot be counted as an additional three hours.

Category C: Disciplines: (3 to 6 credit hours)*
BUSI 351: Business Ethics
CRIM 350: Ethics in Criminology and Criminal Justice
ES 301: Introduction to Environmental Science I
ES 314: Cultural Perspectives on Global Climate Change
HUS 337: Crisis Intervention and Prevention
MEDIA 421: Seminar in Media Law and Ethics
NURN 373: Spirituality in Nursing
POLS 312: Civil Rights and Civil Liberties
POLS 325: International Conflict and Terrorism
PSYC 405: Death and Dying
SPED 223: PreK-12 Students with Diverse Learning Needs
SOCI 322: Sociology of Mental Health
SOCI 331: Deviance and Social Control
SOCI 361: Sociology of Aging
SOCI 389: Cultures of Violence
RELI 441: Special Topics in Religion (with a focus on Ethics)

*If students select 6 credit hours from Category B or C, they must select 3 credit hours from the other category.

History Minor

A minor in History consists of 18 credit hours distributed as follows:

100-level History Courses	6
200-level or higher History Courses*	12
TOTAL	18

*Students can count only one 3-credit hour 200-level history course toward completion of the minor.

International Studies Minor

The objective of the minor in international studies is to learn about the contemporary world (i.e., post-1900) and the relationship of the United States to the world. Students will be exposed to major international issues and challenges as well as to cross-cultural and cross-disciplinary perspectives. Students pursuing the minor are encouraged to participate in Lander's approved study abroad programs, although this is not a requirement for completion of the minor. For details, refer to pages 57-58.

Philosophy Minor

The minor in philosophy not only emphasizes the acquisition of methodological skills used in many separate academic disciplines but also emphasizes inquiry into, and reflection upon, the knowledge and value-structures inherent in intellectual problems and texts. Students in the minor program will (1) learn to investigate critically the major areas of philosophy including logic, value theory, and theories of knowledge and reality and (2) learn to apply their reasoning abilities in critical reading, thinking, and writing.

Students minoring in philosophy should (1) acquire the methods necessary to read, think critically and write about subjects in the humanities, social sciences, and sciences, (2) understand and be able to employ ethical concepts and theories of moral philosophy, and (3) be conversant with the major problems and historical development of philosophical inquiry.

The philosophy minor consists of 18 credit hours with the following distribution:

A. Area Studies in Philosophy (12 credit hours required; 18 credit hours allowed)**:**

PHIL 102: Introduction to Philosophy	3
PHIL 103: Introduction to Logic	3
PHIL 203: Ethical Advocacy	3
PHIL 205: Contemporary Moral Dilemmas	3
PHIL 302: Ethics	3
PHIL 305: Philosophy of Religion	3
PHIL 309, Philosophy of Mind	3
PHIL 312: Asian Philosophy	3
PHIL 315: Existentialism	3
PHIL 325: Bioethics	3
PHIL 341: Topics in Philosophy	3
Subtotal, hours, Section A:	12-18

B. Optional Cognate Courses (cognate courses in other disciplines, no more than 6 credit hours for the philosophy minor; at least 3 credit hours is recommended):

CRIM 350: Ethics in Criminology and Criminal Justice	3
HIST 365: Religion and Warfare	3
POLS 331: Political Philosophy	3
RELI 301: Religious Cultures of the World	3
Subtotal, hours: Section B:	0-6
TOTAL	18

Pre-Law Minor

The pre-law minor has three groups of courses. Students must take both courses in the first group (Group A), two of the courses in the second group (Group B), and two of the courses in the third group (Group C). The first group consists of courses providing the most important skills a law student or lawyer needs. The second group consists of courses providing background knowledge helpful for law students or lawyers. The third group consists of the law courses offered at the undergraduate level. The pre-law minor consists of 18 credit hours. For details, refer to page 152-153.

Religion Minor

The religion minor provides students with the opportunity to engage in a scholarly study of religion in a manner that places value on understanding the origins and meaning of religion in different cultures. The minor provides studies in the primary texts, histories, and founders of all of the world's major religions, with a focus on the comparative study of religion and the Judeo-Christian tradition. The minor is intended for students who have a general interest in the academic discipline of religious studies, particularly those interested in pursuing such studies in graduate school or at seminary, or who intend to pursue vocations where a knowledge of religion would be helpful.

The religion minor consists of 18 credit hours distributed as follows:

Core Required Courses:	**credit hours**
RELI 101: Sacred Texts and Ideas	3
The Judeo-Christian Tradition (Choose one from the following)	3
RELI 211: Introduction to the Hebrew Scriptures or RELI 212: Introduction to the New Testament	
TOTAL Core Courses	6
Twelve credit hours from among the following:	12
HIST 363: World Christianity from 1500	
HIST 365: Religion and Warfare	
PHIL 102: Introduction to Philosophical Inquiry	
PHIL 305: Philosophy of Religion	
PHIL 312: Asian Philosophy	
RELI 211: Introduction to the Hebrew Scriptures	

(If not taken to fulfill the Judeo-Christian Tradition category)
RELI 212: Introduction to the New Testament
(If not taken to fulfill the Judeo-Christian Tradition category)
RELI 301: Religious Cultures of the World
RELI 330: The Papacy
RELI 441: Topics in Religion
(May be repeated with different topics)
Total hours in the minor: 18

Public History Minor

The Public History minor provides non-history majors with the opportunity to deepen their knowledge of history to help prepare them for possible careers in such areas as archives, museums, historic preservation, historic sites, and the National Parks Service. In order to have a sufficient foundation in American history, HIST 111 and HIST 112 are required. HIST 380: Introduction to Public History, another required course, helps students develop skills necessary for working in public history fields while exposing them to the various career options in that area. Students also select nine hours of elective courses related to the field of public history in which they would like to specialize.

The Public History minor is open to all students except those majoring or otherwise minoring in History.

The program consists of 15 credit hours, to include:

Required Courses (9 credit hours)
HIST 111: United States History to 1877
HIST 112: United States History since 1877
HIST 380: Introduction to Public History

Public History Electives (9 credit hours)
HIST 385: Local and Oral History
HIST 386: Memory and Memorialization
HIST 409: Research in History (must be in a topic related to public history)
HIST 442: Special Topics in Public History
HIST 491: Public History Internship

Warfare, Military, and Diplomatic Studies Certificate

The objective of this program is to provide students an opportunity to gain in-depth knowledge of both the history and current state of global warfare and diplomacy. Those who complete the program will master information and skills that are especially desirable for continued graduate study in history, or careers in: the military, the U.S. Department of State or other government offices, the National Park Service/state parks system, public history, civil service, or public administration. Any Lander student may pursue the certificate in Warfare, Military, and Diplomatic Studies; it is not necessary that the student be a history major.

Certificate Policy
Because state law specifies that four-year degree-granting institutions may not offer undergraduate degrees lower than a baccalaureate, Lander University offers certificate programs to students who are required to either 1) already have completed a baccalaureate degree, and/or 2) be concurrently enrolled in a baccalaureate program at Lander University. In the event that a student completes the coursework for the certificate and does not graduate from Lander with a baccalaureate degree, the courses for the certificate will appear on the student's transcript, but the certificate will not be awarded.

The certificate requires 15 credit hours across a variety of disciplines and a written final comprehensive evaluation.

Diplomatic History: (choose two from the following): 6
HIST 347: The United States and the Cold War, 1945-1991
HIST 390: America's Rise to World Power: 1776-1912
HIST 391: America as a World Power: U.S. Foreign Relations 1912 to the Present
HIST 392: Spies and Lies: The U.S. Espionage Establishment, 1942-1963

*HIST 441: Special Topics in History (with focus on diplomacy)

Military History: (choose two from the following):	6
HIST 307: Vietnam: A Thousand Year Revolution	
HIST 311: Civil War and Reconstruction, 1850-1877	
HIST 383: Warfare through the Ages	
*HIST 441: Special Topics in History (with focus on warfare)	
Political Science, Philosophy or Religion: (choose one from the following):	3
HIST 365: Religion and Warfare	
POLS 325: International Conflict and Terrorism	
POLS 391: Homeland Security	
POLS 445: American Foreign Policy	
PHIL 302: Ethics	
*ENGL 401: Special Topics Seminar (with focus on diplomacy or warfare)	
*PHIL 341: Topics in Philosophy (with focus on diplomacy or warfare)	
*RELI 441: Topics in Religion (with focus on diplomacy or warfare)	
Total credit hours	15

*Special topics courses must be approved by an advisor to ensure they will meet the requirements for this certificate.

Students must earn a "C" or better in all courses and must pass the final written comprehensive evaluation to receive the Warfare, Military, and Diplomatic Studies certificate.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF ARTS
MAJOR: HISTORY

Credit Hours

UNIVERSITY REQUIREMENT

FALS 101: Fine Arts and Lecture Series (Temporarily suspended) 0

GENERAL EDUCATION REQUIREMENTS
(For approved courses, see General Education: www.lander.edu/gen-ed.)

A. Core Academic Skills (9 hours)
*ENGL 101: Writing and Inquiry I 3
*ENGL 102: Writing and Inquiry II 3
Mathematics 3

B. Humanities and Fine Arts 6
(6 hours selected from 2 different disciplines)

C. Behavioral and Social Perspectives 6
(6 hours selected from 2 different disciplines)

D. Scientific and Mathematical Reasoning 7
(7 hours selected from 2 different disciplines, 1 lab science required)

E. Founding Documents of the United States 3
HIST 111: United States History to 1877 or
POLS 101: American National Government

F. World Cultures 3

G. LINK 101: Leadership, Involvement, Networking and Knowledge 1

LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen

TOTAL GENERAL EDUCATION REQUIREMENTS 35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS

HIST 201: The Historian's Craft: An Introduction to the Study of History 3
HIST 499: Senior Capstone Seminar 3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

Introductory Courses (choose 2 of the following courses) 6
HIST 101: Western Civilization (before 1600)
HIST 102: Western Civilization (1600–1918)
HIST 111: U.S. History to 1877
HIST 112: U.S. History since 1877
HIST 121: World Civilizations to 1600
HIST 122: World Civilizations since 1600

Foreign Language (choose any 2 foreign language courses) 6

Student Research/Internship (choose 3 hours from the following courses) 3
HIST 221: Undergraduate Research in History (1 hr.)
HIST 407, HIST 408, HIST 409: Research in History

HIST 490: Internship
HIST 491: Public History Internship

MAJOR PROGRAM ELECTIVES (21 hours)

HIST 300-level or higher	3
HIST 300-level or higher	3
HIST 300-level or higher	3
HIST 300-level or higher	3
HIST 300-level or higher	3
HIST 300-level or higher	3
HIST 300-level or higher	3
TOTAL MAJOR PROGRAM REQUIREMENTS	42
ADDITIONAL ELECTIVES	43

Up to 6 credit hours may need to be 300-level or above
The remaining hours may be at any level

TOTAL FOR BA DEGREE	120

* Students must earn "C" or better.

NOTES:
The Foreign Language courses in the Major Program Additional Requirements are recommended to be from the same language, such as SPAN 101 and SPAN 102, but this is not a requirement.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

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2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: HISTORY

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS (For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
*ENGL 101: Writing and Inquiry I	3
*ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
HIST 201: The Historian's Craft: An Introduction to the Study of History	3
HIST 499: Senior Capstone Seminar	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
Introductory Courses (Choose 6 hours from the following)	6
HIST 101: Western Civilization (before 1600)	
HIST 102: Western Civilization (1600 – 1918)	
HIST 111: U.S. History to 1877	
HIST 112: U.S. History since 1877	
HIST 121: World Civilizations to 1600	
HIST 122: World Civilizations since 1600	

MAJOR PROGRAM ELECTIVES (24 credit hours)

HIST 300-level or higher	3
HIST 300-level or higher	3
HIST 300-level or higher	3
HIST 300-level or higher	3
HIST 300-level or higher	3
HIST 300-level or higher	3
HIST 300-level or higher	3
HIST 300-level or higher	3
TOTAL MAJOR PROGRAM REQUIREMENTS	36
ADDITIONAL ELECTIVES	49
At least 3 credit hours may need to be 300-level or above The remaining 46 hours may be 100-level or above	
TOTAL FOR BS DEGREE	120

* Students must earn "C" or better.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: HISTORY
EMPHASIS: PUBLIC HISTORY

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	
(6 hours selected from 2 difference disciplines)	6
C. Behavioral and Social Perspectives	
(6 hours selected from 2 difference disciplines)	6
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 difference disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
HIST 201: The Historian's Craft	3
HIST 499: Senior Capstone Seminar	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
Choose 6 hours from the following:	6
HIST 101: Western Civilization I	
HIST102: Western Civilization II	
HIST 111: United States History to 1877	
HIST 112: United States History Since 1877	
HIST 121: World Civilizations to 1600	
HIST 122: World Civilizations Since 1600	
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
HIST 380: Introduction to Public History	3
HIST 385: Oral and Local History or	3

HIST 386: Memory and Memorialization	
Content Electives (Choose 6 hours from the following) HIST 385 or 386 (if not taken to fulfill emphasis requirements listed above) HIST 407, 408, and/or 409: Research in History (no more than 3 hours) HIST 442: Special Topics in Public History HIST 491: Public History Internship	6
Collaboration and Communication (Choose 3 hours from the following) WRIT 275: Business Communications ENGL 373: Writing and Research Methods MEDA 200: Media Skills MEDA 341: Introduction to Public Relations POLS 217: Introduction to Public Administration SOCI 315: Non-Profit Organizations SPCH 101: Speech Fundamentals	3
Technology (Choose 3 hours from the following) CIS 102: Application Software JOUR 203: Introduction to Web Design MEDA 204: Communications Design MEDA 219: Communications Photography MEDA 301: Special Topics in Mass Communication MEDA 311: The Art of the Podcast MEDA 351: Social Media MEDA 370: Documentary Films	3
MAJOR PROGRAM ELECTIVES	
HIST 300-level or higher	3
HIST 300-level or higher	3
HIST 300-level or higher	3
TOTAL MAJOR PROGRAM REQUIREMENTS	39
ADDITIONAL ELECTIVES	46
At least 6 credit hours may need to be 300-level or above The remaining 40 hours may be 100-level or above	
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 hours earned in 300 or above level courses, of which 12 hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF SCIENCE**
MAJOR: **HISTORY**
CERTIFICATION: **SECONDARY SOCIAL STUDIES TEACHER**

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
*ENGL 101: Writing and Inquiry I	3
*ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	6
*POLS 101: American National Government	
*PSYC 101: General Psychology	
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Statistical Methods I	3
1 lab science	4
E. Founding Documents of the United States	3
*HIST 111: United States History to 1877	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
HIST 201: The Historian's Craft: An Introduction to the Study of History	3
HIST 499: Senior Capstone Seminar	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
*HIST 112: U.S. History since 1877	3
*HIST 121: World Civilizations to 1600	3
*HIST 122: World Civilizations since 1600	3
*GEOG 101: Introduction to Geography	3
*ECON 101: Economics in Society	3
*SOCI 101: Introduction to Sociology	3
*HIST 451: Methods for Teachers of Secondary Social Studies	3

MAJOR PROGRAM ELECTIVES

HIST 300-level or higher (US History Course)	3
HIST 300 level or higher (US History Course)	3
HIST 300-level or higher (Non-US History Course)	3
HIST 300-level or higher (Non-US History Course)	3
HIST 300-level or higher, any topic	3
TOTAL MAJOR PROGRAM REQUIREMENTS	42

TEACHER CERTIFICATION REQUIREMENTS

*SPED 223: Pre-K – 12 Students with Diverse Learning Needs	3
**EDUC 203: Field Experience I	.5
*EDUC 204: Instructional Technology for Teachers	3
*EDUC 223: General Pedagogy	3
*EDUC 250: Adolescent Development and Learning Communities	3
*EDUC 320: Reading and Writing in the Content Area	3
*EDUC 321: Foundations of Reading	3
**EDUC 329: Field Experience II	.5
**EDUC 429: Clinical Practice A	1
**EDUC 461: Clinical Practice B	11
**EDUC 499: Teacher Education Seminar	1
TOTAL TEACHER CERTIFICATION REQUIREMENTS	32
ADDITIONAL ELECTIVES	11
TOTAL FOR BS DEGREE	120

* Must earn a C or better in courses marked with a single asterisk.
**Must earn a B or better in courses marked with two asterisks.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

DEPARTMENT OF PSYCHOLOGICAL SCIENCE AND HUMAN SERVICES

Psychological science provides the tools for a scientific analysis of human development, emotion, cognition, behavior, and psychopathology. Human services is an applied discipline focused on helping individuals and communities to solve problems, enhance their well-being, and improve their quality of life. The Department offers a major and a minor in psychology, as well as a major and minor in human services, and a minor in child and family studies.

Psychology Major

An undergraduate degree in psychology prepares the successful graduate for a variety of careers in health and human services, business and administration, public and community relations, marketing and retail, and more.

The program is also designed to help the highly successful student in the pursuit of graduate work, not only in psychology, but also in other disciplines, such as law, business, medicine, and social work.

Psychology core courses are PSYC 102, PSYC 190, PSYC 203, PSYC 261, PSYC 330, and PSYC 499. To further the aim of graduating only competent students, a psychology major is required to take these core courses and earn a grade of "C" or better in each. Therefore, if a student does not make a "C" or better on the first or second attempt of PSYC 102, PSYC 261, PSYC 330, or PSYC 499, that student will not be allowed to complete a degree with a major in psychology. It will be the responsibility of the student to change his/her major if these requirements are not met.

Students must have at least a 2.00 GPA in all psychology courses.

Any student expecting a recommendation from the psychology faculty with regard to graduate study in psychology must meet additional requirements, as follows:

- Most MS programs demand no less than an overall GPA of 3.0 and a 3.5 GPA in the major;
- Most Ph.D. programs demand no less than an overall GPA of 3.5 and a 3.75 in the major. Such programs also expect the student to have had PSYC 358: History and Systems of Psychology and research experience beyond normal requirements; and
- Most graduate programs expect candidates to have strong letters of recommendation from the psychology faculty and require candidates to submit GRE scores.

In concordance with the American Psychology Association's guidelines (2012) for best practices in psychology majors, the undergraduate major in psychology is expected to:

1. Demonstrate Scientific Inquiry and Critical Thinking Skills
   - 1.1 Use scientific reasoning to interpret behavior
   - 1.2 Demonstrate psychology information literacy
   - 1.3 Engage in innovative and integrative thinking and problem solving
   - 1.4 Interpret, design, and conduct basic psychological research
2. Practice Ethical and Social Responsibility
   - 2.1 Apply ethical standards to evaluate psychological science and practice
   - 2.2 Promote values that build and enhance academic integrity
   - 2.3 Adopt values that build community at local, national, and global levels
3. Communicate Effectively
   - 3.1 Demonstrate effective writing
   - 3.2 Exhibit effective presentation skills
   - 3.3 Interact effectively with others
4. Engage in Professional Development
   - 4.1 Apply psychological content and skills to career goals
   - 4.2 Exhibit self-efficacy and self-regulation
   - 4.3 Develop meaningful professional direction for life after graduation

5. Demonstrate a Knowledge Base in Psychology
    5.1 Describe key concepts, principles, and overarching themes in psychology
    5.2 Develop a working knowledge of psychology's content domains
    5.3 Describe applications of psychology

Human Services Major

An undergraduate degree in human services prepares students for a career helping specific populations in the realm of social services in a role such as a case manager, counselor, or advocate within workplace settings such as a governmental agency, healthcare organization, or non-profit organization that provides human and social services.

The major combines the applied aspects of psychology and sociology and is designed to prepare students to work in settings such as group homes; correctional facilities; mental health facilities; family, child and youth service agencies; and programs related to alcoholism, drug abuse, domestic violence, and aging.

Students must have at least a 2.00 GPA in all major courses. This includes all courses with the HUS, PSYC, and SOCI designations, including electives and courses taken as part of General Education requirements.

Human Services Minor

Human services is an academic area related to employment as a case manager, counselor, or advocate within workplace settings, such as a governmental agency, healthcare organization, or non-profit organization that provides human and social services. These settings include group homes; correctional facilities; mental health facilities; family, child and youth service agencies; and programs related to alcoholism, drug abuse, domestic violence, and aging. This minor is open to all students, except for those majoring in Human Services.

Students majoring in either Psychology or Sociology are particularly encouraged to consider this minor as an area of study because of the many career opportunities that are linked to human services.

NOTE: SOCI 101 and PSYC 101 or PSYC 102 are prerequisites for many of the courses in the minor.
* = SOCI 202 is a prerequisite for these courses.

The minor consists of 18 credit hours distributed as follows:

Core Courses (9 credit hours)

HUS 201: Introduction to Human Services	3
PSYC 203: Developmental Psychology	3
PSYC 212: Interviewing and Counseling	3

Electives (a minimum of 9 credit hours from at least 2 disciplines)

HUS 322: Marriage and Family Therapy
HUS 337: Crisis Intervention and Prevention
HUS 389: Special Populations
PSYC 303: Psychology of Aging
PSYC 311: Community Psychology
PSYC 314: Psychology of Childhood
PSYC 315: Adolescent Development
PSYC 362: Health Psychology
PSYC 371: Special Topics in Human Services
PSYC 405: Death and Dying
*SOCI 314: Social Welfare Policies and Programs
SOCI 315: Non-Profit Organizations
*SOCI 317: Case Management
*SOCI 321: Medical Sociology
SOCI 322: Sociology of Mental Health
SOCI 351: Sociology of Family
SOCI 361: Sociology of Aging

Total Hours 18

Pre-Social Work Minor

The objective of the pre-social work minor is to familiarize students with conditions in social environments that impact children, families, and communities. A major focus is to increase student's knowledge of the social service system, social welfare programs, and varying types of interventions social workers utilize to address these issues, as well as areas that address comprehensive solutions to society's major problems.

This minor does not prepare students for professional social work practice nor for state social work licensure. Course work in sociology, human services, and psychology offers good preparation for graduate study in social work. This minor is designed to optimally prepare students with the knowledge most relevant to their pursuit of graduate training in social work.

The minor consists of 18 credit hours distributed as follows:

Core Courses (12 hrs.)

SW 311: Introduction to Social Work	3 hrs.
SW 312: Human Behavior in the Social Environment	3 hrs.
SW 314: Social Welfare Policies and Programs	3 hrs.
SW 317: Social Work Intervention	3 hrs.

Elective Courses (a minimum of 6 hrs. from the following)

HUS 322: Marriage and Family Therapy	3 hrs.
HUS 337: Crisis Intervention and Prevention	3 hrs.
HUS 389: Special Populations	3 hrs.
PSYC 389: Cultural Competence	3 hrs.
SOCI 322: Sociology of Mental Health	3 hrs.
Total Hours	18 hrs.

Notes:

Many courses in this minor have pre-requisites, such as:

- PSYC 101: General Psychology or PSYC 102: Introduction to Psychology for Majors for the Psychology courses.
- SOCI 101: Introduction to Sociology for the Sociology courses, and
- HUS 201: Introduction to Human Services for Human Services courses.

A student must maintain an average of 2.00 or above in the courses taken for the pre-social work minor.

The minor is available to all students from across the University. For further information, contact the Department of Psychological Science and Human Services.

Psychology Minor

A minor in psychology consists of 18 credit hours distributed as follows:

PSYC 101 or PSYC 102	3
Electives:	
PSYC Elective	3
PSYC Elective	3
PSYC Elective (300-Level or above)	3
PSYC Elective (300-Level or above)	3
PSYC Elective (300-Level or above)	3
TOTAL	18

Note: A student must take at least nine hours at the 300 level or above, earn no less than a "C" in PSYC 101 or PSYC 102, and maintain an average of 2.00 or above in the courses taken for the psychology minor.

(For further information, contact the Department of Psychological Science and Human Services.)

Child and Family Studies Minor

The objective of the child and family studies minor is to encompass the entire life cycle while examining childhood and family as a developmental process. A major focus is to facilitate an understanding of the entire developmental process through the dynamics of relationships within family units and through a cross-cultural analysis of the diversity of family systems.

The minor consists of 18 credit hours distributed as follows:

Core Courses: 9 credit hours

**PSYC 314: Psychology of Childhood	3
**PSYC 315: Adolescent Development	3
*SOCI 317: Case Management or SOCI 351: Sociology of Family	3

Electives: Minimum of 9 credit hours from at least two disciplines.

ECED 222: Young Child Growth and Development or SPED 223: Students with Diverse Learning Needs	3
HUS 322: Marriage and Family Therapy	3
PEES 325: Human Sexuality	3
PSYC 303: Psychology of Aging	3
PSYC 360: Psychology of Gender	3
PSYC 405: Death and Dying	3
PSYC 416: Childhood Psychopathology	3
SOCI 314: Social Welfare Policies and Programs	3
*SOCI 317: Case Management or SOCI 351: Sociology of Family	3
*SOCI 328: Sociology of Gender	3
SOCI 361: Sociology of Aging	3
TOTAL	18

Note: Many courses in the minor have pre-requisites, such as PSYC 101 General Psychology or PSYC 102 Introduction to Psychology for Majors for the psychology courses and SOCI 101 Introduction to Sociology for the sociology courses.

A student must maintain an average of 2.00 or above in the courses taken for the Child and Family Studies minor. The minor is available to all students from across the University. For further information, contact the Department of Psychological Science and Human Services.

* These courses have a pre-requisite of SOCI 202: Social Problems.

** These courses have a pre-requisite of PSYC 203: Developmental Psychology

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: HUMAN SERVICES

Credit Hours

UNIVERSITY REQUIREMENT

FALS 101: Fine Arts and Lecture Series (Temporarily suspended) 0

GENERAL EDUCATION REQUIREMENTS
(For approved courses, see General Education: www.lander.edu/gen-ed.)

A. Core Academic Skills (9 hours)
*ENGL 101: Writing and Inquiry I 3
*ENGL 102: Writing and Inquiry II 3
*MATH 211: Statistical Methods I 3

B. Humanities and Fine Arts 6
(6 hours selected from 2 different disciplines)

C. Behavioral and Social Perspectives
*SOCI 101: Introduction to Sociology 3
*PSYC 101: General Psychology 3

D. Scientific and Mathematical Reasoning 7
(7 hours selected from 2 different disciplines, 1 lab science required)

E. Founding Documents of the United States 3
*POLS 101: American National Government

F. World Cultures 3

G. LINK 101: Leadership, Involvement, Networking and Knowledge 1

LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.

TOTAL GENERAL EDUCATION REQUIREMENTS 35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS

*HUS 201: Introduction to Human Services 3
HUS 217: Drug and Alcohol Counseling or
HUS 235: Group Dynamics 3
HUS 322: Marriage and Family Therapy, HUS 337: Crisis Intervention
and Prevention, or HUS 389: Special Populations 3
*HUS 499: Senior Seminar 3
PSYC 203: Developmental Psychology 3
PSYC 212: Interviewing and Counseling 3
*SOCI 202: Social Problems 3
*SOCI 398: Methods of Social Research or
HUS 300: Program Evaluation 3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

Budgeting and Non-Profits 3
POLS 318: Public Budgeting or
SOCI 315: Non-Profit Organizations

Developmental Psychology and Well-Being (choose 3 hours from the following) 3

PSYC 303: Psychology of Aging
PSYC 312: Systems of Psychotherapy
PSYC 314: Psychology of Childhood
PSYC 315: Adolescent Development
PSYC 362: Health Psychology
PSYC 405: Death and Dying
PSYC 416: Childhood Psychopathology
SOCI 322: Sociology of Mental Health

Healthcare and Social Welfare (choose 3 hours from the following) 3

PSYC 311: Community Psychology
SOCI 314: Social Welfare Policies and Programs
SOCI 317: Case Management
SOCI 321: Medical Sociology

MAJOR PROGRAM ELECTIVES

200-level CRIM, HUS, PSYC, or SOCI electives	9
300-level or above HUS, PSYC, or SOCI electives or CRIM 350 or CRIM 390	6
TOTAL MAJOR PROGRAM REQUIREMENTS	48
ADDITIONAL ELECTIVES	37

At least 6 hours must be 300-level or above
The remaining hours may be at any level

TOTAL FOR BS DEGREE	120

* Students must earn "C" or better.

Coursework must include at least 30 credit hours earned in 300-level or above, of which 12 credit hours must be in the major

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: PSYCHOLOGY

Credit Hours

UNIVERSITY REQUIREMENT

FALS 101: Fine Arts and Lecture Series (Temporarily suspended) 0

GENERAL EDUCATION REQUIREMENTS

(For approved courses, see General Education: www.lander.edu/gen-ed.)

A. Core Academic Skills (9 hours)
*ENGL 101: Writing and Inquiry I 3
*ENGL 102: Writing and Inquiry II 3
Mathematics 3

B. Humanities and Fine Arts 6
(6 hours selected from 2 different disciplines)

C. Behavioral and Social Perspectives 6
(6 hours selected from 2 different disciplines)

D. Scientific and Mathematical Reasoning 7
(7 hours selected from 2 different disciplines, 1 lab science required)

E. Founding Documents of the United States 3
HIST 111: United States History to 1877 or
POLS 101: American National Government

F. World Cultures 3

G. LINK 101: Leadership, Involvement, Networking and Knowledge 1

LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.

TOTAL GENERAL EDUCATION REQUIREMENTS 35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS

*PSYC 102: Introduction to Psychology for Majors 3
*PSYC 190: Careers in Psychology 1
*PSYC 203: Developmental Psychology 3
*PSYC 261: Quantitative and Research Skills 6
*PSYC 330: Methods and Logic of Behavioral Research 4
*PSYC 499: Senior Seminar 2

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

Experiential Learning (choose one of the following courses) 1
PSYC 220: Instructional Mentorship
PSYC 221: Undergraduate Research
PSYC 299: Psychological Fieldwork

MAJOR PROGRAM ELECTIVES	
100-level or above psychology courses	6
300-level or above psychology courses	12
TOTAL MAJOR PROGRAM REQUIREMENTS	38
ADDITIONAL ELECTIVES	47
At least 12 credit hours may need to be 300-level or above The remaining 35 hours may be 100-level or above	
TOTAL FOR BS DEGREE	120

* Students must earn "C" or better.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC)

The Army Reserve Officers' Training Corps (ROTC) program at Lander University is designed to enhance a student's college education by providing unique training and practical experience in leadership and management – qualities essential to success in any career. The military science curriculum consists of a two-year basic course followed by the two-year advanced course. Upon graduation, contracted cadets who have successfully completed ROTC training are awarded a commission as a second lieutenant in the U.S. Army, U.S. Army National Guard, or the U.S. Army Reserve.

The first-year basic course introduces the student to the Army and develops a Cadet who accepts the Army as a values-based organization and embraces the scholar-athlete-warrior ethos. The student develops familiarity with individual roles and responsibilities in support of team efforts and problem-solving processes in military and non-military situations, demonstrates oral and written communication skills, understands resilience, and demonstrates a commitment to learning. The focus is on developing basic knowledge and comprehension of Army leadership dimensions, attributes and core leader competencies while gaining an understanding of the ROTC program, its purpose in the Army, and its advantages for the student.

To prepare students to become commissioned officers, the ROTC program combines college courses in military science and leadership with summer training. The military science curriculum consists of a two-year basic course and a two-year advanced course.

The basic course is normally taken during the freshman and sophomore years and covers management principles, national defense, military history, leadership development, military courtesy, customs and traditions of the military, and physical training. Students do not incur any military obligation for participation in the basic course. Some or all of the basic course requirements may be waived by the Professor of Military Science for students who have completed Junior ROTC programs or have previous military experience.

The advanced course is limited to contracted cadets or students who have completed (or have received credit for) the basic course, who have demonstrated the leadership and scholastic potential to become an officer, and who are actively seeking to become a contracted cadet. The course provides instruction in advanced leadership development, military history, training management, organization and management techniques, tactics, logistics, and the military justice system.

All students enrolled in the ROTC advanced course receive a monthly allowance of up to $500 for 10 months of the school year. Advanced course students attend the Leadership Development and Assessment Course (LDAC) at Fort Lewis, Washington. This course occurs during the summer between their junior and senior years. Students receive travel expenses, room and board, medical and dental care, and a salary while attending this course.

Both men and women may enroll in ROTC and apply for Army ROTC scholarships or may contract as a cadet and enter into the commissioning process without a scholarship. High school seniors applying to Lander University may compete for four-year, merit-based scholarships. Lander University first-year students may apply for three-year scholarships. Sophomores may apply to attend the 30-day Leadership Training Course at Fort Knox, Kentucky, where they may win a 2-year scholarship. Similar opportunities may also exist for juniors and select seniors in certain instances.

In order to become a contracted cadet, a student must schedule a military physical through the ROTC department with a resulting status of "qualified." In addition, the student must meet minimum physical fitness requirements and maintain a minimum GPA of 2.00 without a scholarship or 2.50 with a scholarship.

The second-year basic course strengthens a Cadet grounded in foundational leadership doctrine and skills by following and leading small units to achieve assigned missions. The Cadet applies critical thinking and problem solving using Troop Leading Procedures, comprehends the value of diversity and understands the officer's role in leading change, and understands the fundamentals of the Army as a profession.

Students do not incur any military obligation for participation in the basic course. Some or all of the basic course requirements may be waived by the Professor of Military Science for students who have completed Junior ROTC programs, have previous military experience, or attend Basic Camp at Fort Knox, KY.

The advanced course is a rigorous two-year program comprised of four courses, leadership labs (two sets, fall and spring), and Advanced Camp conducted at Fort Knox, KY. The overall objective of this course is to integrate the principles and practices of effective leadership, military operations, and personal development in order to adequately prepare the Cadet for Advanced Camp and commissioning as a Second Lieutenant.

The ROTC course outcomes are derived from the four Army learning areas: The Army Leadership and Profession, Mission Command, Human Dimension, and Professional Competence as established by the Army Learning Coordination Council. These outcomes are designed to prepare the newly commissioned Second Lieutenant to excel at the Basic Officer Leader Course B (BOLC B) and as a junior officer at their first unit of assignment.

Prospective and enrolled Cadets may compete for two, three, and four-year scholarships, as available. Scholarship and non-scholarship Cadets, when qualified and contracted, receive a monthly stipend of up to $500 each semester and become eligible for summer training and internship opportunities such as Airborne and Air Assault School, the U.S. Army Medical Department (AMEDD) Internship and Nurse Summer Training Programs; and study abroad in the Cultural Understanding and Leadership Program (CULP).

In addition to the Army ROTC curriculum, the Department also offers the Military Science and Leadership Minor, as detailed below.

Please see the Department of Military Science or visit www.goarmy.com/rotc for further information.

Lander University is a partnership school with Presbyterian College's Army ROTC program. Military Science classes are taught at Lander University, yet Cadets will periodically train with fellow cadets from Presbyterian College and Newberry College during outdoor leadership lab sessions.

Military Science and Leadership Minor

This minor is designed to permit ROTC cadets to earn a minor while completing their requirements toward a commission as an officer in the United States Armed Forces. It can only be earned by students who agree to and are accepted for a commission as an officer in the U.S. Army, U.S. Army Reserve, or National Guard. To qualify for the minor, a student must complete the Army ROTC basic courses and must be an accepted contracted student in the Army ROTC Advanced Course.

The Department of Military Science provides each student with academic advisement to help students obtain a major in an academic discipline plus a minor in Military Science and Leadership while fulfilling the course requirements for commission as an officer in the Armed Forces.

The minor in Military Science and Leadership consists of 18 credit hours in advanced military science and courses that count toward professional military education. While the minor consists of 18 hours of advanced courses, the listing below does not show that up to 10 credit hours of the prerequisites are required for MSL 301. The Professor of Military Science may waive some of the basic course prerequisites based on a student's prior military service or military training.

Participation in this minor is contingent upon completion of the ROTC basic courses and acceptance as a contracted student in the Army ROTC Advanced Course.

	Credit Hours
MSL 301: Training Management and the Warfighting Functions (Prerequisites: MSL101, MSL 102, MSL 201, and MSL 202)	4
MSL 302: Applied Leadership in Small Unit Operations	4
MSL 401. The Army Officer	4
Two of the following 3 hr. courses:	6
HIST 347: The United States and the Cold War, 1945-1991	
HIST 383: Warfare through the Ages	
HIST 391: America as a Major World Power: U.S. Foreign Relations 1912 to the Present	
MSL 371: Special Topics in Military Science and Leadership	
POLS 303: International Relations	

POLS 325: International Conflict and Terrorism
POLS 445: American Foreign Policy

Total Hours 18

COLLEGE OF BUSINESS

Michael J. Fekula, Ph.D.
Dean College of Business
Professor of Management

Michael G. Brizek, Ph.D.
Assistant Dean of Online and Outreach Programs
Professor of Management

Jody L. Chapman, Administrative Assistant
Kayla Davis, Administrative Assistant

Aref Aghaei-Hervani, Ph.D.
Associate Professor of Economics
Abdul-Aziz Bahha, Ph.D.
Assistant Professor of Management
David L. Bell, MBA
Lecturer of Finance
John M. Downs, DBA
Assistant Professor of Finance
David Fowler, Ph.D.
Assistant Professor of Business Administration
Kelli S. Horne, DBA
Assistant Professor of Accounting
Michael Houston, MBA
Lecturer of Marketing
Asole TaQuesa McLeod, Ph.D.
Assistant Professor of Health Care Management
Gail D. Moore, JD
Professor of Accounting
Matthew R. Peters, Ph.D.
Associate Professor of Management
Cherie Rains, Ph.D.
Assistant Professor of Marketing
Michael C. Shurden, DBA
Professor of Management
Susan D. Shurden, Ph.D.
Assistant Professor of Accounting
David Zinn, Ed.D.
Assistant Professor of Sports Management

COLLEGE OF BUSINESS
PROGRAMS OF STUDY

Degree Programs

BA in Entrepreneurship

BAS in Business Administration

BS in Business Administration
- with Emphases in
  - Accounting
  - Financial Services
  - Health Care Management
  - Hospitality Management
  - Information Technology (IT) Management
  - Management/Marketing
  - Sports Management

MBA Master of Business Administration (Please see the Lander University Graduate Catalog for details)
MSM Master of Science in Management (Please see the Lander University Graduate Catalog for details)

COLLEGE OF BUSINESS

The mission of the College of Business is to offer an applied business education so that graduates may embark on successful professional careers or graduate school. Results are delivered through a high level of interaction between students and faculty, providing hands-on and innovative learning experiences. The College impacts the knowledge base of business and the economic health of the region by engaging in professional and scholarly activity.

The goals for the College of Business are that Lander business administration graduates will:

1. be effective oral and written communicators
2. understand the fundamental concepts of teamwork and demonstrate the ability to work in teams;
3. have a clear perception of business ethics;
4. possess business knowledge; and
5. be capable problem solvers

Bachelor of Applied Science (BAS) Business Administration Major

The Bachelor of Applied Science in Business Administration provides students who have completed an Associate of Applied Science or have accumulated undergraduate credits from an accredited institution a pathway for completion of the baccalaureate degree. The program is designed to aid students in completing a bachelor's degree and gaining essential advanced managerial and analytical skills needed in the workforce.

Students who complete the B.A.S. in Business Administration degree will have a broad knowledge of management principles and skills and an in-depth understanding of business practices offered in this degree.

Bachelor of Science (BS) Business Administration Major

Students majoring in Business Administration may select from seven emphases: Accounting, Financial Services, Health Care Management, Hospitality Management, Information Technology (IT) Management, Management / Marketing, and Sports Management.

Accounting Emphasis

Students selecting the emphasis in Accounting are required to take six specified courses, one business elective, and at least two accounting elective courses. The elective courses may be chosen based on the student's areas of interest.

Students who graduate with an accounting emphasis should meet the qualifications to sit for the CPA exam in South Carolina; however, to be licensed as a CPA in South Carolina, 150 credit hours of education are required. The 150-hour requirement must include 36 hours of accounting with 24 of these hours at the 300 level or above. Business courses totaling 36 hours are also required as part of the 150 hours. Lander University students may meet the 150-hour requirement by completing the baccalaureate degree requirements at Lander (approximately 120 credit hours) plus additional credit hours sufficient to meet the 150-hour requirement. For more details, students should see their academic advisors. Also, please note that CPA licensing requirements vary from state to state, and students planning to practice outside of South Carolina should check with the Boards of Accountancy in the appropriate states.

The 150-hour requirement does not apply to accounting students who pursue careers that do not require the CPA license.

Financial Services Emphasis

The objective of the Financial Services emphasis is to build a broad-based program for undergraduate students that include studies in Commercial Banking, Insurance and Risk Management, Investments and Wealth Management, and Real Estate. The curriculum is designed to give students a solid foundation in the industry segment and will include insights of subject matter from professors, respected practicing professionals and representative industry groups. Anticipated growth in employment opportunities in the financial services businesses will provide graduates opportunities to become industry professionals and leaders for the 21st century.

Health Care Management Emphasis

The purpose of the Health Care Management emphasis is to integrate the fundamentals of business administration with a comprehensive knowledge of the U.S. health care delivery system. The emphasis is designed to enable

qualified students to acquire the skills and knowledge needed to be successfully employed by various healthcare service organizations.

Hospitality Management Emphasis

The Hospitality Management emphasis focuses on the integration of management skills and foundations as it is applied to the hospitality and tourism industries. Courses in the emphasis will provide an in-depth review and discovery of several industry sectors such as foodservice, lodging, meeting and event planning, and transportation. Courses will focus on the operations management standards and delivery within this industry and other service-oriented entities.

Information Technology (IT) Management Emphasis

The IT Management emphasis provides a broad knowledge of management principles and skills and an in-depth understanding of business practices including IT systems and cybersecurity. This degree program is a collaboration between the College of Business and the Department of Mathematics and Computing.

Management/Marketing Emphasis

The Management/Marketing emphasis focuses on the ways in which organizational objectives are developed, implemented, and changed for processes that add value for stakeholders. Management courses emphasize decision-making skills and the selection, motivation, and development of human resources. Marketing courses focus on the ways an organization can meet customer needs through product development and distribution and through promotional and pricing strategies.

Sports Management Emphasis

The sports management emphasis provides students with an integrated academic learning environment for understanding the challenges in the business of sport. Successful candidates for the sports management degree will demonstrate understanding of the nature of the sport industry including knowledge of the qualifications, job requirements, and working conditions for a sport industry position.

Requirements for the Business Administration Major

Students pursuing the Bachelor of Science degree in Business Administration are assigned an advisor from the College of Business. Advisors will assist students in planning their coursework to meet school requirements and procedures. In order to continue as a business major, students must meet the requirements stated below.

Course Grade Requirements

All business majors must earn a grade of "C" or better in ECON 101, ENGL 101, ENGL 102, MATH 121, and MATH 211 and in all of the Major Program Core Requirements, Major Program Additional Requirements, and Major Program Emphasis Requirements (as defined in the Program Requirements for each emphasis area in Business Administration).

Enrolling in Upper-Level Business Courses

In order to enroll in the upper-level Business courses, Business majors must earn a grade of "C" or better in all prerequisites.

Transfer Students

Transfer students from other divisions within the University or from other accredited institutions are required to meet the requirements listed for current students. Grades of less than "C" will not be accepted for transfer credit from other institutions. Courses offered at the upper level (courses numbered 300 or above) at Lander University will not transfer from a junior or technical college unless those courses are identified as transferable in an approved articulation agreement.

Students in Other Departments

Students in other departments of the University who wish to take lower-level business courses are required to meet the prerequisite requirements for each course and the grade requirements as listed for those prerequisites. Students in other departments who wish to take business courses at the 300 level or above must meet the prerequisites listed below for the minors in business administration or health care management.

The Dean of the College of Business will consider exceptions to all of the preceding requirements on an individual basis.

Business Administration Minor

The College of Business offers a minor in business administration. Non-business administration majors who have declared a minor in business administration must complete the 18-credit program of study as shown below with a "C" or better in each course. Before enrolling in upper-level courses, students must have completed each of the following prerequisites with a "C" or better: BA 101, and MATH 211.

Courses	Credit Hours
ACCT 201: Financial Accounting Principles	3
ECON 101: Economics in Society	3
(ECON 201 or ECON 202 – will be accepted for ECON 101)	
MGMT 201: Principles of Management	3
MKT 201: Principles of Marketing	3
FINA 301: Corporate Finance	3
Elective: any business course at the 300-level or above	3
TOTAL HOURS	18

Entrepreneurship Minor

The College of Business offers a minor in entrepreneurship. Non-business administration majors who have declared a minor in entrepreneurship must complete the 18-credit program of study as shown below with a "C" or better in each course. Prerequisites for MGMT 320, MGMT 325, and MKT 340 will be waived for students who are not majoring in Business Administration.

The Entrepreneurship minor consists of 18 semester hours of courses distributed as follows:

BA 251: Legal Environment of Business	3
BA 360: Organizational Fundraising	3
FINA 151: Personal Finance 3	
MGMT 320: Management of Small and Family Business	3
MGMT 325: Entrepreneurship and Innovation	3
MKT 340: Social Media Marketing	3
TOTAL HOURS	18

Esports Management and Administration Minor

The College of Business offers a minor in Esports Management and Administration. Non-business administration majors who have declared a minor in Esports Management and Administration must complete the 18-credit program of study with a "C" or better in each course.

The 18 hours of minor requirements:

Courses	Credit Hours
MEDA 215: Introduction of Sports Communication	3
ESPM 201: Introduction to Esports	3
ESPM 225: Esports Project and Event Management	3
ESPM 235: Esports Management and Administration	3
SPTM 101: Introduction to Sports Management	3
SPTM 302: Introduction to Sports Marketing	3
TOTAL HOURS	18

Health Care Management Minor

The College of Business offers a minor in health care management. Non-business administration majors who have declared a minor in health care management must complete the 18-credit program of study with a "C" or better in each course. Before enrolling in upper-level courses, students must have completed each of the following prerequisites with a "C" or better: BA 101, and MATH 211.

Courses	Credit Hours
ACCT 201: Financial Accounting Principles	3

ECON 101: Economics in Society	3
(ECON 201 or ECON 202 – will be accepted for ECON 101)	
HCMT 201: Health Care in America	3
HCMT 315: Public Health Principles and Practices, or	
HCMT 402: Long term Care Management, or	
HCMT 411: Quality Improvement and Quantitative Technique	3
MGMT 201: Principles of Management	3
MGMT 315: Human Resource Management	3
TOTAL	18

International Business Minor

The College of Business, in collaboration with the faculty of Business, Law and Sport at the University of Winchester in the United Kingdom, offers a minor in International Business to Lander students in all disciplines. The minor requires a semester of study abroad at Winchester, per the agreement between Lander University and the University of Winchester. Students must have a 3.0 GPA and have completed at least two full semesters of college-level studies to be eligible to study abroad. The minor consists of eighteen credit hours, either 6 or 9 credit hours taken at Lander and either 9 or 12 credit hours taken at Winchester, distributed as follows:

Required Courses at Lander University	6 or 9 credit hours
BA 390 International Business	3
Electives at Lander University:	3 or 6 credit hours
Any one or two among the following courses, to be selected in consultation with the student's advisor and the Director of Study Abroad	
BA 351 Business Ethics (recommended for all majors)	
ACCT 201, BA 251, FINA 301, MGMT 201 or MKT 201 (recommended for non-business majors only.) (Some of these courses may have prerequisites)	
Any other 300-level BA, MGMT, MKT, FINA or ACCT course offered by the College of Business (Some of these courses may have prerequisites)	
**A minimum of six credit hours toward the minor must be completed at Lander.	
Required Modules (courses) at University of Winchester	9 or 12 credit hours
Any three or four level 5 or level 6 business modules from the University of Winchester, to be selected in consultation with the student's advisor and the Director of Study Abroad.	
TOTAL	18

Sports Management Minor

The Sports Management minor provides students with an integrated academic learning environment for understanding the challenges in the business of sport. Successful candidates for the sports management minor will demonstrate understanding of the nature of the sports industry including knowledge of the qualifications, job requirements, and working conditions for a sport industry position. Students must complete the sports management internship in collaboration with the advisor in their major area of study.

The Sports Management Minor consists of 18 credit hours of courses distributed as follows:

Courses	**Credit Hours**
Core Required Courses (7-9 credit hours)	
SPTM 101: Introduction to Sports Management	3
SPTM 301: Principles of Sports Management, or	
MGMT 201: Principles of Management, or	
PEES 308: Organization and Administration of Exercise-Related Professions	3
SPTM 490: Internship in Sports Management	
(Sport-related internship in related major. Students must earn a grade of "B"	

or better for the internship to count toward the minor requirements.)	1-3
Nine to twelve hours from among the following (courses taken in the core cannot count as an elective):	
HIST 344: Sport in American History	3
MEDA 215: Sports Communication	3
MEDA 341: Introduction to Public Relations	3
MEDA 360: Writing for Multiple Media	3
PEES 308: Organization and Administration of Exercise-Related Professions SPMT 301: Principles of Sports Management or MGMT 201: Principles of Management)	3
PEES 424: Sports Psychology	3
SOCI 356: Sociology of Sports and Leisure	3
SPTM 302: Principles of Sports Marketing	3
TOTAL HOURS	18

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF ARTS
MAJOR: ENTREPRENEURSHIP

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
*ENGL 101: Writing and Inquiry I	3
*ENGL 102: Writing and Inquiry II	3
*MATH 211: Statistical Methods I	3
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
*SOCI 101: Introduction to Sociology	3
Behavioral and Social Perspectives course	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 121: Mathematical Applications	3
Laboratory Science	4
E. Founding Documents of the United States	3
*POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
ACCT 201: Financial Accounting Principles	3
ACCT 202: Managerial Accounting Principles	3
BA 101: Introduction to Business	3
BA 250: Business Analysis Using Spreadsheets	3
BA 251: Legal Environment of Business	3
BA 360: Organizational Fundraising	3
FINA 151: Personal Finance	3
MGMT 201: Principles of Management	3
MKT 201: Principles of Marketing	3
MGMT 315: Human Resource Management	3
MGMT 320: Management of Small and Family Business	3
MGMT 325: Entrepreneurship and Innovation	3
MKT 340: Social Media Marketing	3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

Business Writing

WRIT 275: Business Communications	3
(Choose 6 hours from the following)	6
WRIT 276: Public Writing and Research	
WRIT 350: Professional Revising and Editing	
WRIT 373: Writing and Research Methods	
WRIT 450: Technical Writing	

Human and **Social Discovery** (choose 12 hours from the following) 12

ECON 315: Economics of Public Policy
ECON 321: Environmental Economics
ECON 352: Topics of Economics
POLS 331: Political Philosophy
POLS 350 : Political Psychology
PSYC 306 : Psychology of Personality
PSYC 308 : Social Psychology
PSYC 311: Community Psychology
PSYC 360: Psychology of Gender
PYSC 362: Health Psychology
SOCI 227: Social Movements
SOCI 228: Popular Culture and the Mass Media
SOCI 275 : Social Stratification
SOCI 301 : Race and Ethnic Relations
SOCI 302 : Comparative Social Institutions
SOCI 315: Non-Profit Organizations
SOCI 328: Sociology of Gender
SOCI 351: Sociology of Family
SOCI 356: Sociology of Sports and Leisure
SOCI 363: Environmental Sociology
SOCI 397: Sociology of Risk

Creativity and Innovation (choose 12 hours from the following) 12

ART 301: Art, Culture, and Community
DES 305: Web Design I
DES 405: Web Design II
DES 304: Logo and Branding Design
DES 310: Social Media and Networking I
DES 404: Logo and Branding Design II
DES 410: Social Media and Networking II
MEDA 101: Introduction to Mass Media
MEDA 200: Media Skills
MEDA 204: Communication Design
MEDA 311: The Art of the Podcast
MEDA 341: Introduction to Public Relations
MEDA 345: Advertising Strategies and Design
MEDA 350: Web Distribution
MEDA 351: Social Media
MEDA 380: Special Topics in Global Media
THTR 200: Acting I
THTR 301: Special Topics in Theater

MAJOR PROGRAM ELECTIVES	
300-level or above ACCT, BA, FINA, MGMT. MKT, HOSP, SPTM elective	6
TOTAL MAJOR PROGRAM REQUIREMENTS	78
ADDITIONAL ELECTIVES	7
TOTAL FOR BA DEGREE	120

*Must earn a grade of "C" or better

Coursework must include at least 30 hours earned in 300 or above level courses, of which 12 hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF APPLIED SCIENCE
MAJOR: BUSINESS ADMINISTRATION

	Credit Hours
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (6 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	6
ECON 101: Economics in Society or ECON 201 or ECON 202	3
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	
(6 hours selected from 2 different disciplines)	
MATH 211.Statistical Methods I	3
Science and Mathematical Reasoning elective	3
E. **State Founding Documents Requirement**	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
TOTAL GENERAL EDUCATION REQUIREMENTS	30
MAJOR PROGRAM CORE REQUIREMENTS	
BA 304: Management Information Systems	3
BA 325: Advanced Analytical Methods	3
BA 414: Business Strategy	3
FINA 301: Corporate Finance	3
MGMT 201: Principles of Management	3
MGMT 315: Human Resource Management	3
MGMT 325: Entrepreneurship and Innovation	3
MGMT 330: Operations Management	3
MKT 201: Principles of Marketing	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
Business Administration electives (Any 300- or 400-level Business courses from ACCT, BA, ECON, FINA, HCMT, MGMT, MKT, or SPTM)	9
TOTAL MAJOR PROGRAM REQUIREMENTS	36
ADDITIONAL ELECTIVE REQUIREMENTS (Up to 54 credit hours of courses transferred from a regionally accredited 2- or 4-year institution)	54
TOTAL FOR BAS DEGREE	120

All courses required for this degree program will be offered through Online delivery.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: BUSINESS ADMINISTRATION
EMPHASIS: ACCOUNTING

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Select one of the following (MATH 121 preferred):	3
MATH 121: Mathematical Applications	
MATH 123: Calculus and its Applications	
MATH 141: Single Variable Calculus I	
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
ECON 101: Economics in Society	3
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines; 1 lab science required)	
MATH 211: Statistical Methods I	3
Laboratory Science	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS	
ACCT 201: Financial Accounting Principles	3
ACCT 202: Managerial Accounting Principles	3
BA 101: Introduction to Business	3
BA 226: Introduction to Analytical Methods	3
BA 250: Business Analysis Using Spreadsheets	3
BA 251: Legal Environment of Business	3
BA 299: Professional Development I	1
BA 304: Management Information Systems	3
BA 325: Advanced Analytical Methods	3

BA 399: Professional Development II	1
BA 414: Business Strategy	3
BA 499: Professional Development III	1
FINA 301: Corporate Finance	3
MGMT 201: Principles of Management	3
MGMT 330: Operations Management	3
MKT 201: Principles of Marketing	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
WRIT 275: Business Communications	3
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
ACCT 301: Intermediate Accounting I	3
ACCT 302: Intermediate Accounting II	3
ACCT 321: Income Tax I	3
ACCT 331: Cost/Management Accounting I	3
ACCT 402: Auditing I	3
ACCT 403: Accounting Information Systems	3
Business elective 300-level or above (ACCT, BA, ECON, HCMT, MGMT, MKT or SPTM)	3
Choose two from the following: ACCT 307: Governmental and Institutional Accounting ACCT 322: Income Tax II ACCT 332: Cost/Management Accounting II ACCT 352: Commercial Law ACCT 369: Special Topics in Accounting ACCT 490: Internships I ACCT 491: Internship II	6
TOTAL MAJOR PROGRAM REQUIREMENTS	72
ADDITIONAL ELECTIVES	13
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: BUSINESS ADMINISTRATION
EMPHASIS: FINANCIAL SERVICES

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Select one of the following (MATH 121 preferred):	3
MATH 121: Mathematical Applications	
MATH 123: Calculus and its Applications	
MATH 141: Single Variable Calculus I	
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
ECON 101: Economics in Society	3
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Statistical Methods I	3
Laboratory science	4
E. **Founding Documents of the United States**	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS	
ACCT 201: Financial Accounting Principles	3
ACCT 202: Managerial Accounting Principles	3
BA 101: Introduction to Business	3
BA 226: Introduction to Analytical Methods	3
BA 250: Business Analysis Using Spreadsheets	3
BA 251: Legal Environment of Business	3
BA 299: Professional Development I	1
BA 304: Management Information Systems	3

BA 325: Advanced Analytical Methods	3
BA 399: Professional Development II	1
BA 414: Business Strategy	3
BA 499: Professional Development III	1
FINA 301: Corporate Finance	3
MGMT 201: Principles of Management	3
MGMT 330: Operations Management	3
MKT 201: Principles of Marketing	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
WRIT 275: Business Communications	3
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
ACCT 369: Special Topics in Accounting	3
ECON 311: Money and Banking	3
FINA 308: Financial Services	3
FINA 310: Investments	3
FINA 311: Real Estate Principles	3
FINA 312: Insurance and Risk Management	3
FINA 352: Special Topics in Finance	3
Business elective – 300-level or above (ACCT, BA, ECON, HCMT, MGMT, MKT, or SPTM)	3
Emphasis elective – select one course from the following: ECON 352: Topics of Economics FINA 352: Special Topics in Finance (must be different topic than the required FINA 352) ACCT 301: Intermediate Accounting ACCT 321: Income Tax I ACCT 322: Income Tax II ACCT 352: Commercial Law FINA 490: Finance Internship	3
TOTAL MAJOR PROGRAM REQUIREMENTS	72
ADDITIONAL ELECTIVES	13
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: BUSINESS ADMINISTRATION
EMPHASIS: HEALTH CARE MANAGEMENT

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Select one of the following (MATH 121 preferred):	3
MATH 121: Mathematical Applications	
MATH 123: Calculus and its Applications	
MATH 141: Single Variable Calculus I	
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
ECON 101: Economics in Society	3
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Statistical Methods I	3
Laboratory science	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS

ACCT 201: Financial Accounting Principles	3
ACCT 202: Managerial Accounting Principles	3
BA 101: Introduction to Business	3
BA 226: Introduction to Analytical Methods	3
BA 250: Business Analysis Using Spreadsheets	3
BA 251: Legal Environment of Business	3
BA 299: Professional Development I	1
BA 304: Management Information Systems	3

BA 325: Advanced Analytical Methods	3
BA 399: Professional Development II	1
BA 414: Business Strategy	3
BA 499: Professional Development III	1
FINA 301:Corporate Finance	3
MGMT 201: Principles of Management	3
MGMT 330: Operations Management	3
MKT 201: Principles of Marketing	3
MAJOR PROGRAM ADDITIONAL REQUIREMENT	
WRIT 275: Business Communications	3
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
HCMT 201: Health Care in America	3
HCMT 311: Managed Care and Health Care Finance	3
HCMT 410: Health Care Systems	3
HCMT 490: Internship in Health Care Management	3
MGMT 315: Human Resource Management	3
Select 3 courses from the following list: HCMT 315: Public Health Principles and Practices HCMT 369: Special Topics in Health Care Management HCMT 402: Long Term Care Management HCMT 411: Quality Improvement and Quantitative Technique PUBH 325: Social Determinants of Health	9
TOTAL MAJOR PROGRAM REQUIREMENTS	69
ADDITIONAL ELECTIVES	16
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: BUSINESS ADMINISTRATION
EMPHASIS: HOSPITALITY MANAGEMENT

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Skills	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Select one of the following (MATH 121 preferred):	3
MATH 121: Mathematical Applications	
MATH 123: Calculus and its Applications	
MATH 141: Single Variable Calculus I	
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
ECON 101: Economics in Society	3
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Statistical Methods I	3
Laboratory science	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
ACCT 201: Financial Accounting Principles	3
ACCT 202: Managerial Accounting Principles	3
BA 101: Introduction to Business	3
BA 226: Introduction to Analytical Methods	3
BA 250: Business Analysis Using Spreadsheets	3
BA 251: Legal Environment of Business	3
BA 299: Professional Development I	1
BA 304: Management Information Systems	3

BA 325: Advanced Analytical Methods	3
BA 399: Professional Development II	1
BA 414: Business Strategy	3
BA 499: Professional Development III	1
FINA 301: Corporate Finance	3
MGMT 201: Principles of Management	3
MGMT 330: Operations Management	3
MKT 201: Principles of Marketing	3
MAJOR PROGRAM ADDITIONAL REQUIREMENT	
WRIT 275: Business Communications	3
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
MGMT 315: Human Resource Management	3
HOSP 101: Principles of Hospitality Management	3
HOSP 310: Purchasing and Cost Control	3
HOSP 315: Foodservice Operations Management	3
HOSP 320: Lodging Operations Management	3
HOSP 330: Hospitality Facilities Planning	3
HOSP 340: Managing Conventions and Meeting Planning	3
HOSP 350: Hospitality Operations Management	3
One business elective 300-level or above) (ACCT, BA, ECON, HCMT, HOSP, MGMT, MKT, or SPTM)	3
TOTAL MAJOR PROGRAM REQUIREMENTS	72
ADDITIONAL ELECTIVES	13
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: BUSINESS ADMINISTRATION
EMPHASIS: INFORMATION TECHNOLOGY (IT) MANAGEMENT

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Select one of the following (MATH 121 preferred):	3
MATH 121: Mathematical Applications	
MATH 123: Calculus and its Applications	
MATH 141: Single Variable Calculus I	
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines as shown)	
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
ECON 101: Economics in Society	3
Behavioral and Social Perspectives	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Statistical Methods I	3
1 lab science	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS	
ACCT 201: Financial Accounting Principles	3
ACCT 202: Managerial Accounting Principles	3
BA 101: Introduction to Business	3
BA 226: Introduction to Analytical Methods	3
BA 250: Business Analysis Using Spreadsheets	3
BA 251: Legal Environment of Business	3
BA 299: Professional Development I	1
BA 304: Management Information Systems	3

BA 325: Advanced Analytical Methods	3
BA 399: Professional Development II	1
BA 414: Business Strategy	3
BA 499: Professional Development III	1
FINA 301: Corporate Finance	3
MGMT 201: Principles of Management	3
MGMT 330: Operations Management	3
MKT 201: Principles of Marketing	3
MAJOR PROGRAM ADDITIONAL REQUIREMENT	
WRIT 275: Business Communications	3
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
CIS 120: Fundamentals of Info Systems and Info Technology	3
CIS 130: Problem Solving and Programming Methods	4
CIS 140: Networking Lab	1
CIS 243: Fundamentals of Cyber Security	3
CIS 250: Introduction to E-Commerce	3
CIS 260: Network and Systems Administration	3
CIS 343 : Computer Forensics	3
CIS 346: Cybersecurity Planning and Management	3
CIS 443: Special Topics	3
MKT 340: Digital Marketing	3
TOTAL MAJOR PROGRAM REQUIREMENTS	74
ADDITIONAL ELECTIVES	11
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: BUSINESS ADMINISTRATION
EMPHASIS: MANAGEMENT/MARKETING

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Select one of the following (MATH 121 preferred):	3
MATH 121: Mathematical Applications	
MATH 123: Calculus and its Applications	
MATH 141: Single Variable Calculus I	
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
ECON 101: Economics in Society	3
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Statistical Methods I	3
Laboratory science	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS	
ACCT 201: Financial Accounting Principles	3
ACCT 202: Managerial Accounting Principles	3
BA 101: Introduction to Business	3
BA 226: Introduction to Analytical Methods	3
BA 250: Business Analysis Using Spreadsheets	3
BA 251: Legal Environment of Business	3
BA 299: Professional Development I	1
BA 304: Management Information Systems	3

BA 325: Advanced Analytical Methods	3
BA 399: Professional Development II	1
BA 414: Business Strategy	3
BA 499: Professional Development III	1
FINA 301: Corporate Finance	3
MGMT 201: Principles of Management	3
MGMT 330: Operations Management	3
MKT 201: Principles of Marketing	3
MAJOR PROGRAM ADDITIONAL REQUIREMENT	
WRIT 275: Business Communications	3
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
MGMT 315: Human Resource Management	3
MGMT 325: Entrepreneurship and Innovation	3
MGMT 340: Management of Organizational Behavior	3
MKT 415: Marketing Research	3
MKT 420: Marketing Management	3
MKT 340: Social Media Marketing	3
One business elective 300-level or above) (ACCT, BA, ECON, HCMT, MGMT, MKT, or SPTM)	3
TOTAL MAJOR PROGRAM REQUIREMENTS	66
ADDITIONAL ELECTIVES	19
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: BUSINESS ADMINISTRATION
EMPHASIS: SPORTS MANAGEMENT

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Select one of the following (MATH 121 preferred):	3
MATH 121: Mathematical Applications	
MATH 123: Calculus and its Applications	
MATH 141: Single Variable Calculus I	
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	**6**
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	
ECON 101: Economics in Society	3
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Statistical Methods I	3
Laboratory Science	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS	
ACCT 201: Financial Accounting Principles	3
ACCT 202: Managerial Accounting Principles	3
BA 101: Introduction to Business	3
BA 226: Introduction to Analytical Methods	3
BA 250: Business Analysis Using Spreadsheets	3
BA 251: Legal Environment of Business	3
BA 299: Professional Development I	1
BA 304: Management Information Systems	3

BA 325: Advanced Analytical Methods	3
BA 399: Professional Development II	1
BA 414: Business Strategy	3
BA 499: Professional Development III	1
FINA 301: Corporate Finance	3
MGMT 201: Principles of Management	3
MGMT 330: Operations Management	3
MKT 201: Principles of Marketing	3
MAJOR PROGRAM ADDITIONAL REQUIREMENT	
WRIT 275: Business Communications	3
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
BA 360: Organizational Fundraising	3
MGMT 315: Human Resource Management	3
SPTM 101: Intro to Sports Management	3
SPTM 201: Principles of Sports Management	3
SPTM 302: Principles of Sports Marketing	3
SPTM 303: Legal Aspects of Sports	3
SPTM 305: Sports Event and Facility Management	3
SPTM 405: Financial Aspects of Sports	3
SPTM 490: Internship in Sports Management	3
One business elective 300-level or above) (ACCT, BA, ECON, HCMT, MGMT, or MKT or SPTM)	3
TOTAL MAJOR PROGRAM REQUIREMENTS	75
ADDITIONAL ELECTIVES	10
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

COLLEGE OF EDUCATION

Sarah Hunt-Barron, Ph.D.
Dean of the College of Education
Professor of Education

Katie Whatley, Administrative Assistant
Candice Rodgers, Administrative Specialist

Department of Teacher Education

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Chair of the Department of Teacher Education
Associate Professor of Education
Teaching Fellows Director

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Assistant Professor of Teacher Education
Caryn Caruso, Ph.D.
Lecturer of Teacher Education
Matthew Collier, Ph.D.
Assistant Professor of Teacher Education
Michael Farmer, Ph.D.
Lecturer of Teacher Education
Carol Hoyle, Ph.D.
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Special Education Program Coordinator
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Assistant Professor of Montessori Education
Director of the Montessori Program
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Elementary Education Program Coordinator
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Professor of Teacher Education
Christine Oskar-Poisson, Ed.D.
Assistant Professor of Teacher Education
Tamara Pack, Ed.D
Assistant Professor of Teacher Education
Early Childhood Program Coordinator
Rachel Schiera, Ed.D.
Assistant Professor of Teacher Education
Co-Director, Call Me MISTER
Mary Schreuder, Ph.D.
Assistant Professor of Teacher Education
Amanda Walkup, Ed.S.
Lecturer of Teacher Education
Coordinator of Field Experiences

Department of Physical Education and Exercise Science

Gina V. Barton, Ph.D.
Chair of the Department of Physical Education and Exercise Science
Professor of Physical Education and Exercise Science

Jeff Barfield, Ph.D.
Assistant Professor of Physical Education and Exercise Science

Martin D. Carmichael, Ph.D.
Professor of Physical Education and Exercise Science

M. Kym Kirby, Ph.D.
Professor of Physical Education
Physical Education Program Director

Carrie B. Lucas, MS
Senior Lecturer of Physical Education and Exercise Science

Bruna Lynch, Ph.D.
Assistant Professor of Physical Education and Exercise Science

Kim Spangler, MA
Senior Lecturer of Physical Education and Exercise Science

COLLEGE OF EDUCATION
PROGRAMS OF STUDY

Department of Teacher Education

BS in Early Childhood Education
BS in Early Childhood Education with Montessori Emphasis
BS in Elementary Education
BS in Special Education – Multicategorical
MAT in Visual Art (Please see the Lander University Graduate Catalog for details)
MAT in Special Education – Multicategorical (Please see the Lander University Graduate Catalog for details)
M.Ed. in Montessori Education (Please see the Lander University Graduate Catalog for details)
M.Ed. in Teaching and Learning (Please see the Lander University Graduate Catalog for details)

Department of Physical Education and Exercise Science

BS in Exercise Science
BS in Physical Education with K-12 Teacher Certification
MS in Exercise Science (Please see the Lander University Graduate Catalog for details)

DEPARTMENT OF TEACHER EDUCATION

The mission of the Lander University Department of Teacher Education is to empower educators to instruct innovatively, design diligently, engage experientially, and advocate authentically. In an ethical, caring environment, the Professional Education Unit seeks to empower and encourage students to become competent professionals, lifelong learners, and responsible citizens. The programs within the Professional Education Unit are designed to help students gain knowledge, skills, and preferred dispositions that characterize Professional Educators. All Teacher Education Programs are accredited by the appropriate specialty professional association and the unit is accredited by the National Council for Accreditation of Teacher Education (NCATE).

All teacher education programs at Lander University are guided by Interstate Teacher Assessment and Support Consortium (InTASC) standards, a nationally recognized model that outlines teacher competencies "to ensure that every K-12 student reaches the goal of being ready to enter college or the workforce in today's world." InTASC Standards, listed below, provide direction for programs, courses, teaching, and teacher candidate assessment:

1. Learner Development
2. Learning Differences
3. Learning Environments
4. Content Knowledge
5. Application of Content
6. Assessment
7. Planning for Instruction
8. Instructional Strategies
9. Professional Learning and Ethical Practice
10. Leadership and Collaboration

Department of Teacher Education Preferred Dispositions

Professional dispositions are "habits of professional action and moral commitments" that underlie the art and practice of teaching. Teacher Candidates must exhibit appropriate dispositions that represent the high standards of the teaching professions. Each semester, Teacher Candidates are assessed using a dispositional framework, created by the Department of Teacher Education and its partners, and coded to InTASC Critical Disposition standards. Teacher Candidate dispositions are documented and evaluated each semester. The Department of Teacher Education expects its Teacher Candidates to exhibit the following dispositions [InTASC Critical Dispositions in brackets]:

1. The Teacher Candidate demonstrates a commitment to Lander's Department of Teacher Education and its school and professional partners by:
    a) Being punctual for classes and clinical experiences. [9(o)]
    b) Completing all readings and assignments. [9(n)]
    c) Communicating honestly with instructors and supervisors. [9(o)]
    d) Dressing in a professional manner. [9(o)]
    e) Using standard oral language that is appropriate to its audience. [3(q)]
    f) Using standard written language that is appropriate to its audience. [3(q)]
    g) Taking responsibility for one's behavior. [9(o)]
2. The Teacher Candidate demonstrates a commitment to student learning by:
    a) Treating all students in an equitable manner. [2(l)]
    b) Respecting diversity in abilities, learning styles and cultures. [2(m)]
    c) Exhibiting a caring attitude. [2(n)]
    d) Exhibiting enthusiasm for the learning process. [4(o)]
    e) Protecting the health and safety of students. [2(n)]
    f) Communicating effectively with families. [10(q)]
    g) Advocating for students. [10(p)]
3. The Teacher Candidate demonstrates a commitment to the profession by:
    a) Being prepared for all tasks and functions of the workplace. [1(j)]
    b) Maintaining confidentiality. [9(o)]
    c) Seeking advice and feedback. [10(t)]
    d) Being a reflective practitioner. [9(n)]
    e) Collaborating with others. [3(n)]
    f) Presenting one's qualifications with honesty. [9(o)]
    g) Participating in opportunities for professional development. [10(t)]

In order to ensure the quality of the Teacher Education program, Teacher Candidates who exhibit unacceptable dispositions may be removed from the program. Procedures for candidate removal are outlined within the Department of Teacher Education handbook.

Undergraduate Teacher Education Programs

Students may take courses leading to teacher certification in a variety of fields including early childhood education, elementary education, special education, secondary content areas, and PK-12 education. Students should consult with their academic advisors early in their college careers to ensure all required courses are completed.

Student Eligibility Guidelines

The student planning to complete a teacher education program should be aware of state laws and regulations governing teacher certification. Although the administration of Lander University attempts to incorporate all such laws and regulations within the programs described in the University catalog, there always exists the likelihood that the State Board of Education will take action on teacher certification matters not addressed in the catalog. A teacher education major is required to complete the major program and teacher education requirements under the catalog current at the time of his or her admission to the teacher education program or any appropriate subsequent catalog and to meet all state regulations governing teacher certification.

Students are encouraged to discuss the teacher education program and teacher certification with their advisors on a regular basis. Students are also invited to discuss these issues with the Chair of the Department of Teacher Education.

Students enrolled in an undergraduate program leading to initial certification must meet specific requirements to enter into and progress through the teacher education program. Progression through the Teacher Education program occurs in two stages: (1) Provisional Status, (2) Candidate Status. Program specific requirements must be met before students move from one stage to the next. The progression for each program is explained below. **(Transfer and second-degree students please note special sections.)**

Students enrolled in Early Childhood, Elementary, or Special Education:

Requirements for students to move from the **Provisional Status to Candidate Status**:

1. Demonstrate professional behaviors and dispositions* at all times.
2. Maintain a minimum 2.75 GPA on Lander coursework
3. Complete EDUC 206 and EDUC 207 with a grade of "B" or better
4. Achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses
5. Pass **ALL 3** sections of Praxis Core or have exempting SAT/ACT scores on file at Lander University and confirmed by the Department of Teacher Education.
6. Apply for admission to the professional program in teacher education

Students not meeting one or more of the requirements will not progress to Candidate Status.

Requirements for **Candidate Status:**

1. Enter candidacy with formal admission to the professional program in teacher education.
2. Maintain a minimum 2.75 GPA.
4. Complete EDUC 329, SPED 329, or ECED 329 with a "B" or better
5. Complete EDUC 429, SPED 429, or ECED 429 with a "B" or better
6. Complete all other EDUC, EDEC, EDEL, MONT, or SPED courses with a "C" or better
7. Take the Praxis II prior to the student teaching semester**
8. Take the PLT (Principles of Learning and Teaching) by the end of the student teaching semester **
9. Demonstrate professional behaviors and dispositions* at all times

* Lander University has high expectations for all teacher education majors. Teacher education majors who exhibit unacceptable dispositions may be removed from the program. Procedures for removal are outlined within the Department of Teacher Education handbook.

**Praxis II and PLT must be passed to apply for certification with the South Carolina Department of Education.

Students enrolled in Secondary (History, English, Chemistry, Mathematics) or PK-12 (PE, Art, Music):

Provisional Status

1. Demonstrate professional behaviors and dispositions* at all times.
2. Maintain a minimum 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
3. Pass **ALL 3** sections of Praxis Core or have exempting SAT/ACT scores on file at Lander University and confirmed by the Department of Teacher Education.
4. Successfully complete other reviews as required by departments in specific content areas.
5. Apply for admission to the professional program in teacher education (see Department of Teacher Education section of catalog for requirements).

Candidate Status

1. Enter candidacy with formal admission to the professional program in teacher education.
2. Demonstrate professional behaviors and dispositions* at all times.
3. Maintain a 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
4. Take the Praxis II prior to the student teaching semester**
5. Take the PLT (Principles of Learning and Teaching) by the end of the student teaching semester **
6. Successfully complete other departmental requirements, reviews, projects, or milestones.

Students not meeting one or more of the requirements will not progress to Candidate Status.

*Lander University has high expectations for all teacher education majors. Teacher education majors who exhibit unacceptable dispositions may be removed from the program. Procedures for removal are outlined within the Department of Teacher Education handbook.

**Praxis II and PLT must be passed to apply for certification with the South Carolina Department of Education.

Criteria Governing Admission to the Professional Program

To be admitted to the professional program in teacher education, a student must complete the Professional Program Application and provide evidence uf the following:

1. Passed all sections of Praxis CORE or provided exempting SAT/ACT scores confirmed by the DTE
2. Achieved a minimum GPA of 2.75
3. Completed 60 hours of relevant coursework or junior status at the time of admission
4. Completed all field experience courses with a "B" or better
5. Complete all required EDUC, ECED, MONT, or SPED courses with a "C" or better
6. Clear SLED Check and TB Test on file with DTE

Criteria Governing Admission to Clinical Practice (Student Teaching)

To be recommended for clinical practice, a student must:

1. Be accepted to the professional program in teacher education (Candidate Status)..
2. Submit an application for Student Teaching Approval and Initial Certification and required documentation to the State Department of Education six (6) months prior to scheduled student teaching semester.

   Fall clinical practice applications are due February 15th.
   Spring clinical practice applications are due by June 15th.
   Late applications cannot be accepted.

3. Submit an additional Student Teacher Placement Request Form to the Field Experience Coordinator in September for spring clinical practice in February for fall clinical practice.
4. All coursework must be completed prior to student teaching

Students who fail to meet these criteria and are not granted admission to clinical practice have the right to request an appeal. Information on procedures for an appeal are available in the Department of Teacher Education Student Handbook.

Criteria Governing Submission of Recommendation for South Carolina Certification
South Carolina requires all applicants for teacher licensure to successfully complete a criminal background check. South Carolina /Teacher Licensure requirements can be found at:
https://ed.sc.gov/educators/certification/

Additional criteria include:

1. Successful completion of all program requirements.
2. A grade of "B" or better must be earned in Clinical Practice.
3. Minimum GPA of 2.75.
4. Satisfactory performance on:
   a. South Carolina performance assessment instrument for teacher candidates;
   b. PRAXIS II specialty subject test or the State-Sponsored Testing Program for the proposed area(s) of certification; and
   c. State-required Principles of Learning and Teaching (PLT) for area of certification.

Although failure to meet the above GPA and testing requirement will not preclude a student from receiving a baccalaureate degree, a student cannot be recommended for South Carolina certification without meeting these requirements. Lander University offers teacher education programs that have been approved by the State Board of Education in the following areas:

Certification Areas

Art (PK-12)
Chemistry (Secondary) (9-12)
Early Childhood (PK-3)
Elementary (2-6)
English (Secondary) (9-12)
Mathematics (Secondary) (9-12)
Music (choral, instrumental, or keyboard) (PK-12)
Physical Education (PK-12)
Social Studies – History (Secondary) (9-12)
Special Education (Multi-categorical) (PK-12)

Students are best prepared to teach when they complete a full program of study. Lander University will recommend candidates for certification in one teaching area. Students who have completed a program of study in one area and are interested in adding an additional certification should work closely with their advisor. Updated requirements for certification are published by the South Carolina Department of Education regularly. For this reason, students are strongly advised to contact the South Carolina State Department of Education concerning the required coursework.

Students Transferring to Lander and Enrolling in an Undergraduate Teacher Education Program:

1. Have a minimum grade point average (GPA) of 2.75.
2. Submit Passing scores for **ALL 3** sections of Praxis Core or have exempting SAT/ACT scores on file at Lander University and confirmed by the Department of Teacher Education.

Coursework required to complete an undergraduate teacher education program will be determined by examining prior experience and coursework completed at other institutions. Specific program requirements will be addressed on an individual basis by the Dean of the College in consultation with the student's advisor.

Montessori Emphasis

Undergraduate students majoring in early childhood education may add the Montessori emphasis by completing 18 additional hours in Montessori methods. Students must be fully admitted to the teacher education program and be recommended by the Director of the Montessori program to enroll in Montessori classes.

Additional courses:

MONT 470: Montessori Methods: Practical Life	3
MONT 471: Montessori Methods: Sensorial	3

MONT 472: Montessori Philosophy, Educational Theory and Administration/Parent Education	3
MONT 473: Methods of Observation and Classroom Leadership	3
MONT 475: Montessori Methods: Mathematics	3
MONT 493: Montessori Methods: Integrated Curriculum	3
TOTAL HOURS	18

Therapeutic Horsemanship Minor

To obtain a minor in Therapeutic Horsemanship, students must complete between 19 to 20 hours of credit in courses from two disciplines in the following distribution:

SPED 223: Introduction to Exceptional Learners, K-12 or PEES 420: Exceptional Physical Education for Special Populations	3
PEES 199: Adult CPR and First Aid (or evidence of certification)	0-1
SPED 150: Basics of Therapeutic Horsemanship	3
SPED 250: Principles of Therapeutic Horsemanship	3
SPED 260: Therapeutic Horse Movement	3
PEES 210: Human Anatomy/Movement	4
SPED 270: Therapeutic Horsemanship Program	3
TOTAL HOURS	19-20

Call Me Mister Program (Mentors Instructing Students toward Effective Role Models)

The mission of the Call Me MISTER initiative is to increase the pool of available teachers from a broader more diverse background particularly among the state's lowest performing elementary schools. The MISTER initiative attempts to accomplish this by providing academic, social, and financial support to under-represented individuals interested in entering the teaching profession. Program applicants must be entering freshmen or transfer students from other Call Me MISTER programs.

MISTERs receive advanced enrichment programs, professional development opportunities during summer months, involvement with communities, networking with other MISTERs throughout the State, and up to $5000 in scholarships for each of four years while they complete a degree leading to teacher certification in a PK-8th grade level area. This scholarship or loan forgiveness program can provide for tuition only and is administered by the Clemson University Call Me MISTER program. Funding levels may vary from year to year. MISTERs agree to teach in South Carolina one year for every year they receive the scholarship.

Application for the Call Me MISTER program is available on the lander website: https://www.lander.edu/academics/colleges-schools/college-education/teacher-education/call-me-mister.

Teaching Fellows Program

In 1999, the SC General Assembly, recognizing the shortage of teachers in our State, funded the Teaching Fellows Program for South Carolina. The mission of the South Carolina Teaching Fellows Program is to recruit talented high school seniors into the teaching profession and to help them develop leadership qualities. The program provides up to 200 high school seniors who have exhibited high academic achievement, a history of service to the school and community, and a desire to teach South Carolina's children. Lander University is allowed a maximum of 26 Fellowships per freshman class.

Teaching Fellows receive advanced enrichment programs, professional development opportunities during summer months, involvement with communities and businesses throughout the State, and approximately $6000 in scholarships for each of four years while they complete a degree leading to teacher certification. The scholarships provide for tuition and board and for summer enrichment programs administered by the South Carolina Center for Educator Recruitment, Retention and Advancement (CERRA). Funding levels may vary from year to year. Fellows agree to teach in South Carolina one year for every year they receive the fellowship.

Applications for the Teaching Fellows Program are available online (www.cerra.org) and must be submitted by the deadline posted on the site.

Teacher Education Majors

Students enrolled in the teacher education program take a sequence of courses from general education, specialized content, professional education, and a series of field experiences that culminate with clinical practice or student teaching.

The early childhood education program includes study and practice of specialized teaching methods appropriate for young children and a broad range of content preparation. A student majoring in elementary education will study and practice methods appropriate for the elementary classroom and take courses related to all of the academic areas normally taught in the elementary school. The special education degree program is built on a foundation of specialized content courses, which addresses the competencies for teaching students with mild to moderate disabilities. These courses provide the needed background for multi-categorical certification. Program requirements for secondary education programs are delineated in this catalog within each major offering teacher certification. Each program includes study and practice of teaching methods and content appropriate for the subject area.

A student planning to major in education should consult with his/her advisor in both the major area and teacher education early and regularly in his or her academic program in order to make needed decisions regarding program requirements and course sequencing. Secondary and PK-12 majors should request an advisor in education as well as the content area.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: EARLY CHILDHOOD EDUCATION

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	
HIST 101, HIST 102, HIST 111, HIST 112, HIST 121, or HIST 122	3
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877, or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
EDUC 106: Field Experience IA	0.5
EDUC 204: Instructional Technology for Teachers	3
EDUC 206: Field Experience IC	0.5
EDUC 207: Field Experience ID	1
EDUC 210: Communication in Diverse Classrooms	3
EDUC 223: General Pedagogy	3
ECED 222: Child Growth and Development	3
ECED 227: Introduction to Early Childhood	3
MATH 203: Math for Elementary Teachers	3
MONT 474: Foundations of Reading Montessori Classroom	3
SPED 223: Pre K-12 Student Diverse Learning Needs	3

PROFESSIONAL EDUCATION CONTENT PREPARATION

These courses can be taken by students only after acceptance into the Professional Program (Candidate Status)

EDUC 300: Content Area Reading and Writing	3
EDUC 302: Educational Assessment	3
EDUC 306: STEAM Instructional Design	3
EDUC 345: Instructional Practices of Teaching Reading	3
ECED 307: Heath and Movement for Children	3
ECED 322: Science Pedagogy for Early Childhood	3
ECED 323: Math Pedagogy for Early Childhood	3
ECED 329: Field Experience II	3

PROFESSIONAL EDUCATION YEARLONG INTERNSHIP

These courses must be taken by students with Candidate Status* in a Fall/Spring sequence.

Fall Semester Courses:

ECED 429: Clinical Practice A	4
ECED 405: Children and Families	3
ECED 427: Social Studies for Early Childhood	3
SPED 321: Assessing and Teaching Reading to Needs	3

Spring Semester Courses:

EDUC 461: Clinical Practice B	11
EDUC 499: Teacher Education Seminar	1

TOTAL MAJOR PROGRAM REQUIREMENTS	75
ADDITIONAL ELECTIVES	10
TOTAL FOR BS DEGREE	120

*Status is determined by factors which include, but are not limited to the following: PRAXIS Core scores, GPA, course completion, program assessments, and maintenance of professional dispositions.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: EARLY CHILDHOOD EDUCATION
EMPHASIS: MONTESSORI

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
HIST 101, HIST 102, HIST 111, HIST 112, HIST 121, or HIST 122	3
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877, or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
EDUC 106: Field Experience IA	0.5
EDUC 204: Instructional Technology for Teachers	3
EDUC 206: Field Experience IC	0.5
EDUC 207: Field Experience ID	1
EDUC 210: Communication in Diverse Classrooms	3
EDUC 223: General Pedagogy	3
ECED 222: Child Growth and Development	3
ECED 227: Introduction to Early Childhood	3
MATH 203: Math for Elementary Teachers	3
MONT 474: Foundations of Reading Montessori Classroom	3
SPED 223: Pre K-12 Student Diverse Learning Needs	3

PROFESSIONAL EDUCATION CONTENT PREPARATION

These courses can be taken by students only after acceptance into the Professional Program (Candidate Status)

EDUC 300: Content Area Reading and Writing	3
EDUC 302: Educational Assessment	3
EDUC 306: STEAM Instructional Design	3
EDUC 345: Instructional Practices of Teaching Reading	3
ECED 307: Heath and Movement for Children	3
ECED 322: Science Pedagogy for Early Childhood	3
ECED 323: Math Pedagogy for Early Childhood	3
ECED 329: Field Experience II	3

MONTESSORI PROGRAM EMPHASIS REQUIREMENTS

MONT 470: Montessori Methods: Practical Life	3
MONT 471: Montessori Methods: Sensorial	3
MONT 472: Montessori Philosophy, Educational Theory & Administration/Parent Education	3
MONT 473: Methods of Observation & Classroom Leadership	3
MONT 475: Montessori Methods: Mathematics	3
MONT 493: Montessori Methods: Integrated Curriculum	3

PROFESSIONAL EDUCATION YEARLONG INTERNSHIP

These courses must be taken by students with Candidate Status* in a Fall/Spring sequence.

Fall Semester Courses:

ECED 429: Clinical Practice A	4
ECED 405: Children and Families	3
ECED 427: Social Studies for Early Childhood	3
SPED 321: Assessing and Teaching Reading to Needs	3
MONT 429: Practicum I	3

Spring Semester Courses:

EDUC 461: Clinical Practice B	11
EDUC 499: Teacher Education Seminar	1
MONT 461: Practicum II	3

TOTAL MAJOR PROGRAM REQUIREMENTS	99
ADDITIONAL ELECTIVES	10
TOTAL FOR BS DEGREE	144

MONTESSORI CERTIFICATION COURSES (24 hours)

*Status is determined by factors that include, but are not limited to the following: PRAXIS Core scores, GPA, course completion, program assessments, and maintenance of professional dispositions.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: ELEMENTARY EDUCATION

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
HIST 101, HIST 102, HIST 111, HIST 112, HIST 121, or HIST 122	3
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
EDUC 106: Field Experience IA	0.5
EDUC 204: Instructional Technology for Teachers	3
EDUC 206: Field Experience IC	0.5
EDUC 207: Field Experience ID	1
EDUC 210: Communication in Diverse Classrooms	3
EDUC 223: General Pedagogy	3
EDUC 240: Child Growth & Educational Processes	3
EDUC 300: Content Area Reading and Writing	3
EDUC 321: Foundations of Reading	3
MATH 203: Math for Elementary Teachers	3
PEES 201: School Health Program, K-12	3

PROFESSIONAL EDUCATION CONTENT PREPARATION

These courses can be taken by students only after acceptance into the Professional Program (Candidate Status)

EDUC 302: Educational Assessment	3
EDUC 306: STEAM Instructional Design	3
EDUC 307: STEAM Implementation	3
EDUC 322: Science Pedagogy	3
EDUC 329: Field Experience II	3
EDUC 345: Instructional Practices of Teaching Reading	3
EDUC 424: Social Studies Pedagogy	3
SPED 223: Pre K-12 Student Diverse Learning Needs	3

PROFESSIONAL EDUCATION YEARLONG INTERNSHIP

These courses must be taken by students with Candidate Status* in a Fall/Spring sequence.

Fall Semester Courses:

EDUC 429: Clinical Practice A	4
EDUC 327: Mathematics Pedagogy	3
EDUC 421: Assessment of Reading (R2S)	3
EDUC 430: The Learning Environment	3

Spring Semester Courses:

EDUC 461: Clinical Practice B	11
EDUC 499: Teacher Education Seminar	1

TOTAL MAJOR PROGRAM REQUIREMENTS	75
ADDITIONAL ELECTIVES	10
TOTAL FOR BS DEGREE	120

*Status is determined by factors that include, but are not limited to the following: PRAXIS Core scores, GPA, course completion, program assessments, and maintenance of professional dispositions.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: SPECIAL EDUCATION

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
HIST 101, HIST 102, HIST 111, HIST 112, HIST 121, or HIST 122	3
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	7
(7 hours selected from 2 different disciplines, 1 lab science required)	
E. Founding Documents of the United States	3
HIST 111: United States History to 1877, or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
EDUC 106: Field Experience IA	0.5
EDUC 204: Instructional Technology for Teachers	3
EDUC 206: Field Experience IC	0.5
EDUC 207: Field Experience ID	1
EDUC 210: Communication in Diverse Classrooms	3
EDUC 223: General Pedagogy	3
EDUC 240: Child Growth and the Educational Process	3
EDUC 321: Foundations of Reading (R2S)	3
MATH 203: Mathematics for Elementary Teachers	3
SPED 223: PreK-12, Students with Diverse Learning Needs	3
SPED 240: Characteristics Of Diverse Learners, K12	3

PROFESSIONAL EDUCATION CONTENT PREPARATION

These courses can be taken by students only after acceptance into the Professional Program (Candidate Status)

EDUC 300: Content Area Reading and Writing	3
EDUC 322: Teaching Science in the Elementary Grades or EDUC 424: Social Studies Pedagogy	3
EDUC 327: Mathematics Pedagogy	3
EDUC 345: Instructional Practices for Teaching Reading	3
SPED 321: Assessing and Teaching Reading to Needs	3
SPED 329: Special Education Clinical Experience	3
SPED 341: Integrated Early Childhood and Elementary Curriculum and Instruction for Diverse Learners	3
SPED 356: Behavior and Classroom Management	3

PROFESSIONAL EDUCATION YEARLONG INTERNSHIP

These courses must be taken by students with Candidate Status* in a Fall/Spring sequence.

Fall Semester Courses:

SPED 423: Assessment of Diverse Learners, P-12	3
SPED 429: Special Education Clinical Experience	4
SPED 434: Communication and Collaborative Practices	3
SPED 451: Integrated Secondary Curriculum and Instruction for Diverse Learners	3

Spring Semester Courses:

EDUC 461: Clinical Practice B	11
EDUC 499: Teacher Education Seminar	1
TOTAL MAJOR PROGRAM REQUIREMENTS	75
ADDITIONAL ELECTIVES	10
TOTAL FOR BS DEGREE	120

*Status is determined by factors that include, but are not limited to the following: PRAXIS Core scores, GPA, course completion, program assessments, and maintenance of professional dispositions.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

DEPARTMENT OF PHYSICAL EDUCATION AND EXERCISE SCIENCE

Two undergraduate degrees are offered by the Department of Physical Education and Exercise Science: the Bachelor of Science in Physical Education-Teacher Education and the Bachelor of Science in Exercise Science. The degree programs are uniquely designed to thoroughly prepare students in their chosen professions. The goals listed for each program will be fostered through a carefully arranged and diverse variety of educational and practical opportunities.

Students majoring in Physical Education-Teacher Education, or Exercise Science must earn a grade of "C" or better* in all major program requirements. Each major within the Department of Physical Education and Exercise Science has specific standards for admission and continuation in the respective program. Failure to maintain the requirements, including GPA, for each of the respective programs throughout the student's enrollment will result in probation or suspension from the program. PEES majors will be allowed to repeat courses if the following conditions are met:

1. Courses classified as Program Requirements may be repeated only once. A student who fails to complete a PEES course successfully ("C" or better*) within two attempts may not continue as a major in Physical Education-Teacher Education, or Exercise Science.
2. A student may not repeat more than a total of two 300- and 400-level PEES courses.

Further, all students majoring in Physical Education-Teacher Education, or Exercise Science must complete all University and Departmental assessment requirements. This includes passing the PEES Professional Knowledge Inventory test and demonstrating proficiency and certification in cardiopulmonary resuscitation (CPR) and standard first aid. *Assessment activities will be administered in the PEES 499 Capstone Course and satisfactory performance on each assessment criteria is required to receive a passing grade for the course.*

*PEES 490 and PEES 491 – Internships for Exercise Science majors requires a "B" or better to be considered as passing. Students should maintain the required GPA (2.75) and be in good standing to enroll in PEES 490.

Exercise Science

The Exercise Science program is designed to prepare students for careers in public, private, hospital, and corporate wellness programs, industrial and cardiac rehabilitation programs as well as fitness and conditioning programs. The student will also be well prepared for graduate study in areas such as cardiac rehabilitation, exercise physiology, physical therapy, and occupational therapy.

Curriculum
A Bachelor of Science in Exercise Science consists of 32 hours of major core courses, 29 hours of additional courses for the major (including a three-hour computer course and a speech course), 35 hours of general education courses, and 24 hours of additional electives.

Program Goals
The goals of the Lander University Exercise Science Major prepare students to be able to

1. Identify and discuss major factors in the evolution of the field of exercise science from its early historical roots to its present position in exercise related careers;
2. Describe and apply bioscience (anatomical, physiological/biochemical, and biomechanical) concepts and changes occurring in the human organism to physical activity, conditioning, and health-related fitness across the lifespan;
3. Describe and utilize a variety of methods, techniques, and procedures to assess the health related components of fitness and subsequently develop appropriate exercise prescriptions that address physical activity, conditioning, and health-related fitness in diverse populations;
4. Understand the scientific method of conducting research and possess the ability to utilize discipline-based research in order to analyze the validity of health-related consumer information; and
5. Exhibit professional dispositions in the exercise-related community conducive to promoting healthy lifestyles.

Student Eligibility

A student may declare a major in Exercise Science (Level I/pre-professional) upon enrollment in the university. However, Exercise Science majors will not be allowed to enroll in 300- and 400-level (professional) exercise science courses until they have been formally accepted into Level II (professional) of the Exercise Science Program. Students may be admitted into Level II of the Exercise Science Program at Lander University provided the following criteria are met:

1. Submission of a completed Exercise Science Program Application that can be downloaded from the website or obtained from the Director of the Exercise Science Program.
2. Completion of a minimum of 30 credit hours of coursework including PEES 175 (2 credits), PEES 202 (3 credits), PEES 210* (4 credits), and PEES 219 (3 credits).
3. A minimum cumulative Lander grade point average (GPA) of 2.75 on a 4.0 scale.
4. Successfully complete a SC SLED check.

Students applying for admission must submit application materials by the first Monday of October, February, or June (depending on class standing) to the Director of the Exercise Science Program. Those who are denied admission to Level II of the Exercise Science Program may re-submit their application materials upon successful completion of all admission requirements.

Transfer and Second Degree Students

Transfer and second-degree students will be considered for admission to Level II of the Exercise Science Program upon the completion of the above admission criteria. The Exercise Science Program screening committee reserves the right to determine what (if any) coursework from other colleges and universities will be accepted toward satisfaction of these requirements.

Program Requirements

Students who are admitted to Level II of the Exercise Science Program will be subject to ongoing evaluation. To continue in good standing, students must maintain a minimum cumulative Lander GPA of 2.75. A student who fails to maintain any of the above requirements will be given one semester (probationary period) to re-establish compliance with the requirement(s) before being withdrawn from the program (suspension). Students withdrawn from the program as a result of suspension will not be allowed to enroll in any upper-level exercise science courses but will be allowed to repeat courses if the following conditions are met:

1. Courses classified as Program Requirements may be repeated **only once.** A student who fails to complete a PEES course successfully ("C" or better**) within two attempts **may not continue as a major in Exercise Science.**
2. A student **may not repeat more than a total of two 300- and 400-level PEES courses.**
3. Students should maintain the required GPA (2.75) and be in good standing to enroll in PEES 490.

A student can only be on probation one time. In the case that a student is suspended from the program and is then reinstated, a subsequent failure to maintain standards will result in suspension and not another probation.

*PEES 210 may be substituted with BIOL 202 for Physical/Occupational Therapy concentrations.
**PEES 490 and PEES 491 (Internships) require a "B" or better to be considered as passing. Students should maintain the required GPA (2.75) and be in good standing to enroll in PEES 490.

Physical Education Teacher Certification

The Bachelor of Science in Physical Education-Teacher Education (K-12) prepares a student for teaching careers in the public schools. The Physical Education-Teacher Education (K-12) is guided by the National Association of Sport and Physical Education (NASPE) and the Council for the Accreditation of Educator Preparation (CAEP), The National Council for Accreditation of Teacher Education (NASPE/NCATE) standards for beginning physical education teachers and aligned with Lander University's conceptual framework for teacher education.

Accreditation

The Physical Education-Teacher Education (K-12) major is recognized and accredited by NASPE/NCATECAEP.

Curriculum

A Bachelor of Science in Physical Education-Teacher Education (K-12) consists of 47 hours of major core courses, 22 hours of additional courses for the major (including a three-hour computer course), 18.5 hours of teacher certification requirements, and 35 hours of general education courses.

Program Goals

The goals of the Lander University Physical Education-Teacher Education Major prepare students to be able to

1. Identify and discuss major factors in the evolution of the field of Physical Education-Teacher Education from its early historical roots to its present position in the teaching profession;
2. Describe and apply bioscience (anatomical, physiological/biochemical, and biomechanical) concepts and changes occurring in the human organism to skillful movement, physical activity, conditioning, and fitness across the lifespan;
3. Identify, develop, and utilize a variety of instructional methods and assessment strategies that address the diverse cognitive, psychomotor, and affective learning needs of all students;
4. Describe knowledge of and apply experiences in planning, implementing, and assessing/evaluating a total school program of physical education in accordance with approved national/state content standards and the state physical education assessment program; and
5. Exhibit professional dispositions in the physical education community that promote active, lifelong learners.

Student Eligibility

Students enrolled in Secondary (History, English, Chemistry, Mathematics) or PK-12 (PE, Art, Music):

Provisional Status

1. Demonstrate professional behaviors and dispositions* at all times.
2. Maintain a minimum 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
3. Pass **ALL 3** sections of Praxis Core or have exempting SAT/ACT scores on file at Lander University and confirmed by the Department of Teacher Education.
4. Successfully complete other reviews as required by departments in specific content areas.
5. Apply for admission to the professional program in teacher education (see Department of Teacher Education section of catalog for requirements).

Candidate Status

1. Enter candidacy with formal admission to the professional program in teacher education.
2. Demonstrate professional behaviors and dispositions* at all times.
3. Maintain a 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
4. Take the Praxis II prior to the student teaching semester**
5. Take the PLT (Principles of Learning and Teaching) by the end of the student teaching semester **
6. Successfully complete other departmental requirements, reviews, projects, or milestones.

Students not meeting one or more of the requirements will not progress to Candidate Status.

*Lander University has high expectations for all teacher education majors. Teacher education majors who exhibit unacceptable dispositions may be removed from the program. Procedures for removal are outlined within the Department of Teacher Education handbook.

**Praxis II and PLT must be passed to apply for certification with the South Carolina Department of Education.

Failure to maintain the above requirements, including GPA, throughout the student's enrollment will result in probation or suspension from the program. PETE majors will be allowed to repeat courses if the following conditions are met:

1. Courses classified as Program Requirements may be repeated only once. A student who fails to complete a PEES course successfully ("C" or better*) within two attempts **may not continue as a Physical Education major.**
2. A student **may not repeat more than a total of two 300- and 400-level PEES courses.**

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: EXERCISE SCIENCE

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
[1]Mathematics	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. [1]Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Statistical Methods I	3
[1]Laboratory Science	4
E. Founding Documents of the United States (3 hours)	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge (1 hour)	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
PEES 175: Wellness for Life	2
PEES 210: Anatomy and Physiology of Human Movement or	4
[1]BIOL 202: Human Anatomy	
PEES 219: Historical and Philosophical Principles of Physical Education and Exercise Science	3
PEES 310: Kinesiology and Exercise Biomechanics	4
PEES 311: Physiology of Exercise	4
PEES 341: Research Techniques	3
PEES 362: Exercise Testing and Prescription for Healthy Populations	3
PEES 406: Clinical Exercise Physiology	3
PEES 490: Internship I	3
PEES 491: Internship II	3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

PEES 144: Beginning Weight Training	1
PEES 100-Level Sport/Fitness	1
PEES 100-Level Sport/Fitness	1
PEES 202: Personal Health and Health Promotion	3
PEES 283: Introduction to Exercise Science	1
PEES 300: Theories of Coaching, or PEES 424: Sports Psychology	3
PEES 308: Organization and Administration of Exercise-Related Professions	3
PEES 326: Nutrition for Health and Performance	3
PEES 330: Physiological Adaptations to Aging	3
PEES 402: Principles of Strength and Conditioning	3
PEES 499: Professional Concerns Seminar	1
CIS 101: Computer Fundamentals	3
SPCH 101: Speech Fundamentals	3
TOTAL MAJOR PROGRAM REQUIREMENTS	61
ADDITIONAL ELECTIVES	24
Students following the Pre-AT/OT/PT concentration should speak with an advisor in the PEES department regarding the specific electives required to meet the Pre-AT/OT/PT prerequisites.	
TOTAL FOR BS DEGREE	120

All Exercise Science majors must earn a "C" or better in all Major Program Core Requirements, all Major Program Additional Requirements and PEES 175.

[1]Students following the Pre-Athletic Training (AT), Occupational Therapy (OT) or Physical Therapy (PT) concentration should take PSYC 101, MATH 121, BIOL 111, and BIOL 202. Students not following the Pre-AT/OT/PT concentration may take any general education course that satisfies each of the general education requirements for the University and may take either PEES 210 or BIOL 202 for the core requirement.

PEES 210 or BIOL 202 is a prerequisite for admission into Level II of the Exercise Science program, along with a minimum cumulative Lander GPA of 2.75.

Students majoring in Exercise Science who are also interested in Pre-AT/OT/PT should see 4-year major guides for recommended courses and the order in which to take them.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF SCIENCE**
MAJOR: **PHYSICAL EDUCATION**
CERTIFICATION: **K-12 TEACHER CERTIFICATION**

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics (MATH 101 or MATH 121)	3
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
PSYC 101	3
Behavioral and Social Perspectives General Education Course	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Statistical Methods I	3
Lab Science (PSCI 111 recommended)	4
E. Founding Documents of the United States (3 hours)	3
HIST 111: United States History to 1877, or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge (1 hour)	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
PEES 175: Wellness for Life	2
PEES 210: Anatomy and Physiology of Human Movement	4
PEES 219: Historical and Philosophical Principles of Physical Education and Exercise Science	3
PEES 226: Motor Development	3
PEES 228: Motor Learning	3
*PEES 305: Measurement and Evaluation	3
PEES 310: Kinesiology and Exercise Biomechanics	4
PEES 311: Physiology of Exercise	4
*PEES 318: Instructional Aspects of Physical Education	3
*PEES 320: Teaching Methods for Elementary Physical Education	3

*PEES 329: Field Experience II	1
*PEES 402: Principles of Strength and Conditioning	3
*PEES 420: Physical Education for Special Populations	3
*PEES 422: Secondary Methods of Instruction	3
*PEES 429: Field Experiences III	1
*PEES 451: Programmatic Concerns in Teaching Physical Education	3
PEES 499: Professional Concerns Seminar	1

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

PEES 144: Beginning Weight Training	1
PEES 100-Level Sport/Fitness	1
PEES 100-Level Sport/Fitness	1
PEES 204: Teaching Team Sports	2
PEES 206: Teaching Individual and Dual Sports	2
PEES 222: Educational Games	2
PEES 223: Educational Gymnastics	2
PEES 224: Educational Dance	2
PEES 300: Theories of Coaching, or PEES 424: Sports Psychology	3
PEES 326: Nutrition for Health and Performance	3
EDUC 204: Instructional Technology for Teachers or CIS 101: Computer Fundamentals	3
TOTAL MAJOR PROGRAM REQUIREMENTS	69

TEACHER CERTIFICATION REQUIREMENTS

EDUC 203: Field Experience I	0.5
EDUC 240: Child Growth and the Educational Process	3
*EDUC 300: Content Area Reading and Writing or * EDUC 320: Reading and Writing in the Content Area	3
*EDUC 499: Teacher Education Seminar	1
*PEES 461: Clinical Practice	11
TOTAL TEACHER CERTIFICATION REQUIREMENTS	18.5
TOTAL FOR BS DEGREE	122.5

*Student must be admitted to Professional Program in Teacher Education.

Additional requirements: CPR/FA card during 4-year period as a student

Physical Education majors must earn a “B” or better in PEES 329, PEES 429, and PEES 461. A “C” or better must be earned in all other Major Program Core Requirements, Major Program Additional Requirements, and PEES 175.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

COLLEGE OF SCIENCE AND MATHEMATICS

David A. Slimmer, Ph.D.
Dean of the College of Science and Mathematics
Professor of Physics

Tammie Mallory, Administrative Assistant

Department of Biology

Jason P. Lee, Ph.D.
Chair of the Department of Biology
Professor of Biology

Lindsey Bowen, MS
Lecturer of Biology
Ann E. Butler, MS
Senior Instructor of Biology
Elyse Donaubauer, Ph.D.
Assistant Professor of Biology
Kerry A. Hansknecht, Ph.D.
Professor of Biology
Mary Melissa Hayes, Ph.D.
Assistant Professor of Biology
Ryan Kimbell, MS
Instructor of Biology
Richard Klann, Ph.D.
Lecturer of Biology
Jason P. Lee, Ph.D.
Professor of Biology
Jennifer J. Maze, Ph.D.
Professor of Biology
Timothy D. Maze, Ph.D.
Professor of Biology
Lisa McDonald, MS
Senior Lecturer of Biology
Mark J. Pilgrim, Ph.D.
Professor of Biology
Emily Prince, Ph.D.
Associate Professor of Biology
Andrew B. Schwendemann, Ph.D.
Associate Professor of Biology
Kathryn A. White
Visiting Instructor of Biology
Elisabeth C. Zimmerman, MA
Senior Instructor of Biology

Department of Physical Sciences

Ralph C. Layland, Ph.D.
Chair of the Department of Physical Sciences
Professor of Chemistry

K. Lisa Brodhacker, Ph.D.
Professor of Chemistry
James E. Colbert, Ph.D.
Professor of Chemistry
Whitney Craig, Ph.D.
Assistant Professor of Chemistry
Ashton B. Davis, Ph.D.
Lecturer of Chemistry
Michelle L. Deady, Ph.D.
Senior Lecturer of Physics
Diana L. Delach, Ph.D.
Associate Professor of
Environmental Chemistry
Albert D. Dukes III, Ph.D.
Professor of Chemistry
David E. Gardner, Ph.D.
Professor of Chemistry
Jeffrey M. Hollifield, MS
Senior Lecturer of Chemistry
Andrew La Croix, Ph.D.
Assistant Professor of Chemistry
Ralph C. Layland, Ph.D.
Professor of Chemistry
M. Paige Ouzts, Ph.D.
Professor of Physics
David A. Slimmer, Ph.D.
Professor of Physics

Department of Mathematics and Computing

Christopher E. Duncan, Ph.D.

Chair of the Department of Mathematics and Computing

Professor of Mathematics

Farha N. Ali, Ph.D.
Associate Professor of
Computer Information Systems

Christopher Duncan, Ph.D.
Professor of Mathematics

Elbasher Elmahdi, Ph.D.
Assistant Professor of
Computer Information Systems

Patty Griffin, MS
Lecturer of Mathematics

Trevor Leach, Ph.D.
Assistant Professor of Mathematics

Gilliean Lee, Ph.D.
Professor of Computer Information Systems

André Michelle Lubecke, Ph.D.
Professor of Mathematics

Samuel Reed, Ph.D.
Assistant Professor of Mathematics

Josie Ryan, Ph.D.
Professor of Mathematics

Chase Worley, Ph.D.
Assistant Professor of Mathematics

COLLEGE OF SCIENCE AND MATHEMATICS
PROGRAMS OF STUDY

Department of Biology

BS in Biology
BS in Biology with Genetics Emphasis
BS in Medical Biology

Department of Physical Sciences

BS in Chemistry
BS in Chemistry/Engineering Dual Degree
BS in Chemistry with Forensic Science Emphasis
BS in Chemistry with Health Sciences Emphasis
BS in Chemistry with Secondary Certification
BS in Environmental Science
BS in Environmental Science with Forensic Science Emphasis

Department of Mathematics and Computing

BS in Computer Information Systems with Software Development Emphasis
BS in Computer Information Systems with Networking Emphasis
BS in Computer Information Systems/Engineering Dual Degree
BS in Cybersecurity with Computer Information Systems Emphasis
BS in Cybersecurity with Political Science Emphasis
BS in Data Science with Business Analytics Emphasis
BS in Data Science with Computer Information Systems Emphasis
BS in Data Science with Mathematics Emphasis
BS in Mathematics/Engineering Dual Degree
BS in Mathematics
BS in Mathematics Secondary Teacher Certification

DEPARTMENT OF BIOLOGY

The Department of Biology offers the following undergraduate degree programs:

BS in Biology
BS in Biology with an emphasis in genetics
BS in Medical Biology

The course requirements for each of these degree programs are on the respective program requirements worksheets (see pages 242-247).

The biology department's webpage (http://www.lander.edu/biology) contains information about individual programs of study and a directory of biology faculty with contact information.

Students majoring in biology will gain a solid foundation in the discipline while having the flexibility to tailor the degree to their interests and career goals. Curriculum plans are available for students pursuing an emphasis in genetics as well as for those who wish to focus on cell and molecular biology or ecology and organismal biology. Additional curriculum plans are available for students interested in attending graduate school (to obtain an MS or Ph.D. degree) or one of the many professional schools (to obtain a DDS, DVM, MD, OD, OT, PA, or PT degree) after graduation. In addition to specifying particular biology courses, most biology curriculum plans include recommended courses in chemistry, physics, and psychology to properly prepare students for immediate entry into the workforce or admission to graduate and professional schools. The various curriculum plans are presented as four-year registration guides on the registrar's office webpage https://www.lander.edu/academics/registrars-office/major-guides.html.)

The department also offers an honors program for outstanding biology majors as well as a minor for students majoring in other areas.

Biology Major

Lander's degree program in biology provides comprehensive training in the life sciences. The curriculum is based on the Core Concepts and Core Competencies put forth in AAAS' *Vision and Change in Undergraduate Biology Education.* Students complete coursework geared toward mastering the five core concepts of biology: 1) evolution; 2) structure and function; 3) information flow, exchange, and storage; 4) pathways and transformations of energy and matter; and 5) systems. Through laboratory, research, and classroom experiences, students also accrue six core competencies that demonstrate their ability to 1) apply the process of science; 2) use quantitative reasoning; 3) use modeling and simulation; 4) tap into the interdisciplinary nature of science; 5) communicate and collaborate within and outside the discipline; and 6) understand the relationship between science and society.

The core concepts will be addressed in the required courses and reinforced in the elective courses. To ensure thorough exposure to all of the core concepts, students enroll in a suite of courses mapped to each of the core concepts by choosing from course groups based on the core concepts. Group 1 courses emphasize structure and function; Group 2 courses emphasize information flow, exchange, and storage; and Group 3 courses emphasize systems and the pathways and transformations of energy and matter. All courses taught in each of these groups include coverage of relevant evolutionary concepts and help students gain experience toward mastery of the core competencies described above.

The core requirements for a Bachelor of Science degree in biology are BIOL 111, BIOL 112, BIOL 299, BIOL 303, BIOL 312, BIOL 399, and BIOL 499. Further additional requirements include BIOL 213 or BIOL 214, one course from each of three concept groups (Group 1 – BIOL 308, BIOL 313, or BIOL 401; Group 2 – BIOL 307, BIOL 403, or BIOL 422; Group 3 – BIOL 306, BIOL 311, BIOL 415, or BIOL 421), and 8 hours of elective biology courses. At least 4 hours of the elective biology coursework must be at the 300-level or above. All biology majors must successfully complete CHEM 111, CHEM 112, and CHEM 221. For the emphasis in genetics, additional requirements are more specific and include BIOL 307, BIOL 403, BIOL 412, and BIOL 498; CHEM 301; and PHYS 201 and PHYS 202 or PHYS 211 and PHYS 212.

For students anticipating secondary school teaching or seeking admission to professional or graduate school, CHEM 222 and CHEM 301 and PHYS 201 and PHYS 202 or PHYS 211 and PHYS 212 are strongly recommended and may be required.

A minimum grade of "C" must be earned in all biology courses counted toward the degree in Biology. In addition, a minimum cumulative GPA of 2.0 must be earned for all major program requirements (including CHEM and PHYS courses).

It is the student's responsibility to be knowledgeable of the schedule of offerings and to plan carefully so that all requirements for the degree can be fulfilled by the desired graduation date. Required courses for the biology degree are normally offered according to the following schedule:

Each Fall	**Each Spring**
BIOL 111	BIOL 112
BIOL 202	BIOL 202
BIOL 203	BIOL 203
BIOL 204	BIOL 204
BIOL 213	BIOL 214
BIOL 303	BIOL 299
BIOL 307	BIOL 303
BIOL 308	BIOL 306
BIOL 311	BIOL 312
BIOL 312	BIOL 313
BIOL 399	BIOL 401
BIOL 415	BIOL 403
BIOL 421	BIOL 422
	BIOL 499

Biology Degree with Emphasis in Genetics

The genetics emphasis is designed for students interested in research careers in genetics or biomedical science. Beginning with the solid foundation in biological sciences provided by the standard Bachelor of Science in biology, this program includes additional coursework and experiences in biochemistry, animal development, and genetics. All students in the emphasis will complete a laboratory research project in genetics, the results of which will be presented in a public seminar.

Medical Biology Major

Lander's degree program in medical biology addresses the specific needs of students seeking careers in a health care field. The scope of this degree program is narrower than that of the biology major and may not be appropriate for students that are seeking the breadth of a traditional biology degree. At the end of the first year, students must apply to the program. If they are not accepted to the Medical Biology major, they can continue as Biology majors in the existing pre-professional tracks

Graduation with Honors in Biology

Students majoring in biology will qualify for a BS with Honors in Biology if the following requirements are met:

1. Completion and submission to the department chair of an Application for Graduation with Honors in Biology with at least three semesters remaining before graduation.
2. Successful completion of the program for the BS in Biology or the BS in Biology with an emphasis in genetics;
3. Completion of an additional 5 hours of biology coursework at the 300 level or above that includes at least one four-hour course (BIOL 407-BIOL 412 are not applicable);
4. Cumulative grade point average of 3.5 in all biology courses;
5. Cumulative overall grade point average of 3.5 or better; and
6. Completion of a laboratory or field research project in which:
   a) The research proposal is approved by a majority of the biology faculty. (*This would normally occur in the fall semester of the junior year*.)
   b) The research is of sufficient quality to justify four credit hours (BIOL 407, BIOL 408, BIOL 409, BIOL 410, or BIOL 412) which are required.
   c) The research results are presented as follows:
      1) by public seminar at Lander University and

2) at a scientific meeting and/or by submission of a paper for publication in an appropriate scientific journal.

Transfer students may graduate with Honors in Biology if they fulfill the above requirements and have a 3.5 GPA overall and in biology from their former institution(s) and complete their last 60 hours, including at least 20 hours of biology, at Lander University

Biology Minor

A minor in biology includes BIOL 111 and BIOL 112, and either BIOL 213 or BIOL 214, and at least 7 hours of 300- or 400-level biology courses. Advisors and prospective minors should note that most biology courses have prerequisites and/or co-requisites that must be met. A grade of "C" or better is required in all biology courses taken for the minor.

Pre-Professional Curricula

Lander's biology department offers curriculum plans in the following areas: pre-medicine, pre-dentistry, pre-optometry, pre-veterinary medicine, pre-pharmacy, pre-physical therapy, pre-occupational therapy, and pre-physician assistant.

The goals of these curriculum plans are to:

1. provide a well-respected and rigorous core curriculum that will make students who are applying to professional schools highly competitive;
2. offer the full variety of courses that are required or recommended for acceptance into most professional schools; and
3. help students navigate the application procedures and timelines specific to their professional-school goals.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: BIOLOGY

Credit Hours

UNIVERSITY REQUIREMENT

FALS 101: Fine Arts and Lecture Series (Temporarily suspended) 0

GENERAL EDUCATION REQUIREMENTS
(For approved courses, see General Education: www.lander.edu/gen-ed.)

A. Core Skills (9 hours)
ENGL 101: Writing and Inquiry I 3
ENGL 102: Writing and Inquiry II 3
MATH 121: Mathematical Applications or 3
MATH 123: Calculus and Its Applications or 3
MATH 141: Single Variable Calculus I 4

B. Humanities and Fine Arts 6
(6 hours selected from 2 different disciplines)

C. Behavioral and Social Perspectives 6
(6 hours selected from 2 different disciplines)

D. Scientific and Mathematical Reasoning
CHEM 111: General Chemistry 4
MATH 211: Statistical Methods I 3

E. Founding Documents of the United States 3
HIST 111: United States History to 1877 or
POLS 101: American National Government

F. World Cultures 3

G. LINK 101: Leadership, Involvement, Networking and Knowledge 1

LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.

TOTAL GENERAL EDUCATION REQUIREMENTS 35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS

BIOL 111: Principles of Biology I 4
BIOL 112: Principles of Biology II 4
BIOL 299: Sophomore Seminar in Biology 1
BIOL 303: Evolution 3
BIOL 312: Genetics 4
BIOL 399: Junior Seminar in Biology 1
BIOL 499: Senior Seminar in Biology 1

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

A. Organismal Diversity 4
(Choose 4 credit hours from the following)
BIOL 213: Botany
BIOL 214: Zoology

B. Biology Group I: Structure and Function	4
(Choose 4 credit hours from the following)	
BIOL 308: Comparative Vertebrate Anatomy	
BIOL 313: Plant Anatomy	
BIOL 401: Cell Biology	
C. Biology Group II: Biological Information Flow	4
(Choose 4 credit hours from the following)	
BIOL 307: Animal Development	
BIOL 403: Molecular Genetics	
BIOL 422: Immunology	
D. Biology Group III: Systems Biology	4
(Choose 4 credit hours from the following)	
BIOL 306: Ecology	
BIOL 311: Animal Physiology	
BIOL 415: Limnology	
BIOL 421: General Microbiology	
E. Other Requirements	
CHEM 112: General Chemistry	4
CHEM 221: Organic Chemistry	4
MAJOR PROGRAM ELECTIVES	
BIOL 200-level or above (except BIOL 490 and BIOL 498)	4
BIOL 300-level or above (except BIOL 490 and BIOL 498)	4
TOTAL MAJOR PROGRAM REQUIREMENTS	50
ADDITIONAL ELECTIVES	35
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: BIOLOGY
EMPHASIS: GENETICS

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 121: Mathematical Applications or	3
MATH 123: Calculus and Its Applications or	3
MATH 141: Single Variable Calculus I	4
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning	
CHEM 111: General Chemistry	4
MATH 211: Statistical Methods I	3
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
BIOL 111: Principles of Biology I	4
BIOL 112: Principles of Biology II	4
BIOL 299: Sophomore Seminar in Biology	1
BIOL 303: Evolution	3
BIOL 312: Genetics	4
BIOL 399: Junior Seminar in Biology	1
BIOL 499: Senior Seminar in Biology	1
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
A. Organismal Diversity (Choose 4 credit hours from the following)	4

	BIOL 213: Botany BIOL 214: Zoology	
B.	**Biology Group I: Structure and Function** (Choose 4 credit hours from the following) BIOL 308: Comparative Vertebrate Anatomy BIOL 313: Plant Anatomy BIOL 401: Cell Biology	4
C.	**Biology Group II: Biological Information Flow** BIOL 307: Animal Development	4
D.	**Biology Group III: Systems Biology** (Choose 4 credit hours from the following) BIOL 306: Ecology BIOL 311: Animal Physiology BIOL 415: Limnology BIOL 421: General Microbiology	4
E.	**Other Requirements**	
	BIOL 403: Molecular Genetics	4
	BIOL 412: Genetics Research	4
	BIOL 498: Genetics Seminar	1
	CHEM 112: General Chemistry	4
	CHEM 221: Organic Chemistry	4
	CHEM 301: Biochemistry	3
	PHYS 201-202: Introductory Physics or PHYS 211-212: General Physics	8
	TOTAL MAJOR PROGRAM REQUIREMENTS	62
ADDITIONAL ELECTIVES		23
	TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: MEDICAL BIOLOGY

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 121: Math for Bus, Life Science or MATH 123: Calculus & its Applications	3
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	
PHIL 302: Ethics	3
Humanities and Fine Arts	3
C. Behavioral and Social Perspectives	
PSYC 101: General Psychology	3
SOCI 101: Introduction to Sociology	3
D. Scientific and Mathematical Reasoning	
CHEM 111: General Chemistry I	4
MATH 211: Introduction to Statistical Methods I	3
E. Founding Documents of the United States	
HIST 111: United States History to 1877 or POLS 101: American National Government	3
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
TOTAL GENERAL EDUCATION REQUIREMENTS	35
MAJOR PROGRAM CORE REQUIREMENTS	
BIOL 111: Principles of Biology I	4
BIOL 112: Principles of Biology II	4
BIOL 202: Human Anatomy	4
BIOL 203: Human Physiology	4
BIOL 204: Microbiology	4
BIOL 304: Pathophysiology	3
BIOL 312: Genetics	4
BIOL 401: Cell Biology	4
BIOM 195: Freshman Seminar in Medical Biology	1
BIOM 295: Sophomore Seminar in Medical Biology	1
BIOM 320: Biostatistics	3
BIOM 395: Junior Seminar in Medical Biology	1
BIOM 499: Capstone Course in Medical Biology	1
CHEM 221: Organic Chemistry I	4
CHEM 301: Biochemistry	3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
CHEM 112: General Chemistry II	4
MAJOR PROGRAM ELECTIVES	
BIOL or BIOM 300-level or above	12
TOTAL MAJOR PROGRAM REQUIREMENTS	61
ADDITIONAL ELECTIVES	24
The remaining 12 hours may be 100-level or above	
TOTAL FOR BS DEGREE	120

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

DEPARTMENT OF PHYSICAL SCIENCES

The Department of Physical Sciences offers the following undergraduate degree programs:

BS in Chemistry
BS in Chemistry/Engineering (offered as a dual degree program with Clemson University)
BS in Chemistry with Forensic Science Emphasis
BS in Chemistry with Health Sciences Emphasis
BS in Chemistry with Secondary Certification
BS in Environmental Science
BS in Environmental Science with Forensic Science Emphasis

The course requirements for each of these degree programs are on the respective program worksheets on pages 250-263.

The Department's webpage:
https://www.lander.edu/academics/colleges-schools/college-science-mathematics/physical-sciences/index.html
contains information about the individual programs of study, scholarships available for students majoring in Chemistry, Chemistry/Engineering Dual Degree, Chemistry with an emphasis in Forensic Science, Chemistry with an emphasis in Health Sciences, Chemistry with Secondary Education, Environmental Science, or Environmental Science with an emphasis in Forensic Science, and links to the home pages of faculty members.

An honors program is available in chemistry. Minors are available in chemistry, environmental science, and forensic science.

Curricular programs are also offered in pre-medicine, pre-pharmacy, pre-dentistry, and other pre-professional allied health science fields.

Courses in chemistry, physics, geology, and physical science are offered as support courses for professional, pre-professional, and general education areas of study.

Chemistry Major

Chemistry is an experimental science that has as its goal the development of an atomic and molecular interpretation of the properties and behavior of matter. The fundamental nature and extensive application of chemistry to other fields of science gives the chemistry graduate a variety of career choices and advanced study opportunities. Among these are industrial chemistry, government service, sales or supervision, secondary school teaching, and entry into graduate or professional schools. A program of maximum flexibility can best serve this wide variety of potential interests.

The student will have competency in the following areas prior to graduating from Lander University with a degree in chemistry:

1. Chemistry: Fundamental principles of analytical, inorganic, organic, and physical chemistry.
2. Mathematics: Fundamental principles of differential, integral, and multivariable calculus.
3. Physics: Fundamental principles of mechanics, heat, electricity, magnetism, and waves.

Chemistry Goals

Students graduating with a BS Degree in Chemistry will

1. have developed an understanding of modern scientific concepts and issues related to organic, inorganic, analytical, and physical chemistry;
2. demonstrate appropriate scientific communication skills to prepare and present a seminar presentation on a literature topic or undergraduate research experience; and
3. demonstrate skills necessary for safe and appropriate collection, analysis, and interpretation of data in chemistry laboratory experiments.

The core requirements for a Bachelor of Science degree in chemistry are CHEM 111-CHEM 112, CHEM 221, CHEM 331, and CHEM 401. Additional requirements include BIOL 112, CHEM 197, CHEM 198, CHEM 199, CHEM 222, CHEM 330, CHEM 341, CHEM 402, PHYS 202 or PHYS 212, PSCI 499, plus a minimum of nine

hours of elective courses from CHEM 260 or above. Required cognates include MATH 123 and MATH 211 or MATH 141 and MATH 211, PHYS 201 or PHYS 211, and a minimum of nine hours of electives from the following: ASTR 101, BIOL 111 or higher, CHEM 260 or higher, CIS 130 or higher, ES 111 or higher, GEOL 111 or higher, MATH 141 or higher, PHYS 203, PHYS 314, or PSCI 451. The program features extensive student participation in experimental laboratory work. In many instances, experiments are chosen to coincide with a student's specific needs and interests.

Chemistry courses are normally offered according to the following schedule:

Every Fall	**Every Spring**
CHEM 111	CHEM 112
CHEM 221	CHEM 197
CHEM 260	CHEM 198
CHEM 330	CHEM 199
CHEM 401	CHEM 222
CHEM 420	CHEM 301
	CHEM 331
	CHEM 341
	CHEM 360
	CHEM 402
	PSCI 499

Even Year Fall
CHEM 311

Other specialized courses may be offered as needed.

Chemistry Honors Program

A student graduating from Lander University with the Bachelor of Science degree in chemistry may qualify for the "Honors Degree in Chemistry" if the following conditions have been met:

1. Upon graduation, the student must have at least a GPA of 3.5 in both overall coursework and chemistry program requirements. There can be no grade below a "C" in any chemistry coursework, including repeated courses.
2. In addition to the normal course requirements, the following courses must be taken:
   Calculus: MATH 141
   Chemistry elective: CHEM 260 or above
3. The student must complete a research project in which:
   a) The research is of sufficient quality to receive credit in CHEM 409 or CHEM 410;
   b) The results are submitted for publication in a scientific journal or presentation at a scientific meeting (such as the South Carolina Academy of Science or the Western Carolinas Section of the American Chemical Society);
   c) The results are presented in seminar format to the science faculty, students, and invited guests; and
   d) The project may be completed entirely at Lander or initiated off campus during a summer research program.

Transfer students entering this program must have at least a 3.5 GPA overall and in chemistry program requirements from their former institution(s) and must meet the above guidelines.

Chemistry with Secondary Education Certification

Individuals who want to teach chemistry rather than work in a laboratory will find that this program meets all their needs. Students will have the opportunity to engage with two different types of practitioners (scientists and experienced teachers) over the course of their education. A comprehensive chemistry education and state of the art technology will be introduced in classes such as inorganic, organic, instrumental, and biological chemistries. Classroom management, national science teaching standards, and educational technology will be introduced in education coursework. Students will participate in a series of clinical experiences beginning with observations of local high school classrooms and leading to a semester long student-teaching position as part of the education coursework.

This program adheres to the College of Education teacher disposition and screening requirements; students will be required to achieve all of the benchmarks for the Department of Teacher Education in order to successfully complete the program. State regulations regarding teacher certification may change during pursuit of the Chemical Education degree.

In order to ensure that appropriate progress is being made, students majoring in Chemical Education are encouraged to meet with their advisor regularly (at least twice each semester) to stay abreast on any changes in licensure requirements.

Students enrolled in Secondary (History, English, Chemistry, Mathematics) or PK-12 (PE, Art, Music):

Provisional Status

1. Demonstrate professional behaviors and dispositions* at all times.
2. Maintain a minimum 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
3. Pass **ALL 3** sections of Praxis Core or have exempting SAT/ACT scores on file at Lander University and confirmed by the Department of Teacher Education.
4. Successfully complete other reviews as required by departments in specific content areas.
5. Apply for admission to the professional program in teacher education (see Department of Teacher Education section of catalog for requirements).

Candidate Status

1. Enter candidacy with formal admission to the professional program in teacher education.
2. Demonstrate professional behaviors and dispositions* at all times.
3. Maintain a 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
4. Take the Praxis II prior to the student teaching semester**
5. Take the PLT (Principles of Learning and Teaching) by the end of the student teaching semester **
6. Successfully complete other departmental requirements, reviews, projects, or milestones.

Students not meeting one or more of the requirements will not progress to Candidate Status.

* Lander University has high expectations for all teacher education majors. Teacher education majors who exhibit unacceptable dispositions may be removed from the program. Procedures for removal are outlined within the Department of Teacher Education handbook.

**Praxis II and PLT must be passed to apply for certification with the South Carolina Department of Education.

Chemistry/Engineering Dual Degree

Students who wish to combine study in chemistry with further study in chemical engineering may do so under the Clemson University-Lander University Engineering Dual Degree Program. Under this cooperative agreement, students will spend the first two years of their college career at Lander University in a chemistry program of study and the remaining three years at Clemson University in chemical engineering. Summer courses may be required.

A student who completes this five-year program of study will have had the experience of dividing his or her academic career between the liberal arts environment of a small university campus and the engineering climate of a large technically oriented university. This unique combination of study on two differently oriented campuses will provide a student with excellent engineering and chemistry training, complemented by study in the humanities and social sciences. Thus, a graduate from this dual degree program will be well trained to pursue a technical career strongly oriented to problems relevant to today's society.

Students apply to Clemson for admission in their second academic year at Lander. They must be recommended by the Lander faculty. Those students who do not maintain a GPA that would be competitive for entrance to Clemson may not be recommended. A grade of "C" or better is required in all courses transferred to Clemson.

Acceptance into the Clemson engineering program is at the discretion of Clemson University. Clemson recommends that the prospective student attend summer school at Clemson following the sophomore year at Lander.

All dual degree engineering majors will be able to enter Clemson University at a level competitive with students already at that university.

The student will have competency in the following areas prior to leaving for Clemson University:

1. Chemistry: Fundamental principles of analytical and organic chemistry.
2. Mathematics: Differential, integral, and multivariable calculus, and differential equations.
3. Physics: Mechanics, heat, electricity, atomic and nuclear physics, and magnetism.
4. Engineering: Engineering problem analysis, material and mass balances on chemical process systems, and engineering case studies.
5. Calculator: Proficiency in the use of an advanced scientific calculator.

Chemistry with Forensic Science Emphasis

Students who pursue the forensic track will be able to obtain their Bachelor of Science degree in Chemistry while focusing on Crime lab applications. Coursework focuses on developing an understanding of how evidence collection and analysis can lead to conclusions about past actions, as well analytical skills that will not destroy trace evidence. Courses such as criminalistics, microscopical methods, and toxicology have been incorporated such that students have the hands-on experience and skills necessary to be competitive in the job market. Students that complete this major will be prepared to seek jobs with local, state, and federal criminalistics labs, as well as with museums and non-profit organizations.

Chemistry with Health Sciences Emphasis

Chemistry majors interested in pursuing health profession careers, such as pharmacy and medicine, are encouraged to pursue the health sciences emphasis. It is designed to allow students to take those courses, which are pre-requisites for the various health professions, as part of the emphasis. This program offers flexibility in coursework so students are prepared for health-related entrance exams such as the MCAT.

Environmental Science Major

Environmental science is the study of the myriad interactions between the world and us. As our population continues to grow, as technology advances and our needs and wants increase, our impacts on the world become more widespread and severe, despite improvement in some areas. Environmental impacts, in turn, affect human health and wellbeing.

Environmental challenges are multidisciplinary in nature. That is, in order to understand each environmental challenge sufficiently well to develop effective solutions, we must assemble expertise in several disciplines. It is also important that environmental scientists and decision makers understand the different sciences sufficiently well to communicate with those of other specialties and to appreciate the importance of other disciplines in addressing the challenges.

The environmental science major at Lander University is an interdisciplinary program drawing on courses in biology, chemistry, geology, environmental science, physics, mathematics, political science, and economics designed to meet the demand for workers with expertise in environmental science.

Graduates are qualified for careers with industry, governmental service, environmental consulting firms, and non-governmental environmental organizations, as well as entry into graduate or professional schools.

The core requirements for a Bachelor of Science degree in environmental science are BIOL 111, BIOL 306, BIOL 415, CHEM 111, CHEM 112, CHEM 221, CHEM 330, CHEM 420, ES 111, ES 301, ES 302, ES 310, ES 407 or ES 490, GEOL 111 or PSCI 112, GEOL 405, and PSCI 499. Also, two major electives from the following courses: BIOL 213, BIOL 303, BIOL 313, BIOL 421, CHEM 222, CHEM 260, CHEM 301, CHEM 331, CHEM 360, or CHEM 381.

The program features extensive student participation in experimental field and laboratory work. Field and lab work are often chosen to accommodate the interests or needs of individual students. It is the student's responsibility to be aware of the schedule of course offerings and to plan carefully so that all requirements for the degree can be

completed in the desired time. Major courses, including major electives, are normally offered according to the following schedule.

Every Fall Semester	**Every Spring Semester**
BIOL 111	BIOL 303
BIOL 213	BIOL 306
BIOL 415	BIOL 313
BIOL 421	CHEM 112
CHEM 111	CHEM 222
CHEM 221	CHEM 301
CHEM 260	CHEM 331
CHEM 330	CHEM 360
CHEM 420	ES 111
ES 314	GEOL 111
PHYS 201 or PHYS 211	PSCI 499
PSCI 112	
Even Year Fall	**Odd Year Spring**
ES 301	ES 302
Odd Year Fall	**Even Year Spring**
ES 310	GEOL 405

Other specialized courses may be offered as needed, including ES 407 or ES 490.

Environmental Science Goals

The goal of the environmental science program is to train environmental scientists and to produce graduates who are prepared for post-baccalaureate pursuits including graduate or professional schools or employment in the discipline.

Students graduating with a BS Degree in Environmental Science will

1. understand the scientific basis (chemistry, biology, geology, and environmental sciences) for environmental challenges and proposed solutions;
2. be able to use the scientific method and associated critical thinking skills to formulate questions, design experiments, and interpret and evaluate data to answer them;
3. have developed writing and presentation skills appropriate for students and practitioners in the discipline of environmental science; and
4. be able to develop and articulate well-informed and reasoned views on environmental issues that include an understanding of the legal, ethical, social, political, and economic ramifications of environmental problems, policy, and decisions.

Environmental Science with Forensic Science Emphasis

Lander offers an environmental science major with an emphasis in environmental forensics for students interested in careers with environmental forensics components, such as determining or confirming environmental liability in working for environmental labs, regulatory agencies, industry, consulting firms, law firms and non-governmental organizations. The goal of this emphasis is to allow students to develop strong analytical skills and an understanding of the legal framework for this type of science.

Chemistry Minor

A minor in chemistry consists of CHEM 111, CHEM 112, CHEM 221, plus a minimum of 6 hours of additional chemistry courses above CHEM 221, of which 3 hours are at the CHEM 260 or above level. (CHEM 381 may not be used to satisfy the requirements of the chemistry minor.) A grade of "C" or better is required in all chemistry courses taken for the minor.

Environmental Science Minor

A minor in environmental science consists of BIOL 111, CHEM 111, GEOL 111 or PSCI 112, ES 301, and ES 302. A grade of "C" or better is required in all courses taken for the minor.

Forensic Science Minor

A minor in forensic science consists of CHEM 101, CHEM 111, CHEM 112, CHEM 221, CHEM 260, CHEM 360, and BIOL 112 for a total of 25 credit hours. A grade of "C" or better is required in all courses taken for the minor.

Pre-Professional Curricula

Lander University offers curricular programs in the following areas: pre-medicine, pre-dentistry, pre-optometry, pre-veterinary medicine, pre-pharmacy, pre-physical therapy, and pre-occupational therapy. Because of the nature of the courses required to fulfill the requirements of these programs, most students in these programs major in Chemistry or Biology.

All pharmacy degree programs in the State of South Carolina are now 6-year Pharm. D. programs. As such, they require students to have a minimum of 66 credit hours before applying to pharmacy school.

Although most professional schools have common core curriculum requirements, there are variances. In addition, some schools have regular admission programs, early decision programs, and early admission programs. In the early admission program, the student can be accepted as early as the third semester of undergraduate study. There are variations in the number of hours and courses required by similar programs offered at different institutions. To better serve Lander's students, each program has a designated faculty advisor. As soon as the decision to enter one of the health-related programs is made, the student and his/her advisement records will be turned over to the appropriate health program advisor in the Department of Physical Sciences.

Successful completion of the following Lander courses will allow a student to apply to pharmacy programs at the Medical University of South Carolina, the University of South Carolina, and Presbyterian College:

Courses	Hours
CHEM 111-112	8
BIOL 111-112	8
MATH 123 or 141	3 or 4
ENGL 101-102	6
MATH 211	3
CHEM 221-222	8
ECON 201 or ECON 202	3
PHYS 201-202 or 211-212	8
SPCH 101	3
BIOL 202	4
BIOL 203 or 311	4
BIOL 204 or 421	4
HISTORY	3
FINE ARTS	3
PSYC	3
SOCIAL SCIENCE ELECTIVES (including psychology and history)	9

Successful completion of the following Lander courses will prepare students to score well on the MCAT and will make the students very competitive once admitted to a school of medicine. The prerequisites for medical school include:

Courses	Hours
CHEM 111-112	8
BIOL 111-112	8
MATH	6
CHEM 221-222	8
PHYS 201-202 or 211-212	8
ENGL 101-102	6
PSYC 101	3
SOCI 101	3

Other science courses are recommended in order to better prepare the student.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: CHEMISTRY

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 123: Calculus and its Applications	3
or MATH 141: Single Variable Calculus I	
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	6
(6 hours selected from 2 different disciplines)	
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Introduction to Statistical Methods I	3
PHYS 201: Introductory Physics I or PHYS 211: General Physics I	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877	
or POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
CHEM 111: General Chemistry I	4
CHEM 112: General Chemistry II	4
CHEM 221: Organic Chemistry I	4
CHEM 331: Chemical Instrumentation	4
CHEM 401: Physical Chemistry I	4
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
BIOL 112: Principles of Biology II	4
CHEM 197: Scientific Communications I	1
CHEM 198: Scientific Communications II	1
CHEM 199: Scientific Communications III	1
CHEM 222: Organic Chemistry II	4
CHEM 260: Microscopical Methods or above (except CHEM 381)	3-4

CHEM 260: Microscopical Methods or above (except CHEM 381)	3-4
CHEM 260: Microscopical Methods or above (except CHEM 381)	3-4
CHEM 330: Analytical Chemistry	5
CHEM 341: Inorganic Chemistry	4
CHEM 402: Physical Chemistry II	4
PHYS 202: Introductory Physics II or 212: General Physics II	4
PSCI 499: Senior Seminar	3
Choose **three** of the following: ASTR 101: Introduction to Astronomy or higher BIOL 111: Principles of Biology I or higher CHEM 260: Microscopical Methods or higher CIS 130: Problem Solving and Programming Methods or higher ES 111: Environmental Sustainability or higher GEOL 111: Physical Geology or higher MATH 141: Single Variable Calculus I or higher PHYS 203: Electronics PHYS 314: Fluids and Heat Transfer PSCI 451: Science Pedagogy	9-12
TOTAL MAJOR PROGRAM REQUIREMENTS	69-75
ADDITIONAL ELECTIVES	10-16
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 hours earned in 300 or above level courses, of which 12 hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: CHEMISTRY
EMPHASIS: DUAL ENGINEERING

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 141: Single Variable Calculus I	4
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	
ART 101: Introduction to Art	
or MUSI 101: Introduction to Music	
or ENGL 200-level	3
Humanities and Fine Arts (Taken at Clemson)	3
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
ECON 101: Economics in Society	
or POLS 103: Introduction to World Politics	
or PSYC 101: General Psychology	3
Behavioral and Social Perspectives (Taken at Clemson)	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 142: Single Variable Calculus II	4
PHYS 211: General Physics I	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877	
or POLS 101: American National Government	
(Taken at Clemson as HIST 1010 or POSC 101)	
F. World Cultures	
ES 314: Cultural Perspectives of Global Climate Change	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	37
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
CHEM 111: General Chemistry I	4
CHEM 112: General Chemistry II	4

CHEM 221: Organic Chemistry I	4
CHEM 331: Chemical Instrumentation	4
CHEM 401: Physical Chemistry I (Taken at Clemson)	4

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

CHEM 197: Scientific Communications I	1
CHEM 198: Scientific Communications II	1
CHEM 199: Scientific Communications III	1
CHEM 222: Organic Chemistry II	4
CHEM 330: Analytical Chemistry	5
CHEM 351: Mass and Energy Balance (Taken at Clemson):	4
CHEM 381: Cultural Perspective of Pollution	3
CHEM 402: Physical Chemistry II (Taken at Clemson)	4
CIS 130: Problem Solving and Programing Methods	4
CIS 202: Computer Applications for Engineers	3
MATH 241: Multivariable Calculus	4
MATH 242: Differential Equations	4
PHYS 212: General Physics II	4
PHYS 314: Fluids and Heat Transfer (Taken at Clemson)	4
PSCI 499: Senior Seminar (Taken at Clemson)	3
TOTAL MAJOR PROGRAM REQUIREMENTS	69
ADDITIONAL ELECTIVES	14
TOTAL FOR BS DEGREE	120

Upon completion of the 2nd year at Lander, students will have completed 78 credit hours of coursework. However, students will have only completed 28 of the 37 hours of General Education requirements. In addition to transferring back the needed general education credits, students will also have to complete and transfer back: CHE 2110, CHE 2300, CHE 2200, CHE 3390, CHE 3320, CHE 3400, CHE 4430, CHE 4440. Furthermore, students must complete the Clemson degree requirements for a BS in chemical engineering to obtain the BS degree in chemistry from Lander. This option is available ONLY to students who pursue a degree in CHEMICAL Engineering at Clemson.

Coursework must include at least 30 hours earned in 300 or above level courses, of which 12 hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: CHEMISTRY
EMPHASIS: FORENSIC SCIENCE

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 123: Calculus and its Applications	3
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
PSYC 101: General Psychology	3
Elective	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Introduction to Statistical Methods I	3
PHYS 201: Introductory Physics I or PHYS 211: General Physics I	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877	
or POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
CHEM 111: General Chemistry I	4
CHEM 112: General Chemistry II	4
CHEM 221: Organic Chemistry I	4
CHEM 331: Chemical Instrumentation	4
CHEM 401: Physical Chemistry I	4
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
BIOL 112: Principles of Biology II	4
BIOL 403: Molecular Genetics	4
CHEM 101: Introduction to Criminalistics	3
CHEM 197: Scientific Communications I	1

CHEM 198: Scientific Communications II	1
CHEM 199: Scientific Communications III	1
CHEM 222: Organic Chemistry II	4
CHEM 260: Microscopical Methods	3
CHEM 301: Biochemistry	3
CHEM 330: Analytical Chemistry	5
CHEM 360: Toxicology	3
PSCI 499: Senior Seminar	3
Choose **three** of the following: BIOL 421: General Microbiology or higher CHEM 311: Intermediate Organic Chemistry or higher CIS 130: Problem Solving or higher CRIM 101: Introduction to Criminology or higher GEOL 111: Physical Geology or higher POLS 217: Introduction to Public Administration or higher PSYC 251: Abnormal Psychology PSYC 304: Biological Basis of Behavior	9-12
TOTAL MAJOR PROGRAM REQUIREMENTS	64-67
ADDITIONAL ELECTIVES	18-21
Up to 4 credit hours may need to be 300-level or above. The remaining hours may be at any level.	
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 hours earned in 300 or above level courses, of which 12 hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: CHEMISTRY
EMPHASIS: HEALTH SCIENCES

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses see the General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 123: Calculus and its Applications	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	
PSYC 101: General Psychology	3
SOCI 101: Introduction to Sociology	3
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Introduction to Statistical Methods I	3
PHYS 201: Introductory Physics I or PHYS 211: General Physics I	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
CHEM 111: General Chemistry I	4
CHEM 112: General Chemistry II	4
CHEM 221: Organic Chemistry I	4
CHEM 331: Chemical Instrumentation	4
CHEM 401: Physical Chemistry I	4
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
BIOL 111: Principles of Biology I	4
BIOL 112: Principles of Biology II	4
BIOL 202: Human Anatomy	4

BIOL 203: Human Physiology	4
CHEM 197: Scientific Communications I	1
CHEM 198: Scientific Communications II	1
CHEM 199: Scientific Communications III	1
CHEM 222: Organic Chemistry II	4
CHEM 330: Analytical Chemistry	5
PHYS 202: Introductory Physics II or 212: General Physics II	4
PSCI 499: Senior Seminar	3
Choose **three** of the following: (depends on program and school) SPCH 101: Speech Fundamentals PHIL 302: Ethics BIOL 204: Microbiology BIOL 321: Foundations of Medicine PSYC 203: Developmental Psychology CHEM 301: Biochemistry PEES 310: Kinesiology and Exercise Biomechanics	9-10
TOTAL MAJOR EMPHASIS REQUIREMENTS	64-65
ADDITIONAL ELECTIVES	20-21
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 hours earned in 300 or above level courses, of which 12 hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: CHEMISTRY
CERTIFICATION: SECONDARY EDUCATION

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS (For approved courses see the General Education: www.lander.edu/gen-ed.)	
A. Core Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 123: Calculus and its Applications	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Introduction to Statistical Methods I	3
PHYS 201: Introductory Physics I or PHYS 211: General Physics I	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
CHEM 111: General Chemistry I	4
CHEM 112: General Chemistry II	4
CHEM 221: Organic Chemistry I	4
CHEM 331: Chemical Instrumentation	4
CHEM 401: Physical Chemistry I	4
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
BIOL 112: Principles of Biology II	4
CHEM 420: Environmental Chemistry	3
PHYS 202: Introductory Physics II or PHYS 212: General Physics II	4
Choose **two** of the following:	6-8
ASTR 101: Introduction to Astronomy or higher	

BIOL 111: Principles of Biology I or higher CHEM 222: Organic Chemistry II or higher CIS 130: Problem Solving and Programming Methods or higher ES 111: Environmental Sustainability or higher GEOL 111: Physical Geology or higher MATH 141: Single Variable Calculus I or higher PHYS 203: Electronics	
TOTAL MAJOR PROGRAM REQUIREMENTS	37-39
TEACHER CERTIFICATION REQUIREMENTS	
PSCI 451: Science Pedagogy	3
EDUC 203: Field Experience I	0.5
EDUC 204: Instructional Technology for Teachers	3
EDUC 223: General Pedagogy	3
EDUC 250: Adolescent Development and Learning Communities	3
EDUC 320: Reading and Writing in the Content Area	3
EDUC 321: Foundations of Reading	3
EDUC 329: Field Experience II	0.5
EDUC 429: Clinical Practice A	1
EDUC 461: Clinical Practice B	11
EDUC 499: Teacher Education Seminar	1
SPED 223: PreK-12 Students with Diverse Learning Needs	3
TOTAL TEACHER CERTIFICATION REQUIREMENTS	35
ADDITIONAL ELECTIVES	11-13
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 hours earned in 300 or above level courses, of which 12 hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: ENVIRONMENTAL SCIENCE

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 123: Calculus and its Applications or MATH 141: Single Variable Calculus I	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Statistical Methods I	3
PHYS 201: Introductory Physics I or PHYS 211: General Physics I	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or POLS 101: American National Government	
F. World Cultures	
ES 314: Cultural Perspectives of Global Climate Change	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
BIOL 111: Principles of Biology I	4
BIOL 306: Ecology	4
BIOL 415: Limnology	4
CHEM 111: General Chemistry I	4
CHEM 112: General Chemistry II	4
CHEM 221: Organic Chemistry I	4
CHEM 330: Analytical Chemistry	5
CHEM 420: Environmental Chemistry	3
ES 111: Environmental Sustainability	3
ES 301: Introduction to Environmental Science 1	4
ES 302: Introduction to Environmental Science 2	4

ES 310: Environmental Geology	3
ES 407: Research in Environmental Science	3
or ES 490: Internship in Environmental Science	
GEOL 111: Physical Geology	4
or PSCI 112: Earth and Space Science	
GEOL 405: Hydrogeology	3
PSCI 499: Senior Seminar	3
MAJOR PROGRAM ELECTIVES	6-8
(Choose 2 from the following)	
BIOL 213: Botany	
BIOL 303: Evolution	
BIOL 313: Plant Anatomy	
BIOL 421: General Microbiology	
CHEM 222: Organic Chemistry	
CHEM 260: Microscopical Methods	
CHEM 301: Biochemistry	
CHEM 331: Chemical Instrumentation	
CHEM 360: Toxicology	
CHEM 381: Technology, The Environment, and You	
TOTAL MAJOR PROGRAM REQUIREMENTS	65-67
ADDITIONAL ELECTIVES	18-20
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned in 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF SCIENCE**
MAJOR: **ENVIRONMENTAL SCIENCE**
EMPHASIS: **FORENSIC SCIENCE**

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 123: Calculus and its Applications or	3
MATH 141: Single Variable Calculus I	
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	6
(6 hours selected from 2 different disciplines)	
ANTH 104: Cultural Anthropology	3
Behavioral and Social Perspectives course	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211: Statistical Methods I	3
PHYS 201: Introductory Physics I or	
PHYS 211: General Physics I	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	
ES 314: Cultural Perspectives of Global Climate Change	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS	
BIOL 111: Principles of Biology I	4
BIOL 306: Ecology	4
BIOL 415: Limnology	4
CHEM 111: General Chemistry I	4
CHEM 112: General Chemistry II	4
CHEM 221: Organic Chemistry I	4
CHEM 330: Analytical Chemistry	5
CHEM 420: Environmental Chemistry	3

ES 111: Environmental Sustainability	3
ES 301: Introduction to Environmental Science 1	4
ES 302: Introduction to Environmental Science 2	4
ES 310: Environmental Geology	3
ES 407: Research in Environmental Science or ES 490: Internship in Environmental Science	3
GEOL 111: Physical Geology or PSCI 112: Earth and Space Science	4
GEOL 405: Hydrogeology	3
PSCI 499: Senior Seminal	3
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
CHEM 101: Introduction to Criminalistics	3
CHEM 260: Microscopical Methods	3
CHEM 360: Toxicology	3
Choose two from the following: BIOL 213: Botany BIOL 303: Evolution BIOL 312: Genetics BIOL 313: Plant Anatomy BIOL 421: General Microbiology CHEM 222: Organic Chemistry CHEM 301: Biochemistry CHEM 331: Chemical Instrumentation CHEM 381: Technology, the Environment and You POLS 313: Judicial Process	6-8
TOTAL MAJOR PROGRAM REQUIREMENTS	74-76
ADDITIONAL ELECTIVES	9-11
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned in 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

DEPARTMENT OF MATHEMATICS AND COMPUTING

The Department of Mathematics and Computing provides students with opportunities to earn Bachelor of Science degrees in computer information systems or in mathematics. Honors programs and minors are also offered in both disciplines. A degree in engineering is available through Lander University's dual-degree program with Clemson University. Students who complete this dual-degree program receive a bachelor's degree in Engineering from Clemson University and a bachelor's degree in either computer information systems or mathematics from Lander University.

The Department's webpage (http://www.lander.edu/mathcis) contains information about the individual programs of study, scholarships available for students majoring in computer information systems or mathematics, a link to an on-line application for these scholarships, and links to the home pages of faculty members.

Computer Information Systems Major

Computer information systems are prominent in the modern world. The Computer Information Systems (CIS) major allows students to develop the knowledge and skills required to understand these systems and participate in their creation and maintenance.

The computer information systems major at Lander has three components: core courses, an emphasis within CIS, and a minor outside CIS. The core requirements form the basis of the program by providing the fundamentals necessary for advanced study. The emphasis allows a student to develop a specialization within computer information systems. The minor provides a domain where CIS can be put into practice.

The curriculum and courses are designed and updated to accomplish the following program goals. All students graduating with a Bachelor of Science degree in Computer Information Systems will demonstrate:

- the skills needed to solve CIS problems;
- effective oral and written communications skills;
- the ability to independently research and complete a CIS project; and
- an understanding of the legal and ethical issues they may encounter as CIS professionals.

The CIS core includes courses in problem solving and programming skills (CIS 130, CIS 230, CIS 231, CIS 234), productivity tools, (CIS 102), information management (CIS 120, CIS 320), data communications (CIS 240), computer organization (CIS 335), analysis and design (CIS 321), and database design (CIS 360). It also includes the senior level capstone experience (CIS 499).

Students can choose an emphasis in software development, in networking, or in computer engineering. The software development emphasis requires advanced courses in emerging environments and software development. The networking emphasis covers data communications and computer networking in depth.

The computer engineering emphasis is part of Lander's dual-degree program with Clemson University. Students in the computer information systems/computer engineering dual-degree program must complete specific mathematics and science courses at Lander in order to meet the program requirements of Clemson University. Students completing this program will be awarded both a BS in computer information systems from Lander University with a minor in mathematics, and a BS in computer engineering from Clemson University.

The computer information systems major requires that each student complete a minor. This minor provides competency in a secondary area where CIS can be applied. Students may choose from a number of minors, as indicated in the table below. Other minors (or a second major) offered across campus are eligible for consideration as well. The mathematics minor is suggested for students interested in pursuing graduate studies and is required for students in the computer engineering emphasis.

Minor	Software Development	Networking	Dual Degree
Mathematics	√	√	√
Business	√	√	
Health Care Management	√	√	
Sociology	√	√	
Psychology	√	√	
Political Science	√	√	
Electronic Art	√		
Music	√		
Cybersecurity	√	√	

In order to complete a computer information systems degree program in a timely fashion, students should complete the problem solving and programming skills sequence (CIS 130, CIS 230, CIS 231), along with CIS 102 and CIS 120, by the end of their third or fourth semester.

A grade of "C" or better is required in all computer information systems courses applied to the major, with the following exception: a grade of "D" will be allowed in at most one CIS course at the 300- or 400-level. Courses in oral and/or written communication skills (SPCH 101 and WRIT 275) are strongly encouraged.

All students pursuing a degree in computer information systems are required to participate in program assessment activities and an exit interview with the computer information systems faculty during their final year at Lander University.

The program requirements for the CIS major and the dual-degree program are articulated on the individual program worksheets. A successful graduate in the computer information systems major will have competency in the following areas:

Information System Principles. This includes systems theory and concepts, information systems in organizations, decision support systems, and evaluation of systems performance.

Programming Principles. This includes problem solving, algorithm development, and application programming using structured and object-oriented approaches that stress abstraction, programming style, two or more high-level languages, and various software development environments.

Data Organization and Management. This includes data and file structures, access methods, algorithm design and analysis, and relational database organization and design.

Computer Organization. This includes logical organization of computers, levels of abstraction, machine and assembly languages, data representation and addressing, and memory management.

Data Communications and Networking. This includes networking and telecommunications concepts and standards, distributed computing, networked information technologies, protocols, and e-commerce.

System Development Methodology. This includes requirements specifications, analysis, design, implementation, and testing. Also, software tools, system prototyping, robustness of systems, documentation, efficiency, ethics, human-computer interaction, and software development in a team environment.

Information Systems Applications. Each student will have demonstrated competency in an approved application area through completion of a minor or second major in that area.

The following courses will be offered as indicated.
(NOTE: PHYS 203 is offered in the Department of Physical Sciences.)

Every Fall	**Every Spring**
CIS 102	CIS 120
CIS 130	CIS 130
CIS 230	CIS 140
CIS 231	CIS 230
CIS 243	CIS 234
CIS 344	CIS 240
	CIS 260
	CIS 343
	CIS 499
	MATH 125
Even Year Fall	**Odd Year Spring**
CIS 250	CIS 360
CIS 300	CIS 440
CIS 321	CIS 498
CIS 340	MATH 200
	PHYS 203
Odd Year Fall	**Even Year Spring**
CIS 202	CIS 320
CIS 335	CIS 330
CIS 341	

Computer Information Systems Honors Program

Students majoring in computer information systems may earn a "BS Degree with Honors" in computer information systems. To qualify, a student must:

1. Complete the following courses:
   MATH 141, MATH 142, MATH 325, CIS 330, CIS 498, and any two of CIS 340, CIS 341, or CIS 440.
2. Complete six credit hours of a foreign language. This foreign language may not be English or the student's native language.
3. Submit a research proposal by January 15 of the junior year. The proposal must be approved by a majority of the computer information systems faculty and result in a finished product of sufficient quality to:
   a) Receive three hours of credit (CIS 390), and
   b) Be accepted for publication or presented at a meeting of a computing society such as the Association for Computing Machinery; or be presented as a seminar to faculty, students, and guests.
4. Graduate with a BS degree in computer information systems with a grade point average of 3.5 in both overall coursework and in computer information systems coursework.

Engineering Dual-Degree Program

Students who wish to combine study in mathematics or computer information systems with a liberal arts program with further study in an engineering discipline may do so under the Lander University-Clemson University Engineering Dual-Degree Program. A student who completes this program of study will benefit from the experience of dividing their academic career between the liberal arts environment of a small university campus and the engineering climate of a large, technically-oriented university. This unique combination of study on two differently oriented campuses provides students with excellent engineering training strongly complemented by study in the humanities and social sciences.

This program can be applied to the following engineering disciplines at Clemson: biosystems and materials, ceramic, civil, computer, electrical, industrial, and mechanical. Computer engineering at Clemson may be combined with either a mathematics or a computer information systems major at Lander. The other engineering disciplines are coupled with a mathematics major at Lander.

Students apply for admission to Clemson during their third academic year at Lander University. Acceptance into the Clemson engineering program is at the discretion of that university. Clemson recommends that prospective students enroll in a summer school session at Clemson following their sophomore or junior year at Lander.

A grade of "C" or better is required in all courses applied to the dual-degree program and in all courses that must transfer to Clemson University.

Dual-degree engineering majors enter Clemson University at a level competitive with students already at that university. Successful completion of the program will result in the student being awarded a Bachelor of Science degree in Engineering from Clemson University and a Bachelor of Science degree in their major from Lander University.

Students will have competency in the following areas prior to leaving for Clemson University:

A. COMPUTER INFORMATION SYSTEMS/ENGINEERING DUAL DEGREE

Information System Principles. This includes systems theory and concepts, information systems in organizations, decision support systems, and evaluation of systems performance.

Programming Principles. This includes problem solving, algorithm development, and application programming using structured and object-oriented approaches that stress abstraction, programming style, two or more high-level languages, and various software development environments.

Data Organization and Management. This includes data and file structures, access methods, algorithm design and analysis, and relational database organization and design.

Computer Organization. This includes logical organization of computers, levels of abstraction, machine and assembly languages, data representation and addressing, and memory management.

Data Communications and Networking. Includes networking and telecommunications concepts and standards, distributed computing, networked information technologies, protocols, and electronic commerce.

System Development Methodology. This includes requirements specifications, analysis, design, implementation, and testing. Also, software tools, system prototyping, robustness of systems, documentation, efficiency, ethics, human-computer interaction, and software development in a team environment.

B. MATHEMATICS/ENGINEERING DUAL DEGREE

The Foundations of Mathematics. This includes first and foremost a firm grounding in the major concepts of mathematics needed for continued learning in the field of engineering. Students must learn to analyze a given situation, extract the pertinent facts, and then draw correct conclusions. Specifically included are basic algebraic operations, the elements of set theory, and the fundamentals of logic.

Advanced Algebra. This includes knowledge of the basic constructs of linear algebra.

Analysis. This includes both calculus and differential equations. Students must have knowledge of continuity, differentiation, integration, sequences and series, and multivariable calculus. Students must be able to solve the basic differential equations that arise in engineering applications.

Probability and Statistics. This includes the acquisition and analysis of data, probability, discrete and continuous probability distributions, estimation using confidence intervals, tests of hypotheses, and linear regression.

Mathematics Major

Mathematics is fundamental to both the theoretical and the practical problem-solving components of virtually every field of study. The goal of the mathematics major at Lander University is to provide students with the opportunity and the direction to enjoy the intellectual challenges of mathematics, and to develop the communication skills and the mathematical knowledge necessary to function competently in graduate school and/or in employment. A successful graduate with a mathematics major will have specific competency in:

1. *The Foundations of Mathematics.* This includes first and foremost a firm grounding in the major concepts and applications of mathematics needed for successful continued learning in the field. Students must learn

to analyze a given situation, extract the pertinent facts, and then draw correct conclusions. Specifically included are basic algebraic operations, the elements of set theory, and the fundamentals of logic.

2. *Advanced Algebra.* This includes the fields of linear and abstract algebra. Specifically, the student must know the basic concepts and applications in these fields, including a basic understanding of groups, rings, fields, and vector spaces.
3. *Analysis.* This includes calculus and at least one of the fields of real or complex analysis. Students must know the basic concepts and applications of continuity, differentiation, integration, sequences and series, and multivariable calculus. Additionally, all students will be able to solve the basic differential equations that arise in common applications.
4. *Probability and Statistics.* Students must know the basic concepts and applications of acquisition and analysis of data, probability, discrete and continuous probability distributions, estimation using confidence intervals, tests of hypotheses, and linear regression.

The requirements for a degree in mathematics are as follows: twelve hours of calculus (MATH 141, 142, and 241), differential equations (MATH 242), linear algebra (MATH 308), probability and statistics (MATH 311), abstract algebra (MATH 421), real analysis (MATH 431), an introduction to Mathematical Proof (MATH 134), the capstone course (MATH 499), calculus-based physics (PHYS 211), CIS 130, completion of either the abstract algebra or analysis sequence (MATH 422 or MATH 432), nine hours of mathematics content electives at the 300 level or above (except MATH 450 and MATH 451), plus one of the following CIS 230, PHYS 212, MATH 212, or an additional three hours of mathematics content electives at the 300 level or above (except MATH 450 and MATH 451). Students obtaining secondary teacher certification are required to take courses in discrete mathematics, mathematics history, geometry, teaching technologies and teaching methods (MATH 325, MATH 350, MATH 351, MATH 450 and MATH 451, respectively).

A grade of "C" or better is required in all mathematics courses applied to the major with the following exception: a grade of "D" will be allowed in at most one mathematics course provided a GPA of 2.0 is maintained in mathematics courses applied to the major.

During their final year at Lander University, all students seeking a degree in mathematics are required to participate in program assessment activities including an assessment exam in mathematics and an exit interview with the mathematics faculty as part of the capstone course.

Mathematics, Secondary Teacher Certification

Students enrolled in Secondary (History, English, Chemistry, Mathematics) or PK-12 (PE, Art, Music):

Provisional Status

1. Demonstrate professional behaviors and dispositions* at all times.
2. Maintain a minimum 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
3. Pass **ALL 3** sections of Praxis Core or have exempting SAT/ACT scores on file at Lander University and confirmed by the Department of Teacher Education.
4. Successfully complete other reviews as required by departments in specific content areas.
5. Apply for admission to the professional program in teacher education (see Department of Teacher Education section of catalog for requirements).

Candidate Status

1. Enter candidacy with formal admission to the professional program in teacher education.
2. Demonstrate professional behaviors and dispositions* at all times.
3. Maintain a 2.75 GPA on Lander coursework; achieve a grade of "B" or higher in each field experience; achieve a grade of "C" or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department's GPA requirements within the specific content area).
4. Take the Praxis II prior to the student teaching semester**
5. Take the PLT (Principles of Learning and Teaching) by the end of the student teaching semester **

6. Successfully complete other departmental requirements, reviews, projects, or milestones.

Students not meeting one or more of the requirements will not progress to Candidate Status.

*Lander University has high expectations for all teacher education majors. Teacher education majors who exhibit unacceptable dispositions may be removed from the program. Procedures for removal are outlined within the Department of Teacher Education handbook.

**Praxis II and PLT must be passed to apply for certification with the South Carolina Department of Education.

The following mathematics courses will be offered as indicated.

Every Fall	**Every Spring**
MATH 141	MATH 134
MATH 241	MATH 141
MATH 308	MATH 142
	MATH 212
	MATH 242
	MATH 499
Even Year Fall	**Odd Year Spring**
MATH 300	MATH 351
MATH 325	MATH 432
MATH 431	
MATH 451	
Odd Year Fall	**Even Year Spring**
MATH 311	MATH 350
MATH 421	MATH 422
MATH 450	

Mathematics Honors Program

Students majoring in mathematics may earn a "BS Degree with Honors" in mathematics. To qualify, a student must meet the following conditions:

1. In addition to the normal course requirements for a BS degree in mathematics, the student must complete the following courses:
   MATH 432, MATH 422, with a total of 30 credits of coursework in mathematics at the 300-level or above.
2. The student must complete six credit hours of a college level language. This language may not be English or the student's native language.
3. The student must submit a project proposal no later than January 15 of the junior year. The proposal must be approved by a majority of the full-time mathematics faculty and result in a finished product of sufficient quality to:
   a) Receive a grade of "A" or "B" (MATH 390) and
   b) Be accepted for publication or presented at a meeting of a mathematical society; or be presented as a seminar to mathematics faculty, students, and guests.
4. Upon graduation, the student must have a cumulative GPA of 3.5 or better in both overall coursework and in mathematics coursework.

NOTE: In lieu of requirement 1 above, the student may complete an engineering degree at Clemson University under the engineering/mathematics dual-degree program. The student may then substitute an approved engineering project at Clemson for requirement 3 above.

Special situations may require a deviation from these requirements (such as for students seeking teacher certification in mathematics or those in the engineering program). All deviations must be approved by a majority of the mathematics faculty.

Transfer students who wish to pursue an Honors Program in Mathematics must spend at least four full-time semesters (fall or spring) at Lander University and complete at least 21 credit hours of mathematics courses at

Lander University. They must also have an overall GPA of 3.5 on all courses transferred and a GPA of 3.5 on mathematics courses transferred.

Minors Offered

Computer Information Systems Minor

A minor in computer information systems consists of
- CIS 102, CIS 120, CIS 130, CIS 230, CIS 231, CIS 321, and
- one of the following courses: MATH 125, MATH 212, MATH 270, MATH 308, MATH 311, MATH 325.

A grade of "C" or better is required in each course applied to the computer information systems minor.

Cybersecurity Minor

A minor in cybersecurity consists of
- CIS 130, CIS 140, CIS 240, CIS 243, CIS 260, and
- two of the following courses: CIS 343, CIS 344, CIS 345, CIS 443.

A grade of "C" or better is required in each course applied to the cybersecurity minor.

Data Science Minor

A minor in data science consists of 19 credit hours, as follows:

DSCI 130: Introduction to Data Science	3
DSCI 230: Introduction to Data Science Programming	4
MATH 211: Statistical Methods I or MATH 311: Mathematical Statistics	3
Choose one of the following combinations	9

- CIS 360: Database Design,
  DSCI 231: Data Visualization, and
  DSCI 330: Big Data Analysis
- CIS 360: Database Design,
  BA 226: Introduction to Analytical Methods, and
  DSCI 330: Big Data Analysis
- MATH 208: Applied Linear Algebra or
  MATH 308: Linear Algebra,
  MATH 213: Supervised Machine Learning, and
  DSCI 340: Applied Machine Learning
- MATH 208: Applied Linear Algebra or
  MATH 308: Linear Algebra,
  MATH 214: Unsupervised Machine Learning, and
  DSCI 440: Applied Deep Learning

TOTAL 19

Some courses in this minor have pre-requisites, such as: CIS 120, CIS 230, CIS 102 or CIS 202, and MATH 125 or 325

A grade of "C" or better is required in each course applied to the data science minor.

Information Technology Minor

A minor in information technology consists of
- a mathematics requirement:
  MATH 114: Precalculus
  MATH 121: Mathematical Applications
  MATH 123: Calculus and its Applications
  MATH 141: Single Variable Calculus I
  or MATH 211: Statistical Methods I

- introductory computer applications courses
  CIS 120: Fundamentals of Information Systems and Information Technology
  and either
  CIS 102: Application Software
  or CIS 202: Computer Applications for Engineers (6 credit hours)
  (CIS 202 requires completion of MATH 141);
- problem solving and computer programming courses
  CIS 130: Problem Solving and Programming Methods
  CIS 230: Computer Programming Principles I
- one computer networks or advanced computer information systems course chosen from the following:
  CIS 240: Introduction to Data Communications
  CIS 250: Introduction to E-Commerce
  CIS 320: Information Systems and Practice
  CIS 321: Analysis and Design
  CIS 360: Database Design

Students must earn a 2.0 GPA in courses in the minor.

Mathematics Minor

A minor in mathematics consists of

- Twelve hours of Calculus (MATH 141, MATH 142, and MATH 241),

- Nine hours from the following: MATH 212, MATH 242, or any three hour 300- or 400-level mathematics content course.

A grade of "C" or better is required in each course applied to the mathematics minor.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: COMPUTER INFORMATION SYSTEMS
PROGRAM: DUAL ENGINEERING

Credit Hours

UNIVERSITY REQUIREMENT

FALS 101: Fine Arts and Lecture Series (Temporarily suspended) 0

GENERAL EDUCATION REQUIREMENTS

(For approved courses see General Education: www.lander.edu/gen-ed.)

A. Core Academic Skills (9 hours)
ENGL 101: Writing and Inquiry I 3
ENGL 102: Writing and Inquiry II 3
MATH 141: Calculus I 4

B. Humanities and Fine Arts
(6 hours selected from 2 different disciplines)
HUMA 285, PHIL 101, PHIL 103, MUSI 101, or THTR 201 3
ENGL 201, ENGL 202, ENGL 204, ENGL 205, ENGL 214, ENGL 221, or ENGL 241 3

C. Behavioral and Social Perspectives
(6 hours selected from 2 different disciplines)
HIST 101, HIST 102, or POLS 103 3
PSYC 101, SOCI 101, or POLS 103 3

D. Scientific and Mathematical Reasoning
(7 hours selected from 2 different disciplines, 1 lab science required)
CHEM 111: General Chemistry 4
PHYS 211: General Physics I 4

E. Founding Documents of the United States 3
HIST 111: United States History to 1877 or
POLS 101: American National Government

F. World Cultures 3
ES 314: Cultural Perspectives of Global Climate Change

G. LINK 101: Leadership, Involvement, Networking and Knowledge 1

LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen

TOTAL GENERAL EDUCATION REQUIREMENTS 37

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours

MAJOR PROGRAM CORE REQUIREMENTS

CIS 120: Fundamentals of Information Systems and Information Technology 3
CIS 130: Problem Solving and Programming Methods 4
CIS 230: Computer Programming Principles I 4
CIS 231: Computer Programming Principles II 4
CIS 234: Introduction to C/C++ Programming 1
CIS 240: Introduction to Data Communications 3

CIS 320: Information Systems and Practice	3
CIS 321: Analysis and Design	3
ECE 272: Computer Organization (at Clemson) *Students take EC 272 at Clemson in place of CIS 335: a core requirement at Lander*	
CIS 360: Database Design	3
CIS 499: Project Implementation and Management	3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

CIS 202: Computer Applications for Engineers	3
MATH 134: Introduction to Mathematical Proof	3
PHYS 212: General Physics II	4

REQUIRED MATHEMATICS MINOR

MATH 142: Calculus II	4
MATH 241: Calculus III	4
MATH 242: Differential Equations	4
MATH 308: Linear Algebra or MATH 325: Discrete Mathematics	3
MATH 311: Mathematical Statistics	3
TOTAL MAJOR PROGRAM REQUIREMENTS	59
ADDITIONAL ELECTIVES	24

Students in this program must complete Clemson University requirements for a BS in Computer Engineering. Credits transferred from Clemson complete the required hours for graduation from Lander University.

TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: COMPUTER INFORMATION SYSTEMS
EMPHASIS: NETWORKING

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics: Choose one from the following:	3-4
MATH 121: Mathematical Applications	
MATH 123: Calculus and its Applications	
MATH 141: Calculus I	
B. Humanities and Fine Arts	
(*6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives	
(*6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
*MATH 212: Statistical Methods II or MATH 142: Calculus II	3-4
PHYS 203: Electronics	4
E. Founding Documents of the United States	3
POLS 101: American National Government or	
HIST 111: United States History to 1877	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
CIS 120: Fundamentals of Information Systems and Information Technology	3
CIS 130: Problem Solving and Programming Methods	4
CIS 230: Computer Programming Principles I	4
CIS 231: Computer Programming Principles II	4
CIS 234: Introduction to C/C++ Programming	1
CIS 240: Introduction to Data Communications	3
CIS 320: Information Systems and Practice	3
CIS 321: Analysis and Design	3
CIS 335: Computer Organization	3
CIS 360: Database Design	3
CIS 499: Project Implementation and Management	3

MAJOR PROGRAM EMPHASIS REQUIREMENTS

CIS 102: Application Software or successful completion of exemption exam, or CIS 202: Computer Applications for Engineers	0-3
CIS 250: Introduction to E-Commerce	3
CIS 340: Communication Protocols	3
CIS 341: Theory of Data Communications	3
CIS 440: Special Topics in Networking and Communication	3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

*MATH 125: or MATH 325: Discrete Mathematics	3
*MATH 211: Statistical Methods I or MATH 311: Mathematical Statistics	3
And one of the following MATH 200: Introduction to Modeling and Simulation MATH 242: Differential Equations MATH 300: Numerical Analysis MATH 308: Linear Algebra	3-4
TOTAL MAJOR PROGRAM REQUIREMENTS	55-59
ADDITIONAL ELECTIVES (including required minor*)	26-30
Up to 6 hours may need to be at the 300-level or above. The remaining hours may be at any level	
TOTAL FOR BS DEGREE	120

*Select appropriate courses according to the chosen minor. Approved minors are listed in the catalog's description of the major.

Coursework must include at least 30 hours earned in 300 or above level courses, of which 12 hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: COMPUTER INFORMATION SYSTEMS
EMPHASIS: SOFTWARE DEVELOPMENT

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics: Choose one from the following:	3-4
MATH 121: Mathematical Applications	
MATH 123: Calculus and its Applications	
MATH 141: Calculus I	
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	6
(6 hours selected from 2 different disciplines)	
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
*MATH 212: Statistical Methods II or MATH 142: Calculus II	3-4
PHYS 203: Electronics	4
E. Founding Documents of the United States	3
POLS 101: American National Government or	
HIST 111: United States History to 1877	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
CIS 120: Fundamentals of Information Systems and Information Technology	3
CIS 130: Problem Solving and Programming Methods	4
CIS 230: Computer Programming Principles I	4
CIS 231: Computer Programming Principles II	4
CIS 234: Introduction to C/C++ Programming	1
CIS 240: Introduction to Data Communications	3
CIS 320: Information Systems and Practice	3
CIS 321: Analysis and Design	3
CIS 335: Computer Organization	3
CIS 360: Database Design	3

CIS 499: Project Implementation and Management	3
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
CIS 102: Application Software or successful completion of exemption exam, or CIS 202: Computer Applications for Engineers	0-3
CIS 250: Introduction to E-Commerce	3
CIS 330: Software Development: Fundamentals and Techniques	3
CIS 498: Design and Implementation in Emerging Environments	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
*MATH 125: or MATH 325: Discrete Mathematics	3
*MATH 211: Statistical Methods I or MATH 311: Mathematical Statistics	3
*And one of the following MATH 200: Introduction to Modeling and Simulation MATH 242: Differential Equations MATH 300: Numerical Analysis MATH 308: Linear Algebra	3-4
TOTAL MAJOR PROGRAM REQUIREMENTS	52-56
ADDITIONAL ELECTIVES (including required minor*)	29-33
Up to 9 credit hours may need to be 300-level or above. The remaining hours may be at any level.	
TOTAL FOR BS DEGREE	120

*Select appropriate courses according to the chosen minor. Approved minors are listed in the catalog's description of the major.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: CYBERSECURITY
EMPHASIS: COMPUTER INFORMATION SYSTEMS

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses see the General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics One of the following:	3-4
MATH 121: Mathematical Applications	
MATH 123: Calculus and its Applications	
MATH 141: Calculus I	
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives	
(*6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 212: Statistical Methods II	3
Lab Science	4
E. Founding Documents of the United States	3
POLS 101: American National Government OR	
HIST 111: United States History to 1877	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35-36
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
CIS 102: Application Software or successful completion of exemption exam,	0-3
CIS 120: Fundamentals of Information Systems and Information Technology	3
CIS 130: Problem Solving and Programming Methods	4
CIS 140: Networking Lab	1
CIS 230: Computer Programming Principles I	4
CIS 240: Introduction to Data Communications	3
CIS 243: Fundamentals of Cyber Security	3
CIS 260: Network and Systems Administration	3
CIS 343: Computer Forensics	3

CIS 344: Network Security and Forensics	3
CIS 345: Introduction to Cryptography	3
CIS 346: Cybersecurity Planning and Management	3
CIS 360: Database Design	3
CIS 449: Cybersecurity Capstone	3

MAJOR PROGRAM EMPHASIS REQUIREMENTS

CIS 231: Computer Programming Principles II	4
CIS 320: Information Systems and Practice	3
CIS 341: Theory of Data Communications	3

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

MATH 125: or MATH 325: Discrete Mathematics	3
MATH 211: Statistical Methods I or MATH 311: Mathematical Statistics	3
And one of the following:	3-4
MATH 200: Introduction to Modeling and Simulation	
MATH 242: Differential Equations	
MATH 300: Numerical Analysis	
MATH 308: Linear Algebra	
TOTAL MAJOR PROGRAM REQUIREMENTS	58-62
ADDITIONAL ELECTIVES	22-27
Up to 6 credit hours may need to be 300-level or above. The remaining hours may be at any level.	
TOTAL FOR BS DEGREE	120

* Recommended courses: SOC 101 and PSYC 101

Coursework must include at least 30 hours earned in 300 or above level courses, of which 12 hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: DATA SCIENCE
EMPHASIS: BUSINESS ANALYTICS

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 123: Calculus and Its Applications	3
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
ECON 101: Economics in Society	3
Behavioral and Social Perspectives	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211	3
Laboratory Science	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877, or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS	
CIS 120: Fundamentals of Information Systems and Information Technology	3
CIS 130: Problem Solving and Programming Methods	4
CIS 230: Computer Programming Principles I	4
CIS 234: Introduction to C/C++ Programming	1
CIS 360: Database Design	3
DSCI 130: Introduction to Data Science	3
DSCI 230: Introduction to Data Science Programming	4
DSCI 231: Data Visualization	3
DSCI 330: Big Data Analysis	3
DSCI 340: Applied Machine Learning	3

DSCI 440: Applied Deep Learning	3
DSCI 499: Data Science Capstone	3
MATH 125: Introduction to Discrete Mathematics	3
MATH 208: Applied Linear Algebra	3
MATH 213: Supervised Machine Learning	3
MATH 214: Unsupervised Machine Learning	3
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
ACCT 201: Financial Accounting Principles	3
WRIT 275: Business Communications	3
BA 226: Introduction to Analytical Methods	3
BA 304: Management Information Systems	3
BA 325: Advanced Analytical Methods	3
TOTAL MAJOR PROGRAM REQUIREMENTS	64
ADDITIONAL ELECTIVES	21
Up to 9 credit hours may need to be 300-level or above. The remaining hours may be at any level.	
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: DATA SCIENCE
EMPHASIS: COMPUTER INFORMATION SYSTEMS

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 123: Calculus and Its Applications	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211	3
Laboratory Science	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877, or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS	
CIS 120: Fundamentals of Information Systems and Information Technology	3
CIS 130: Problem Solving and Programming Methods	4
CIS 230: Computer Programming Principles I	4
CIS 234: Introduction to C/C++ Programming	1
CIS 360: Database Design	3
DSCI 130: Introduction to Data Science	3
DSCI 230: Introduction to Data Science Programming	4
DSCI 231: Data Visualization	3
DSCI 330: Big Data Analysis	3
DSCI 340: Applied Machine Learning	3
DSCI 440: Applied Deep Learning	3
DSCI 499: Data Science Capstone	3

MATH 125: Introduction to Discrete Mathematics	3
MATH 208: Applied Linear Algebra	3
MATH 213: Supervised Machine Learning	3
MATH 214: Unsupervised Machine Learning	3
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
Choose 15 credit hours from the following: CIS 140: Networking Lab CIS 231: Computer Programming Principles CIS 240: Introduction to Data Communication CIS 250: Introduction to E-Commerce CIS 320: Information Systems and Practice CIS 321: Analysis and Design CIS 498: Design and Implementation in Emerging Environments	15
TOTAL MAJOR PROGRAM REQUIREMENTS	64
ADDITIONAL ELECTIVES	21
Up to 15 credit hours may need to be 300-level or above. The remaining hours may be at any level.	
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: DATA SCIENCE
EMPHASIS: MATHEMATICS

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 141: Calculus I	4
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 211	3
Laboratory Science	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877, or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	36
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
CIS 120: Fundamentals of Information Systems and Information Technology	3
CIS 130: Problem Solving and Programming Methods	4
CIS 230: Computer Programming Principles I	4
CIS 234: Introduction to C/C++ Programming	1
CIS 360: Database Design	3
DSCI 130: Introduction to Data Science	3
DSCI 230: Introduction to Data Science Programming	4
DSCI 231: Data Visualization	3
DSCI 330: Big Data Analysis	3
DSCI 340: Applied Machine Learning	3
DSCI 440: Applied Deep Learning	3
DSCI 499: Data Science Capstone	3

MATH 125:Introduction to Discrete Mathematics	3
MATH 208: Applied Linear Algebra	3
MATH 213: Supervised Machine Learning	3
MATH 214: Unsupervised Machine Learning	3
MAJOR PROGRAM EMPHASIS REQUIREMENTS	
MATH 142: Single Variable Calculus II	4
MATH 241: Multivariable Calculus	4
MATH 242: Differential Equations	4
MATH 300, MATH 431, or MATH 432	3
TOTAL MAJOR PROGRAM REQUIREMENTS	64
ADDITIONAL ELECTIVES	20
Up to 12 credit hours may need to be 300-level or above. The remaining hours may be at any level.	
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: MATHEMATICS

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 141: Calculus I	4
B. Humanities and Fine Arts	6
(6 hours selected from 2 different disciplines)	
C. Behavioral and Social Perspectives	6
(6 hours selected from 2 different disciplines)	
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 142: Calculus II	4
PHYS 211: General Physics	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877 or	
POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	37
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
MATH 241: Calculus III	4
MATH 242: Differential Equations	4
MATH 308: Linear Algebra	3
MATH 311: Mathematical Statistics	3
MATH 499: Capstone	1
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
CIS 130: Problem Solving and Programming Methods	4
MATH 134: Introduction to Mathematical Proof	3
MATH 421: Abstract Algebra I	3
MATH 431: Analysis I	3
MATH 422: Abstract Algebra II or MATH 432: Complex Analysis	3

MAJOR PROGRAM ELECTIVES

300-level or above Mathematics content courses except MATH 450 or MATH 451.	9
A 300-level or above Mathematics content course (except MATH 450 or MATH 451) or one of the following MATH 212: Statistical Methods II CIS 230: Computer Programming Principles I PHYS 212: General Physics	3-4
TOTAL MAJOR PROGRAM REQUIREMENTS	43-44
ADDITIONAL ELECTIVES	41-42
Up to 5 credit hours may need to be 300-level or above. The remaining hours may be at any level.	
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: MATHEMATICS
PROGRAM: DUAL ENGINEERING

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 141: Calculus I	4
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	
HUMA 285, PHIL 101, PHIL 103, MUSI 101, or THTR 201	3
ENGL 201, ENGL 202, ENGL 204, ENGL 205, ENGL 214, ENGL 221, or ENGL 241	3
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
HIST 101, HIST 102, or POLS 103	3
PSYC 101, SOCI 101, or POLS 103	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 142: Calculus II	4
PHYS 211: General Physics I	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877, or POLS 101: American National Government	
F. World Cultures	
ES 314: Cultural Perspectives of Global Climate Change	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	37
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
MATH 241: Calculus III	4
MATH 242: Differential Equations	4
MATH 308: Linear Algebra	3
MATH 311: Mathematical Statistics	3
MATH 499: Capstone Course Mathematics	1

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

CIS 130: Problem Solving and Programming Methods	4
CIS 202: Computer Applications for Engineers	3
MATH 134: Introduction to Mathematical Proof	3
MATH 421: Abstract Algebra I or MATH 431: Analysis I	3
PHYS 212: General Physics II	4
CHEM 111: General Chemistry I	4
CHEM 112: General Chemistry II or GEOL 111: Physical Geology If required for engineering field *Industrial, Mechanical, and Computer Engineering require only CHEM 111.* *Civil Engineering requires GEOL 111.* *All other engineering programs require CHEM 111 and CHEM 112.*	0-4

MAJOR PROGRAM ELECTIVES	9
MATH 212: Statistical Methods II or 300-level or above math content courses *Students in Mechanical Engineering strongly encouraged to take* *MATH 300: Numerical Analysis.* *Students in Electrical Engineering strongly encouraged to take* *MATH 431: Analysis I or MATH 432: Complex Analysis*	
TOTAL MAJOR PROGRAM REQUIREMENTS	45-49
ADDITIONAL ELECTIVES	34-38
Students in this program must complete Clemson University requirement for a BS in Engineering. Credits transferred from Clemson complete the required hours for graduation from Lander University.	
TOTAL FOR BS DEGREE	120

SPCH 101 is strongly encouraged for students in Ceramic and Materials, Electrical, and Industrial engineering programs.

CIS 230 is recommended for Electrical Engineering.

CIS 231 is recommended for Computer Engineering.

Coursework must include at least 30 credit hours earned in 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: **BACHELOR OF SCIENCE**
MAJOR: **MATHEMATICS**
CERTIFICATION: **SECONDARY TEACHER**

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 141: Calculus I	4
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	
PSYC 101: General Psychology	3
Behavioral and Social Perspectives elective	3
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	
MATH 142: Calculus II	4
PHYS 211: General Physics	4
E. Founding Documents of the United States	3
HIST 111: United States History to 1877	
or POLS 101: American National Government	
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen	
TOTAL GENERAL EDUCATION REQUIREMENTS	37
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
MATH 241: Calculus III	4
MATH 242: Differential Equations	4
MATH 308: Linear Algebra	3
MATH 311: Mathematical Statistics	3
MATH 499: Capstone	1
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
CIS 130: Problem Solving and Programming Methods	4
MATH 134: Introduction to Mathematical Proof	3

MATH 325: Discrete Mathematics	3
MATH 350: Mathematics History	3
MATH 351: Geometry	3
MATH 421: Abstract Algebra I	3
MATH 431: Analysis I	3
MATH 422: Abstract Algebra II or MATH 432: Complex Analysis	3
MATH 450: Technology in Secondary Mathematics	3
MATH 451: Secondary Mathematics Methods	3
TOTAL MAJOR PROGRAM REQUIREMENTS	46
TEACHER CERTIFICATION REQUIREMENTS	
** EDUC 203: Field Experience I	0.5
* EDUC 223: General Pedagogy	3
* EDUC 250: Adolescent Development and Learning Communities	3
* EDUC 320: Reading and Writing in the Content Area	3
* EDUC 321: Foundations of Reading	3
** EDUC 329: Field Experience II	0.5
** EDUC 429: Clinical Practice A	1
** EDUC 461: Clinical Practice B	11
* EDUC 499: Teacher Education Seminar	1
* SPED 223: PREK-12 Students with Diverse Learning Needs	3
TOTAL TEACHER CERTIFICATION REQUIREMENTS	29
ADDITIONAL ELECTIVES	8
TOTAL FOR BS DEGREE	120

* A Grade of "C" or better is required.
**A Grade of "B" or better is required.

Coursework must include at least 30 credit hours earned in 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

THE WILLIAM PRESTON TURNER SCHOOL OF NURSING

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Associate Professor of Nursing

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Director of RN BSN Online Option
Leisa Weston Myers, MSN, PMHCNS-BC, CNE
Associate Professor of Nursing
Roni Marie Noffz, BSN, RNC-OB
Clinical Instructor of Nursing
Kayla Pruitt, BSN, RNC-OB
Clinical Instructor of Nursing
Sarah Stone, MSN, RNC-OB, CMSRN
Lecturer of Nursing
Marshay Whimbush, BSN, RN
Clinical Instructor of Nursing
Stephanie Yonce, MSN, RN, CNE
Associate Professor of Nursing

THE WILLIAM PRESTON TURNER SCHOOL OF NURSING PROGRAMS OF STUDY

Degree Programs

BS in Nursing (Prelicensure)
BS in Nursing (Completion for Registered Nurses)
BS in Public Health
BS in Public Health, Genetic Health Studies
MSN: Clinical Nurse Leader (Please see the Lander University Graduate Catalog for details)

THE WILLIAM PRESTON TURNER SCHOOL OF NURSING

Lander University's William Preston Turner School of Nursing is committed to preparing individuals to provide holistic nursing care in a variety of settings to diverse clients across the lifespan. The purpose of the baccalaureate program is to prepare graduates within a liberal arts environment for the professional nursing roles of care provider, leader, consumer of research, candidate for advanced studies, and contributing member of the nursing profession.

The graduates are prepared to:

1. Apply the nursing process to promote an optimal level of wellness through the use of primary, secondary, and tertiary prevention/intervention strategies for individuals, families and communities;
2. Synthesize nursing theory with knowledge from selected other disciplines as a basis for care giving, communication, therapeutic interventions, and critical thinking;
3. Use appropriate problem-solving approaches in varied settings to promote wellness for diverse client systems;
4. Demonstrate leadership strategies to advance nursing practice and the nursing profession;
5. Utilize nursing research findings to improve the quality of nursing practice; and
6. Incorporate established standards of professional nursing as the foundation for own nursing practice.

Accreditation
The Bachelor of Science in Nursing program is approved by the South Carolina Board of Nursing for South Carolina (110 Centerview Dr. Suite 202, Columbia, SC 29210; telephone number: 803-896-4550) and the baccalaureate degree program in nursing and the master's degree program in nursing at Lander University are accredited by the Commission on Collegiate Nursing Education. (http://www.ccneaccreditation.org).

Curriculum
The prelicensure nursing curriculum is designed for completion in four academic years. Registered nurses may complete an RN-BSN option (*see requirements for admission as RN-BSN student*)**.** Progression through the nursing education program occurs in two stages: Lower Level and Upper Level. Lower level includes all prerequisite courses, all general education courses, NURS 165, NURS 235, and NURS 304.

Eligibility requirements to become licensed as a registered nurse in South Carolina may be found at: https://llr.sc.gov/.

Prelicensure Nursing Major Admission and Progression

Students enrolled as a nursing major must meet specific requirements to progress through the nursing education program. Progression through the nursing education program occurs in two stages: Lower Level and Upper Level. Lower Level includes all prerequisite courses, all general education courses, NURS 165, NURS 235, and NURS 304. It is recommended that students complete minor courses prior to progressing to the Upper Level. Progression is explained below. Transfer and second degree students please note special sections.

Progression Requirements

Nursing education is a cumulative process, in which the prerequisite course sequence establishes a foundation for subsequent content mastery in nursing courses and successful entry into practice.

I. Meet the university requirements for admission.

II. In order to progress to Upper Level, students must meet the following requirements: "C" or better in the nine required prerequisites and the three lower-level NURS courses: ENGL 101 and ENGL 102; MATH 121 or MATH 123 or MATH 141; MATH 211, CHEM 105 or CHEM 111; CHEM 106 or CHEM 112; BIOL 202 (Human Anatomy), BIOL 203 (Human Physiology), BIOL 204 (Microbiology), NURS 165, NURS 235, and NURS 304. Students must also complete all General Education requirements and electives.

III. Students must have a Lander Institutional GPA of at least 2.8 and must earn at least 2.8 on the nine required prerequisites to progress to Upper Level.

IV. To meet the standards of the Lander University School of Nursing, the South Carolina Board of Nursing, and clinical agency requirements, Lander University nursing students must present the following to progress to Upper Level: Current clear criminal background check and drug screening, health screening, current immunization status, current student nurse liability and health/accident insurance, and CPR certification for adult, child, infant and obstructed airway (The only course accepted is American Heart Association Healthcare Provider BLS). Evidence of the requirements listed above must be submitted and the approved vendor profile must be compliant by the first day of class each semester. The documentation must be valid throughout the academic year and not subject to expire during clinical rotations. Failure to comply with this requirement will result in forfeiture of space in clinical nursing classes. Students denied access to clinical sites will be ineligible to continue in the nursing major. The student is responsible for submitting completed documentation and keeping a copy of the documentation for personal use.

V. Students must earn a grade of "C" or better in all major program nursing courses (NURS) to progress in the major.

VI. Students may have only one unsuccessful (grade of "D" or "F") major program nursing course (NURS). This does not include elective or General Education nursing courses. Upon the second grade of less than "C" in a major program nursing course (NURS), the student will be dismissed from the nursing major.

VII. Withdrawal from Nursing Courses: nursing majors may withdraw from a major program nursing course (NURS) twice, but must be successful when enrolling in the individual nursing course the third time. Students may NOT enroll in an individual major program nursing course more than three times. Students may not exceed four withdrawals from major program nursing courses (NURS), including total withdrawals from the University. Withdrawals from the University will count as multiple individual course withdrawals. Required NURS courses that are dropped prior to the Drop/Add date will not be counted as individual course withdrawals. Students who exceed these limitations on major program nursing course (NURS) withdrawals will be dismissed from the nursing major.

VIII. Students seeking readmission to a major program nursing course(s) will be classified internally as out of sequence. Students who are out of sequence will need to submit the Application for Readmission to Nursing Classes Form. This includes students who withdraw from a course, are unsuccessful in a course, or withdraw from the university.

IX. Following successful completion of NURS 232 and upon progression to the second semester of the Upper Level, each student is required to pass a Medication Calculation Test (MCT) to assess medication administration competency. Students must complete the Medication Calculation Tests with 95% accuracy at the beginning of each semester in which the student will be enrolled in a nursing course with a clinical laboratory component. The student has a maximum of three attempts to pass the competency exams. A student who is unable to meet the 95% competency by the third exam will not be allowed to remain in a clinical course for that semester. The student must drop the clinical nursing course(s) by the University Drop/Add date. It is the student's responsibility to determine if they need to add other classes.

X. Upper Level students must achieve competency (level II or III) on proctored ATI tests or successfully complete the ATI remediation plan to progress in the major.

Transfer students:

Follow the progression requirements listed above with these exceptions:

I. Successful completion of at least 30 hours of college-level coursework including 12 credit hours at Lander.

II. Must have a GPA of at least a 2.8 in the nine required prerequisites: In order to progress to Upper Level, students must meet the following requirements: "C" or better in the nine required prerequisites and the three lower level NURS courses: ENGL 101 and ENGL 102; MATH 121 or MATH 123 or MATH 141; MATH 211, CHEM 105 or CHEM 111; CHEM 106 or CHEM 112; BIOL 202 (Human Anatomy), BIOL 203 (Human Physiology), BIOL 204 (Microbiology), NURS 165, NURS 235, and NURS 304. Students must also complete all General Education requirements. THIS INCLUDES COURSES TAKEN AT ANY INSTITUTION OF HIGHER EDUCATION.

Students must have completed their required prerequisite science and math courses (listed above) within 7 years prior to progressing to Upper Level nursing courses (NURS).

III. Students wishing to pursue a nursing degree from Lander University with any nursing courses from other nursing programs will be considered on a case-by-case basis with the following considerations:
   1. Students with any unsuccessful nursing courses ("D" or "F") from any other institution will be required to complete ALL of the nursing curriculum at Lander.
   2. Students may be asked to furnish a letter from the previous nursing school's dean or chair speaking to their eligibility for readmission or progression in their program.
   3. Students may be asked to participate in an interview with Lander nursing faculty. Providing requested documents or participating in an interview does not guarantee admission into Lander University School of Nursing.

Students who already possess a baccalaureate degree:

Follow the progression requirements listed above with these exceptions:

I. Must have at least a cumulative GPA of 2.8 (not rounded) on previous baccalaureate degree course work.

II. Must have a GPA of at least a 2.8 in the nine required prerequisites: In order to progress to Upper Level, students must meet the following requirements: "C" or better in the nine required prerequisites and the three lower level NURS courses: ENGL 101 and ENGL 102; MATH 121 or MATH 123 or MATH 141; MATH 211, CHEM 105 or CHEM 111; CHEM 106 or CHEM 112; BIOL 202 (Human Anatomy), BIOL 203 (Human Physiology), BIOL 204 (Microbiology), NURS 165, NURS 235, and NURS 304.
THIS INCLUDES COURSES TAKEN AT ANY INSTITUTION OF HIGHER EDUCATION.

Students must have completed their required prerequisite science and math courses (listed above) within 7 years prior to progressing to Upper Level nursing courses (NURS).

III. Students wishing to pursue a nursing degree from Lander University with any nursing courses from other nursing programs will be considered on a case-by-case basis with the following considerations:
   1. Students with any unsuccessful nursing courses ("D" or "F") from any other institution will be required to complete ALL of the nursing curriculum at Lander.
   2. Students may be asked to furnish a letter from the previous nursing school's dean or chair speaking to their eligibility for readmission or progression in their program.
   3. Students may be asked to participate in an interview with Lander nursing faculty. Providing requested documents or participating in an interview does not guarantee admission into Lander University School of Nursing.

Additional Guidelines for Admission and Progression (Prelicensure)

The following policies will be used to clarify and supplement the above admission and progression guidelines.

I. Out-of-Sequence Students
   A. Students seeking readmission to a major program nursing course(s) will be classified internally as "out-of-sequence.
   B. Students who are out-of-sequence will need to submit an Application for Readmission to Nursing Classes Form. Students will not be allowed to repeat a course without submitting the Application for Readmission to Nursing Classes Form. **Completion of the form does not guarantee a seat in the class**. Applications will be reviewed by the Dean after final grades are posted and seats granted based on availability. Students will be notified by email if their application is approved or denied.

II. Students admitted to the nursing major are required to take all nursing courses at Lander University.

III. A progression decision record will be maintained in the School of Nursing.

Requirements for Graduating with a BSN Degree (Prelicensure)

I. Completion of Lander University requirements for graduation.

II. Must complete major program nursing courses (NURS), mathematics requirements (MATH 121 or MATH 123 or MATH 141; and MATH 211), writing requirements (ENGL 101 and ENGL 102), and science requirements (CHEM 105 or CHEM 111; and CHEM 106 or CHEM 112; and BIOL 202, BIOL 203, and

BIOL 204, with a minimum grade of "C". This minimum grade requirement includes courses taken at any institution of higher learning.

III. Must complete major program nursing courses (NURS) within five years of starting them.

IV. Students may only have one unsuccessful (grade of "D" or "F") major program nursing courses (NURS). General Education and elective nursing courses do not count.

Nursing program graduation requirements exceed those of the university as indicators that the student has developed a current and comprehensive nursing knowledge base supported by an adequate foundation in science and mathematics.

Eligibility requirements to become licensed as a registered nurse in South Carolina may be found at https://llr.sc.gov/.

Endorsement for NCLEX-RN Examination (Prelicensure)

Students completing the Bachelor of Science in Nursing shall meet the following requirements before being endorsed to take the NCLEX-RN examination.

I. Complete all University and program requirements.

II. Complete NURS 460 NCLEX Endorsement Requirements.

III. Receive recommendation from the Dean.

IV. Meet the state requirements for endorsement to take the professional nurse licensure examination.

Students in NURS 460 are required to complete the ATI Capstone Modules and enroll in Virtual ATI (VATI). Students are required to attend a 3-day ATI NCLEX Live Review. After graduation, students must continue to complete VATI until ATI "green light" is obtained. Once green light is obtained, the endorsement (form or notification) to take the NCLEX-RN will be provided by the Dean of the School of Nursing to the State Board of Nursing. Students will not be endorsed to take the NCLEX-RN without obtaining green light in VATI.

RN-BSN Completion Option for Registered Nurses

Lander University offers an option for licensed registered nurses to complete a Bachelor of Science in Nursing degree with learning experiences concentrated in physical assessment, community health, leadership, management, and research. The BSN completion option for Registered Nurses is offered in an asynchronous online format. The online option is available to registered nurses and features web-based delivery that will enable registered nurse students to attend class at home and at their convenience via the Internet. Graduates will acquire professional level knowledge and skills to practice nursing in traditional and diverse settings and to enter graduate study in nursing and related fields.

Educational Philosophy for the Registered Nurse

In accordance with the philosophy of Lander University, the School of Nursing recognizes the educational preparation and experience of practicing nurses that is documented by licensure as a registered nurse.

The nursing faculty believes:

- The registered nurse student brings a variety of professional and personal experiences to the learning environment.
- Graduates of approved nursing education programs have a fundamental body of nursing knowledge and competence.
- Progression toward a higher degree in the same field should be available without undue repetition of content or experience.
- Professional nursing practice is founded on an evolving body of nursing knowledge supported by a strong liberal arts emphasis in behavioral, physical, and analytical sciences as well as the humanities.
- The registered nurse student is a motivated, self-directed adult learner.
- The complexity of nursing care currently needed by society requires that nurses continue to expand their areas of competence.

- Professional nursing practice requires a minimum of a baccalaureate degree in nursing.
- The adult learner should have available multiple instructional modalities, including online courses with self-directed and collaborative learning, to enhance and make accessible the educational process.

RN-BSN Admission and Progression Policies

Articulation Agreements: Contact the School of Nursing to inquire of current agreements with SC technical schools.

Requirements for admission as RN-BSN student

I. Meet university requirements for admission.

II. Maintain a current nursing license as an RN in state where student will attend clinicals.

III. Earn "C" or higher in 6 required courses – ENGL 101 and ENGL 102, BIOL 202 (Human Anatomy), BIOL 203 (Human Physiology) (2 semesters combined A and P course accepted), BIOL 204 (Microbiology), and MATH 211 (Statistics).

IV. To meet the standards of the Lander University School of Nursing, the South Carolina Board of Nursing, and clinical agency requirements, Lander University nursing students must present the following to enroll in clinical courses: Current clear criminal background check and drug screening, health screening, current immunization status, current student nurse liability and health/accident insurance, and CPR certification for adult, child, infant and obstructed airway (The only course accepted is American Heart Association Healthcare Provider BLS). Evidence of the requirements listed above must be submitted and the approved vendor profile must be compliant by the first day of class each semester. The documentation must be valid throughout the academic year and not subject to expire during clinical rotations. Failure to comply with this requirement will result in forfeiture of space in clinical nursing classes. Students denied access to clinical sites will be ineligible to continue in the nursing major. The student is responsible for submitting completed documentation and keeping a copy of the documentation for personal use.

Additional Information about the RN-BSN Option

I. Students may begin online nursing courses in the fall or spring semester and are taught in 7-week increments.

II. Students earn advanced standing credit that satisfies 39 hours of required nursing courses upon the successful completion of NURN 307: Professional Transition for Registered Nurses with a grade of "C" or higher.

III. Transfer credit from previous schools will be evaluated during the university admission process.

IV. Partial academic exemption may be earned for documented experiential learning. For example, Registered Nurses may exempt components of a course for documented professional certification and work (employment) experience. Partial exemption will be determined by the nursing faculty on an individual basis.

Requirements for Graduation

I. Complete required mathematics (MATH 121, MATH 123, or MATH 141) and science (CHEM 105 or CHEM 111 or previously earned* BIOL 101, BIOL 102, BIOL 103, BIOL 111, BIOL 112) with a minimum grade of "C". Registered Nurses may meet the Lander University general education requirement by completing a minimum of 16 hours of laboratory science courses that include 4 hours of chemistry. RN-BSN students must take CHEM 105 or CHEM 111 unless the student has previously earned a "C" or higher in one of the following 4.0 credit hour biology courses: BIOL 101, BIOL 102, BIOL 103, BIOL 111, BIOL 112*

II. RN-BSN students must earn a grade of "C" or better in all program nursing courses (NURN).

III. Must earn at least 30 credit hours through instruction by Lander University.

IV. Coursework must include at least 30 hours earned in 300- or above level courses, of which 12 hours must be in the major.

V. Must earn a minimum of 12 credit hours in required nursing courses through instruction by Lander University.

VI. Must complete all degree requirements within 5 years of admission to the RN-BSN option (entry into NURN 307).

Public Health Minor

Students who are pursuing a major in any area other than Health Promotion and Wellness may pursue this minor.

The Public Health (PUBH) minor compliments several health-related majors offered at Lander University. The course work in the PUBH minor provides entry-level skills for students interested in a career in public health, with special focus on program planning, implementation, and evaluation.

The minor consists of 17 credit hours distributed as follows:

PUBH 165: Introduction to Public Health	2
PUBH 240: Health Education	3
PUBH 415: Epidemiology and Biostatistics Prerequisite: Grade of "C" or better in MATH 211	3
PUBH 417: Community Health	3
PUBH 425: Program Planning and Implementation Prerequisite: Grade of "C" or better in MATH 211	3
PUBH 435: Program Measurement and Evaluation	3

Genetic Health Studies Certificate

The Genetic Health Studies Certificate program is specifically designed to provide a specialized focus for the broader Public Health Major. The certificate is intended for Public Health majors who are interested in studying the role of genetics and genomics in the promotion of health and the prevention of disease. The Genetic Health Studies Certificate will prepare graduates to work in clinical support level positions in genetic health care settings, with additional coursework in the sciences, to pursue graduate education for genetic counseling.

Any Lander student may pursue the certificate in Genetic Health Studies; it is not necessary that the student be in the Public Health Major. Students who complete the B.S. in Public Health with an emphasis in Genetic Health Studies will also be awarded the Genetic Health Studies Certificate.

The Genetic Health Studies certificate program includes the following sequence of courses:

Courses	**Credit Hour**
GHS 236: Nutrition and Genetics	2
GHS 242: Principles of Genetics for Genetic Counseling Assistants	3
GHS 291: Technology in Genetic Diagnosis and Genetic Counseling	3
GHS 417: Clinical Experience for Genetic Counseling Assistant	3
GHS 499: Professional Development for Genetic Counselor Assistant	2

Students must earn at least a "C" in all course to receive the Genetic Counseling Assistant certificate

Because state law specifies that four-year degree-granting institutions may not offer undergraduate degrees lower than a baccalaureate, Lander University offers certificate programs to students who are required to either 1) already have completed a baccalaureate degree, and/or 2) be concurrently enrolled in a baccalaureate program at Lander University. In the event that a student completes the coursework for the certificate and does not graduate from Lander with a baccalaureate degree, the courses for the certificate will appear on the student's transcript, but the certificate will not be awarded.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: NURSING PRELICENSURE

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
*ENGL 101: Writing and Inquiry I	3
*ENGL 102: Writing and Inquiry II	3
*MATH 121: Statistical Methods II or *MATH 123: Calculus and its Applications or *MATH 141: Single Variable Calculus I	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required) *CHEM 105: Essentials of Inorganic, Organic, and Biochemistry or *CHEM 111: General Chemistry *MATH 211: Statistical Methods I	7
E. Founding Documents of the United States HIST 111: United States History to 1877or POLS 101: American National Government	3
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35
If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.	
MAJOR PROGRAM CORE REQUIREMENTS	
*BIOL 202: Human Anatomy	4
*BIOL 203: Human Physiology	4
*BIOL 204: Microbiology	4
NURS 232: Pharmacology Basics	2
NURS 233: Pharmacology	3
NURS 235: Lifespan Wellness Nursing	3
NURS 242: Strategies and Techniques for Nursing Care	5
NURS 345: Medical-Surgical Nursing I	5
NURS 346: Medical-Surgical Nursing II	5
NURS 392: Childbearing Family and Women's Health	4
NURS 393: Mental Health Nursing	4

NURS 408: Critical Care Nursing	4
NURS 409: Pediatric Nursing	4
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
NURS 165: History and Trends in Nursing	2
NURS 240: Physical Assessment	3
NURS 303: Nursing Research	3
NURS 304: Pathophysiologic Bases of Nursing Practice	3
NURS 412: Nursing Leadership and Management	4
NURS 417: Community Nursing	4
NURS 460: Clinical Problem Solving	3
NURS 499: Professional Development in Nursing	2
MAJOR PROGRAM ELECTIVES	4
*CHEM 106: Essentials or Inorganic, Organic, and Biochemistry, or *CHEM 112: General Chemistry	
TOTAL MAJOR PROGRAM REQUIREMENTS	79
ADDITIONAL ELECTIVES	6
TOTAL FOR BS DEGREE	120

NOTES:

Nursing education is a cumulative process, in which the prerequisite course sequence establishes a foundation for subsequent content mastery in nursing courses and successful entry into practice. Therefore, students enrolled as a nursing major must meet specific requirements to progress through the nursing education program. Progression through the nursing education program occurs in two stages: Lower Level and Upper Level. Lower level includes all prerequisite courses, all general education courses, NURS 165, NURS 235, and NURS 304.

1. Meet the university requirements for admission
2. In order to progress to Upper Level, students must meet the following requirements: "C" or better in the nine required prerequisites and the three lower level NURS courses: ENGL 101 and ENGL 102; MATH 121 or MATH 123 or MATH 141; MATH 211, CHEM 105 or CHEM 111; CHEM 106 or CHEM 112; BIOL 202 (Human Anatomy), BIOL 203 (Human Physiology), BIOL 204 (Microbiology), NURS 165, NURS 235, and NURS 304. Students must also complete all General Education requirements and electives.
3. Students must have a Lander Institutional GPA of at least 2.8 and must earn at least 2.8 on the nine required prerequisites to progress to Upper Level.
4. To meet the standards of the Lander University School of Nursing, the South Carolina Board of Nursing, and clinical agency requirements, Lander University nursing students must present evidence annually of a current clear criminal background check and drug screening, health screening, current immunization status, current student nurse liability and health/accident insurance, and annual CPR certification for adult, child, infant and obstructed airway (The only course accepted is American Heart Association Healthcare Provider BLS). Evidence of the requirements listed above must be submitted and the Castlebranch profile must be compliant by the first day of class each semester. The documentation must be valid throughout the academic year and not subject to expire during clinical rotations. Failure to comply with this requirement will result in forfeiture of space in clinical nursing classes. Students denied access to clinical sites will be ineligible to continue in the nursing major. The student is responsible for submitting completed documentation and keeping a copy of the documentation for personal use.
5. Students must continue to earn a grade of "C" or better in all major program nursing courses (NURS) to progress in the major.
6. Students may have only one unsuccessful (grade of "D" or "F") major program nursing course (NURS). This does not include elective or General Education nursing courses. Upon the second grade of less than "C" in a major program nursing course (NURS), the student will be dismissed from the nursing major.

7. Withdrawal from Individual Nursing Courses: nursing majors may withdraw from a major program nursing course (NURS/NURN) twice, but must be successful when enrolling in the individual nursing course the third time. Students may NOT enroll in an individual major program nursing course more than three times. Students may not exceed four withdrawals from major program nursing courses (NURS/NURN), including total withdrawals from the University. Withdrawals from the University will count as multiple individual course withdrawals. Required NURS/NURN courses that are dropped prior to the Drop/Add date will not be counted as individual course withdrawals. Students who exceed these limitations on major program nursing course (NURS/NURN) withdrawals will be dismissed from the nursing major.
8. Following successful completion of NURS 232 and upon progression to the second semester of the Upper Level, each student is required to pass a Medication Calculation Test (MCT) to assess medication administration competency. Students must complete the Medication Calculation Tests with 95% accuracy at the beginning of each semester in which the student will be enrolled in a nursing course with a clinical laboratory component. The student has a maximum of three attempts to pass the competency exams. A student who is unable to meet the 95% competency by the third exam will not be allowed to remain in a clinical course for that semester.
9. Upper Level students must earn achieve competency (level II or III) on proctored ATI tests or successfully complete the ATI remediation plan to progress in the major.

Transfer students:
Follow the progression requirements listed above with these exceptions:

1. Successful completion of at least 30 hours of college-level coursework including 12 credit hours at Lander
2. Students must have completed their required prerequisite science and math courses (listed above) within 7 years prior to progressing to Upper Level nursing courses (NURS).
3. Students must also complete all General Education requirements and NURS 165, NURS 235, and NURS 304 to progress to the Upper Level nursing courses.
4. Students wishing to pursue a nursing degree from Lander University with any nursing courses from other nursing programs will be considered on a case-by-case basis with the following considerations:
   a. Students with any unsuccessful nursing courses ("D" or "F") from any other institution will be required to complete ALL of the nursing curriculum at Lander.

Students who possess a baccalaureate degree:
Follow the progression requirements listed above with these exceptions:

1. Must have at least a cumulative GPA of 2.8 (not rounded) on previous baccalaureate degree course work.
2. Students must have completed their required prerequisite science and math courses (listed above) within 7 years prior to progressing to Upper Level nursing courses (NURS, NURN).
3. Students must also complete all General Education requirements and NURS 165, NURS 235, and NURS 304 to progress to the Upper Level nursing courses.
4. Students wishing to pursue a nursing degree from Lander University with any failures of nursing courses from other nursing programs will be considered on a case-by-case basis with the following considerations:
   a. Students with any unsuccessful nursing courses ("D" or "F") from any other institution will be required to complete ALL of the nursing curriculum at Lander.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: NURSING BSN COMPLETION (RN-BSN)

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
*ENGL 101: Writing and Inquiry I	3
*ENGL 102: Writing and Inquiry II	3
*MATH 121: Statistical Methods II, or *MATH 123: Calculus and its Applications, or *MATH 141: Single Variable Calculus I	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required) *CHEM 105: Essentials of Inorganic, Organic, and Biochemistry or *CHEM 111: General Chemistry, or *MATH 211: Statistical Methods I	7
E. Founding Documents of the United States HIST 111: United States History to 1877 or POLS 101: American National Government	3
F. World Cultures	3
TOTAL GENERAL EDUCATION REQUIREMENTS	34

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS (Completed as prerequisites or advance placement standing given after completion of NURN 307 with at least a "C".)	
BIOL 202: Human Anatomy	4
BIOL 203: Human Physiology	4
BIOL 204: Microbiology	4
NURS 232: Pharmacology Basics	2
NURS 233: Pharmacology	3
NURS 235: Lifespan Wellness Nursing	3
NURS 242: Strategies and Techniques for Nursing Care	5
NURS 345: Medical-Surgical Nursing I	5
NURS 346: Medical-Surgical Nursing II	5
NURS 392: Childbearing Family and Women's Health	4
NURS 393: Mental Health Nursing	4
NURS 408: Critical Care Nursing	4
NURS 409: Pediatric Nursing	4

MAJOR PROGRAM ADDITIONAL REQUIREMENTS

NURN 303: Nursing Research	3
NURN 304: Pathophysiologic Bases of Nursing Practice for Registered Nurses	3
NURN 307: Professional Transition for Registered Nurses	4
NURN 340: Enhanced Physical Assessment for Registered Nurses	3
NURN 412: Nursing Leadership and Management	4
NURN 417: Community Nursing	5
NURN 499: Professional Development in Nursing	2

MAJOR PROGRAM ELECTIVES

TOTAL MAJOR PROGRAM REQUIREMENTS	75
ADDITIONAL ELECTIVES	11
TOTAL FOR BS DEGREE	120

NOTES:

Requirements for admission as RN-BSN student

1. Meet university requirements for admission.
2. Maintain a current nursing license as an RN in state where student will attend clinicals.
3. Earn "C" or higher in 6 required courses – ENGL 101-102, BIOL 202 (Human Anatomy), BIOL 203 (Human Physiology) (2 semesters combined A and P course accepted), BIOL 204 (Microbiology), and MATH 211 (Statistics)

Additional Information about the RN-BSN Option

1. Students may begin online nursing courses in the fall or spring semester and are taught in 7-week increments.
2. Students earn advanced standing credit that satisfies 39 hours of required nursing courses upon the successful completion of NURN 307: Professional Transition for Registered Nurses with a grade of " C" or higher.

Requirements for Graduation

1. Complete required mathematics (MATH 121, 123, or 141) and science (CHEM 105 or CHEM 111 or previously earned* BIOL 101, BIOL 102, BIOL 103, BIOL 111, BIOL 112) with a minimum grade of "C". Registered Nurses may meet the Lander University general education requirement by completing a minimum of 16 hours of laboratory science courses that include 4 hours of chemistry. RN-BSN students must take CHEM 105 or 111 unless the student has previously earned a "C" or higher in one of the following 4.0 credit hour biology courses: BIOL 101, BIOL 102, BIOL 103, BIOL 111, BIOL 112.
2. RN BSN students must earn a grade of "C" or better in all program nursing courses (NURN).
3. Must earn at least 30 hours of total semester hour credit through instruction by Lander University.
4. Must earn a minimum of 12 credit hours in required nursing courses through instruction by Lander University.
5. Must complete all degree requirements within 5 years of admission to the RN-BSN option (entry into NURN 307).

Registered nurses with an Associate Degree in Nursing from a South Carolina technical college are encouraged to contact the School of Nursing at 864-388-8337 for information on current articulation agreements.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

PUBLIC HEALTH

In keeping with the mission of the School of Nursing, the Bachelor of Science degree in Public Health prepares individuals to provide public health services in a variety of settings to diverse clients across the lifespan. The Public Health curriculum provides foundational knowledge on the principles of health promotion and disease prevention to prepare graduates within a liberal arts environment to serve as health educators, interventionist, policy makers, leaders, consumers of research, candidates for advanced studies, and contributing members of the public health profession.

Program Objectives

Graduates of the Public Health Program will be able to:

1. Assess and monitor population health.
2. Investigate, identify, and address health hazards and root causes.
3. Communicate effectively to inform and educate.
4. Identify, support, and mobilize community partners.
5. Examine and summarize public health policies and programs.
6. Improve equitable access to resources through systematic evaluation, research and quality improvement.
7. Provide health education to promote health, support wellness, and prevent injury and disease.

*objectives adopted from the 10 Essential Public Health Services published by the American Public Health Association.

Program requirements

Students may declare Public Health as their major upon admission to Lander University.

1. Students must have a 2.5 overall GPA for progression to upper-level of HPW major.
2. A minimum grade of "C" (2.0) in each core requirement course is required for graduation.

Students who change programs and select this major must adopt the most current catalog.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: PUBLIC HEALTH

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 121: Mathematical Applications or MATH 123: Calculus and its Applications or MATH 141: Single Variable Calculus I	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	
CHEM 105: Essentials of Inorganic, Organic, and Biochemistry or CHEM 111: General Chemistry	4
MATH 211: Statistical Methods I	3
E. Founding Documents of the United States HIST 111: United States History to 1877 or POLS 101: American National Government	3
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS	
BIOL 202: Human Anatomy	4
BIOL 203: Human Physiology	4
BIOL 204: Microbiology	4
PUBH 165: Introduction to Public Health	2
PUBH 240: Health Education	3
PUBH 325: Social Determinants of Health	3
PUBH 345: Health Promotion and Disease Prevention	3
PUBH 346: Wellness and Aging	3
PUBH 393: Mental Health and Substance Abuse	3
PUBH 415: Epidemiology and Biostatistics	3

PUBH 425: Health Promotion Program Planning	3
PUBH 435: Health Promotion Measurement and Evaluation	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
PUBH 235: Lifespan Wellness	3
PUBH 236: Nutrition	3
PUBH 310: Global Health	3
PUBH 417: Community Health	3
PUBH 490: Public Health Internship I	3
PUBH 491: Public Health Internship II	3
PUBH 499: Professional Development	2
TOTAL MAJOR PROGRAM REQUIREMENTS	58
MAJOR PROGRAM ELECTIVES	9
NURS 203: Strategies for Wellness or PEES 202: Personal Health and Health Promotion	3
NURS 303: Nursing Research	3
NURS 310: Cultural Perspectives in Global Health or NURS 372: Healthcare Genomics	3
ADDITIONAL ELECTIVES	18
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: PUBLIC HEALTH
EMPHASIS: GENETIC HEALTH STUDIES

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
MATH 121: Mathematical Applications, or MATH 123: Calculus and its Applications or MATH 141: Single Variable Calculus I	3
B. Humanities and Fine Arts (6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives (6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning (7 hours selected from 2 different disciplines, 1 lab science required)	
CHEM 105: Essentials of Inorganic, Organic, and Biochemistry or CHEM 111: General Chemistry	4
MATH 211: Statistical Methods I	3
E. Founding Documents of the United States HIST 111: United States History to 1877 or POLS 101: American National Government	3
F. World Cultures	3
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

MAJOR PROGRAM CORE REQUIREMENTS	
BIOL 202: Human Anatomy	4
BIOL 203: Human Physiology	4
BIOL 204: Microbiology	4
PUBH 165: Introduction to Public Health	2
PUBH 240: Health Education	3
PUBH 325: Social Determinants of Health	3
PUBH 345: Health Promotion and Disease Prevention	3
PUBH 346: Wellness and Aging	3
PUBH 393: Mental Health and Substance Abuse	3

PUBH 415: Epidemiology and Biostatistics	3
PUBH 425: Health Promotion Program Planning	3
PUBH 435: Health Promotion Measurement and Evaluation	3
MAJOR PROGRAM ADDITIONAL REQUIREMENTS	
GHS 236: Nutrition and Genetics	3
GHS 242: Principles of Genetics for Genetic Counseling Assistants	3
GHS 291:Technology in Genetic Diagnosis and Genetic Counseling	3
GHS 417:Clinical Experience for Genetic Counseling Assistant	3
GHS 499: Professional Development for Genetic Counselor Assistants	2
PUBH 235: Lifespan Wellness	3
PUBH 490: Public Health Internship I	3
PUBH 491: Public Health Internship II	3
TOTAL MAJOR PROGRAM REQUIREMENTS	61
MAJOR PROGRAM ELECTIVES	
NURS 303: Nursing Research	3
NURS 310: Cultural Perspectives in Global Health ~~or~~	3
ADDITIONAL ELECTIVES	18
TOTAL FOR BS DEGREE	120

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses
https://www.lander.edu/academics/registrars-office/major-guides.html

INTERDISCIPLINARY STUDIES

Lillian Craton
Coordinator of the Interdisciplinary Studies Program

Interdisciplinary Studies Advisory Council

Matthew Collier, Ph.D.
Assistant Professor of Teacher Education
Laura Hester, MMC
Associate Professor of Media and Communication
Gilliean Lee, Ph.D.
Professor of Computer Information Systems
William Ramsey, Ph.D.
Professor of History

INTERDISCIPLINARY STUDIES

The Interdisciplinary Studies (IDS) program provides students with an enhanced education through the study of two disciplines in a planned and purposeful approach. The program is designed to accommodate students who are interested in fields of study that are not offered as specific major programs at Lander University.

Interdisciplinary Studies (IDS) students may select an existing IDS module that meets their needs or interests, or they may work with the coordinator of the IDS program and the chairs of two disciplines to develop a new module tailored to their individual interests or career needs.

Program Objectives

The IDS program will

1. Provide an interdisciplinary academic experience for students with career interests that are not satisfied by current discipline-based programs at Lander.
2. Provide an appropriate academic program for adults in the community for whom a major in one discipline is too limiting.
3. Offer students opportunities to explore emerging fields through innovative program design using existing course offerings.

Program-Learning Objectives

Students completing an IDS program will

1. gain college level understanding of the fundamentals of the two disciplines in their IDS module;
2. analyze and critically evaluate information in those two disciplines;
3. demonstrate the ability to integrate the two disciplines into a comprehensive body of knowledge; and
4. demonstrate the ability to communicate understanding of the inter-disciplinary links to others, both orally and in writing, or in other media as appropriate to their module.

Admission to the IDS Program

Students may request admission to the IDS major at any point in their academic career but should consult with the IDS Program Coordinator beforehand to assess the timeline for graduation within that emphasis.

New and returning students interested in the IDS program are encouraged to contact the IDS Program Coordinator upon acceptance into Lander University. This will provide a suitable amount of time to develop and obtain approval for a new module in the IDS Program, if necessary. It is expected that students will have a reasonably clear idea of what they hope to accomplish through the IDS program at Lander University, for example, a particular career path or exploring a newly developed or developing field of study.

For students proposing a new module, should allow time for development and approval by the Department Chairs of the two disciplines that will contribute to the module. Acceptance into the IDS program is contingent on the approval of the proposed module by all faculty bodies. Students may select from modules already approved.

Program Requirements

An IDS program consists of general education courses, two IDS courses, courses in the two disciplines of the module, and additional elective hours. The program may result in either a Bachelor of Arts degree or a Bachelor of Science degree depending on the design of the module.

All Lander University general education requirements must be met in completing an IDS program. Specific general education courses may be required in some categories in order to complete or complement the particular module selected or developed. These module-specific courses will be indicated on the approved module program requirements pages.

The two courses required of all IDS students are IDS 101 and IDS 499. The first provides an introduction to interdisciplinary studies and the second is the capstone course in the major.

Courses in an IDS module will include a minimum of 30 credit hours at the 300-level or higher in the two represented disciplines, 18 hours in one and 12 hours in the other. Additional courses that are either foundational for the module or which are prerequisites for the upper-level courses may also be required.

Program Requirements for an IDS Program with a Module in Education

To remain in an IDS Program in with a module in Education, students must maintain an institutional GPA of at least 2.75, earn a "B" or better in all education field experience courses, and maintain "At Target" on all Professional Dispositions. Failure to meet these requirements may result in dismissal from Education Major Program #1 or Education Major Program #2.

Students selecting an IDS module with an Education field listed as MAJOR PROGRAM #1 or MAJOR PROGRAM #2 must meet professional disposition requirements within the College of Education. All students in these modules complete internships designed specifically for their program. If a dispositional or disciplinary concern results in a student's dismissal from an internship, it may also result in dismissal from their Education field major program.

Approved Programs (Modules) in Interdisciplinary Studies

Visit the Interdisciplinary Studies webpage in the Lander University website for program requirements.

BS in Interdisciplinary Studies: Allied Health Studies
BS in Interdisciplinary Studies: Educational Psychology for Special Populations
BS in Interdisciplinary Studies: Environmental Health
BS in Interdisciplinary Studies: Environmental Science and Public Administration
BS in Interdisciplinary Studies: Equine-Assisted Activities and Therapies
BS in Interdisciplinary Studies: Financial Services and Public Relations
BS in Interdisciplinary Studies: Graphic Design and Marketing
BS in Interdisciplinary Studies: Health Promotion and Wellness: Behavioral Health
BS in Interdisciplinary Studies: Health Promotion and Wellness: Healthcare Management
BS in Interdisciplinary Studies: Health Promotion and Wellness: Human Services
BS in Interdisciplinary Studies: Health Promotion and Wellness: Policy
BS in Interdisciplinary Studies: International Environment and Sustainability
BS in Interdisciplinary Studies: Management, Public Relations
BS in Interdisciplinary Studies: Management, Therapeutic Horsemanship
BS in Interdisciplinary Studies: Studies in Early Childhood Education and Psychology
BS in Interdisciplinary Studies: Studies in Early Childhood with Special Needs
BS in Interdisciplinary Studies: Studies in Special Education Facility or Education Organization Management
BS in Interdisciplinary Studies: Teaching and Learning for Diverse Elementary Students (Reading/Media)

(See IDS Program Coordinator for information on IDS modules pending approval.)

Proposing a New Module

Students or faculty members wishing to propose a new IDS module may do so in consultation with the IDS Program Coordinator and the Department Chairs of the two disciplines in the proposed module. A program proposal form bearing the signatures of the department chairs will be completed and returned to the IDS Program Coordinator. The module will then be submitted to the appropriate faculty bodies on campus for approval. Modifications to a proposed module may occur throughout the approval process. Students are not to consider their program of study as officially determined until the module has successfully passed all levels of approval.

The IDS Program Coordinator will serve as the initial academic advisor for all incoming IDS students, and will inform students of the official approval of any newly proposed modules.

MODEL MODULE PROGRAM REQUIREMENTS TEMPLATES

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF ARTS
MAJOR: INTERDISCIPLINARY STUDIES:
AREA 1:
AREA 2:

	Credit Hours
UNIVERSITY REQUIREMENT	
FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0
GENERAL EDUCATION REQUIREMENTS	
(For approved courses, see General Education: www.lander.edu/gen-ed.)	
A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877, or	
POLS 101: American National Government	
F. World Culture	**3**
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

***MAJOR PROGRAM CORE REQUIREMENTS**	
IDS 101	3
IDS 499	3
***MAJOR PROGRAM #1 REQUIREMENTS (18 hours 300-level or higher)**	
Major Program #1 (300-level or higher)	3
Major Program #1 (300-level or higher)	3
Major Program #1 (300-level or higher)	3
Major Program #1 (300-level or higher)	3
Major Program #1 (300-level or higher)	3
Major Program #1 (300-level or higher)	3

***MAJOR PROGRAM #2 REQUIREMENTS (12 hours 300-level or higher)**

Major Program #2 (300-level or higher)	3
Major Program #2 (300-level or higher)	3
Major Program #2 (300-level or higher)	3
Major Program #2 (300-level or higher)	3

ADDITIONAL REQUIREMENTS

102-level Foreign Language	3
200-level Foreign Language	3
TOTAL MAJOR PROGRAM REQUIREMENTS	42
ADDITIONAL ELECTIVES	36
TOTAL FOR BA DEGREE	120

*Students must earn a "C" or better in all program requirement courses.

Coursework must include at least 30 hours earned in 300- or above level courses, of which 12 hours must be in the major.

2022-2023 PROGRAM REQUIREMENTS

DEGREE: BACHELOR OF SCIENCE
MAJOR: INTERDISCIPLINARY STUDIES:
AREA 1:
AREA 2:

UNIVERSITY REQUIREMENT

FALS 101: Fine Arts and Lecture Series (Temporarily suspended)	0

GENERAL EDUCATION REQUIREMENTS
(For approved courses, see General Education: www.lander.edu/gen-ed.)

A. Core Academic Skills (9 hours)	
ENGL 101: Writing and Inquiry I	3
ENGL 102: Writing and Inquiry II	3
Mathematics	3
B. Humanities and Fine Arts	
(6 hours selected from 2 different disciplines)	6
C. Behavioral and Social Perspectives	
(6 hours selected from 2 different disciplines)	6
D. Scientific and Mathematical Reasoning	
(7 hours selected from 2 different disciplines, 1 lab science required)	7
E. Founding Documents of the United States	3
HIST 111: United States History to 1877, or	
POLS 101: American National Government	
F. World Culture	**3**
G. LINK 101: Leadership, Involvement, Networking and Knowledge	1
LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen	
TOTAL GENERAL EDUCATION REQUIREMENTS	35

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

***MAJOR PROGRAM CORE REQUIREMENTS**

IDS 101	3
IDS 499	3

***MAJOR PROGRAM #1 REQUIREMENTS (18 hours 300-level or higher)**

Major Program #1 (300-level or higher)	3
Major Program #1 (300-level or higher)	3
Major Program #1 (300-level or higher)	3
Major Program #1 (300-level or higher)	3
Major Program #1 (300-level or higher)	3
Major Program #1 (300-level or higher)	3

***MAJOR PROGRAM #2 REQUIREMENTS (12 hours 300-level or higher)**

Major Program #2 (300-level or higher)	3
Major Program #2 (300-level or higher)	3
Major Program #2 (300-level or higher)	3

Major Program #2 (300-level or higher)	3
TOTAL MAJOR PROGRAM REQUIREMENTS	36
ADDITIONAL ELECTIVES	42
TOTAL FOR BS DEGREE	120

*Students must earn a “C” or better in all program requirement courses.

Coursework must include at least 30 hours earned in 300- or above level courses, of which 12 hours must be in the major.

UNDERGRADUATE COURSES OF STUDY

ACADEMIC SUCCESS

ASC 290.ASC TUTORIAL PRACTICUM

By serving as a peer tutor, the student will receive the practical experience of helping others to learn. Such experience should enhance the student's knowledge of skills and concepts relevant in the discipline in which the student is tutoring. The student must provide a minimum of 15 hours of tutoring contact during the semester under faculty/staff supervision and attend all mandatory training. Prerequisite: Recommendation by one of the faculty within the discipline in which the student tutors. ***One credit hour***.

ACCOUNTING

ACCT 201.FINANCIAL ACCOUNTING PRINCIPLES

This course is the study of accounting principles underlying financial reporting of organizations to external users. The accounting model for capturing and processing the economic effects of financing, investing, and operating activities as well as the financial statements provided by the model are developed. Focus is placed on reading, interpreting, and applying the financial information in decision-making process. Prerequisite: MATH 121. ***Three credit hours.***

ACCT 202.MANAGERIAL ACCOUNTING PRINCIPLES

This course includes the study of accounting information underlying financial reporting of organizations to internal users. Topics covered include product and process costing, cost systems, cost terminology and cost behavior. The focus is placed on management use of accounting information in production, merchandising and service decision-making. Prerequisite: "C" or better in ACCT 201. ***Three credit hours.***

ACCT 301.INTERMEDIATE ACCOUNTING I

This course studies financial accounting theory and problems for the corporate form of organization. Preparation and presentation of financial statements according to generally accepted accounting principles is addressed. The analysis and interpretation of financial statements and other accounting problems are emphasized. Prerequisite: "C" or better in ACCT 202. For business majors additional prerequisites include completion of 42 credit hours and ECON 101 or ECON 201 or ECON 202 with a "C" or better. ***Three credit hours.***

ACCT 302.INTERMEDIATE ACCOUNTING II

This course studies financial accounting theory and problems for the corporate form of organization. Preparation and presentation of financial statements according to generally accepted accounting principles is addressed. The analysis and interpretation of financial statements and other accounting problems are emphasized. Prerequisite: "C" or better in ACCT 301. ***Three credit hours.***

ACCT 321.INCOME TAX I

This course studies the Internal Revenue Code related to the determination of individual income tax liability. Major topics include filing status, gross income, exemptions, and deductions. Prerequisite: "C" or better in ACCT 202. For business majors additional prerequisites include completion of 42 credit hours, completion of ECON 101 or ECON 201 or ECON 202 with a "C" or better. ***Three credit hours.***

ACCT 322.INCOME TAX II

This course is a continuation of ACCT 321 with emphasis upon the Internal Revenue Code sections related to the determination of the income tax liability for corporations, partnerships, estates, and trusts. Prerequisite: "C" or better in ACCT 321. ***Three credit hours.***

ACCT 331.COST/MANAGEMENT ACCOUNTING I

This course is an intensive study of cost concepts and their role in the planning, controlling, and decision-making of internal users of accounting. Major topics include cost terminology, cost systems, the information needs of managers, costing of products and services, and cost allocations. Prerequisite: "C" or better in ACCT 202. For business majors additional prerequisites include completion of 42 credit hours, completion of ECON 101 or ECON 201 or ECON 202 with a "C" or better. ***Three credit hours.***

ACCT 332.COST/MANAGEMENT ACCOUNTING II

This course is a continuation of ACCT 331 with primary emphasis placed on budgeting, performance measurement, specialized cost accounting topics, inventory management techniques, transfer pricing, and quality issues. Prerequisite: "C" or better in ACCT 331. ***Three credit hours.***

ACCT 352.COMMERCIAL LAW

This course studies contracts, commercial papers, agencies, personal property and bailments, real property, estates, sales, security documents, partnerships and corporations. Course objectives include aiding the students in becoming aware of special legal problems of business and assisting students in gaining a background for the CPA examination. Prerequisite: "C" or better in BA 251. For business majors additional prerequisites include completion of 42 credit hours and ACCT 201 with a "C" or better. ***Three credit hours.***

ACCT 369.SPECIAL TOPICS IN ACCOUNTING

This elective course allows for the study of various accounting topics that are not a part of the regular course offerings. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. To repeat the course in order to improve a grade; the topic, the course number, and the credit hours must be the same. Prerequisite: Instructor permission. For business majors additional prerequisites include completion of 42 credit hours and completion of ACCT 201 with a "C" or better. ***One to six credit hours.***

ACCT 402.AUDITING I

This course studies the authoritative literature's generally accepted auditing standards, providing guidance for the independent audit of financial statements. The process used by the independent auditor to conduct an examination of and render a report on a set of financial statements is reviewed. Co-requisite: "C" or better in ACCT 302. ***Three credit hours.***

ACCT 403.ACCOUNTING INFORMATION SYSTEMS

This course studies the design and operation of the accounting information systems that collect, process, and report economic data generated by the major transaction/business cycles. Additionally, students will examine the system controls and legal requirements necessary for information and reporting integrity. Co-requisites: "C" or better in both ACCT 302 and BA 304. ***Three credit hours.***

ACCT 490.ACCOUNTING INTERNSHIP

This course provides practical experience in the accounting field through an approved agency or business under the supervision of professional employees and the course instructor. A maximum of 6 credit hours may be taken and used as a business elective, accounting emphasis elective, or general elective. Internship is dependent upon position availability. Prerequisites: Instructor permission, and junior or senior status and "C" or better in ACCT 201, ACCT 202, MATH 211, and either ECON 101 or ECON 201 or ECON 202. ***One to six credit hours.***

ACCT 491.ACCOUNTING INTERNSHIP II

The course is designed to give students additional practical work experience in their emphasis field. The student works through an approved agency or business under the supervision of professional employees and the course instructor. The grade is based on the requirements stated in the course syllabus, which will include evaluations by the field supervisor and the course instructor as well as written reports rendered by the student. May be taken for additional credit for a maximum of six hours; only three hours may be used as a business elective. Internships are dependent upon availability of positions. Prerequisites: ACCT 490, senior status in the major, and instructor permission. ***One to six credit hours.***

ANTHROPOLOGY

ANTH 104.CULTURAL ANTHROPOLOGY

Exploration of world cultural similarities and differences. The course focuses on universal aspects of the human experience including language, kinship, marriage and family patterns, worldwide migration, and culture change. Required for minor. (General Education – Behavioral and Social Perspectives) ***Three credit hours.***

ANTH 271.TOPICS IN ANTHROPOLOGY/ARCHAEOLOGY

Exploration of topics and issues not currently included in the anthropology curriculum. This course is designed as an in depth study of topics of anthropological/archaeological interest. May be taken for additional credit as topic changes. "C" or better in either ANTH 104 or SOCI 101 recommended. ***Three credit hours.***

ART

ART 101.INTRODUCTION TO ART

A study of the basic visual vocabulary of art; line, tone, color, shape, and texture, etc. A study of the development by artists in various periods and cultures from prehistoric to contemporary times. (General Education – Humanities and Fine Arts) ***Three credit hours.***

ART 102.INTRODUCTION TO ART SPECIAL TOPICS

This course will engage non-art major students in activities and/or lectures that introduce art and/or design concepts, techniques, and processes from a variety of cultures, artistic styles, and art media. The special topic will be announced in advance. (General Education – Humanities and Fine Art) ***Three credit hours.***

ART 103.DRAWING I

Development of basic visual awareness as it relates to two and three-dimensional structure. Problems in line, form, and space with various media. Should be taken in the freshman year. Two three-hour labs or three two-hour labs. ***Three credit hours.***

ART 104.DRAWING II

Exploration of drawing ideas with emphasis on developing contrasting systems of material and media. Experimentation in generating alternative approaches to drawing problems. Should be taken in the freshman year. Two three-hour labs or three two-hour labs. Prerequisite: ART 103. ***Three credit hours.***

ART 105.TWO-DIMENSIONAL COMPOSITION

This course is an introduction to the visual organization of 2-dimensional space with a focus on the elements and principles of design. This course should be taken in the freshman year. Two three-hour labs. ***Three credit hours.***

ART 106.THREE-DIMENSIONAL COMPOSITION

This course is an introduction to the visual organization of 3-dimensional space with a continued focus on the elements and principles of design. This course should be taken in the freshman year. Two three-hour labs. Prerequisite: ART 105. ***Three credit hours.***

ART 111.ART HISTORY SURVEY I

This course introduces the history of Western art with a focus on ancient civilizations such as Egypt, Greece, and Rome, as well as the study of art imagery from the earliest religions. Art works or sites representative of these periods will be considered in their physical, historical, and social contexts. Emphasis will be placed on both visual analysis (honing the student's descriptive, analytical, and interpretive skills) and contextual history. ***Three credit hours.***

ART 112.ART HISTORY SURVEY II

This course will continue the study of the history of Western art with a focus on artwork from the Renaissance through the origins of Modernism. Art works or sites representative of these periods will be considered in their physical, historical, and social contexts. Emphasis will be placed on both visual analysis (honing the student's descriptive, analytical, and interpretive skills) and contextual history. Prerequisite: ART 111. ***Three credit hours.***

ART 202.SCULPTURE I

Introduction to sculptural materials, techniques, and processes. Prerequisites: ART 103 and ART 104 and ART 105 and ART 106, or instructor permission. Two three-hour labs or three two-hour labs. ***Three credit hours.***

ART 203.PHOTOGRAPHY I

Explores the fundamental nature of photography covering both digital photography and black and white photography – including creative camera controls, exposure, digital imaging software, film processing, darkroom procedures, black and white printmaking, evaluating prints, the aspects of design, composition, and content in images. The course concentrates on assignments, critiques, demonstrations, lectures and a personal project to provide a foundation for creatively experiencing the photographic medium. A SLR DIGITAL camera with manual controls is required. Prerequisites: ART 103, ART 104, ART 105 and ART 106. Two three-hour labs or three two-hour labs. ***Three credit hours.***

ART 204.GRAPHIC DESIGN I

This course is an Introduction to computer imaging for graphic design applications and emphasizes studio lab experiences using graphic design industry standard software, including Adobe Photoshop, Illustrator, and

InDesign. Cross-listed with DES 203. Prerequisites: ART 103, ART 104, ART 105, and 106, or instructor permission. ***Three credit hours.***

ART 205.PAINTING I

Students will learn basic approaches to painting including color theory and interaction of materials, use of tools and expression. Prerequisites: ART 103, ART 104, ART 105, and ART 106, or instructor permission. Two three-hour labs or three two-hour labs. ***Three credit hours.***

ART 206.PRINTMAKING I

This course covers the basic materials and methods of printmaking techniques, including relief, intaglio, collagraph, and silkscreen. Prerequisites: ART 103, ART 104, ART 105, and ART 106, or instructor permission. Two three-hour labs or three two-hour labs***. Three credit hours.***

ART 207.CERAMICS I

This course is an introduction to ceramic design. Students will focus on various handbuilding techniques for construction of both functional and sculptural forms. Prerequisites: ART 103, ART 104, ART 105, and ART 106, or instructor permission. Two three-hour labs or three two-hour labs. ***Three credit hours.***

ART 298.PROFFESSIONAL PRACTICES I

This course is part of a five-course sequence designed to familiarize visual art students with professional practice information and art entrepreneurial content in a measured and meaningful way. These five courses comprise a comprehensive virtual program that covers content essential for the completion of the Art capstone as well as for career success in the creative economy. ART 298 should be taken during the sophomore year. Graded pass/fail. ***Zero credit hours.***

ART 299.PROFFESSIONAL PRACTICES II

This course is part of a five-course sequence designed to familiarize visual art students with professional practice information and art entrepreneurial content in a measured and meaningful way. These five courses comprise a comprehensive virtual program that covers content essential for the completion of the Art capstone as well as for career success in the creative economy. ART 299 should be taken during the sophomore year. Graded pass/fail. ***Zero credit hours.***

ART 302.SCULPTURE II

This course covers the development of contemporary sculptural techniques and processes with emphasis on sculptural exhibition. Prerequisite: ART 202 or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 303.PHOTOGRAPHY II

This course expands upon the topics covered in ART 203 – including digital printing, lighting controls, imaging software skills, the creative process, medium format photography, film scanning, and portfolio presentation. A photographic themed project will be produced for the final project. An SLR digital camera with manual controls is required. Prerequisite: ART 203 or instructor permission. Two three-hour labs***. Three credit hours.***

ART 305.PAINTING II

This course covers exploration and development of color relationships and compositional forms. Prerequisite: ART 205 or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 306.PRINTMAKING II

This course covers further exploration of materials and methods of printmaking and personal expression. The course may be repeated for additional credit. Prerequisites: ART 206 or instructor permission. Requires six hours of lab. ***Three credit hours.***

ART 307.CERAMICS II

This course introduces students to wheel thrown pottery and with skill development in clay building techniques and surface design. Prerequisite: ART 207 or instructor permission. Two three-hour labs***. Three credit hours.***

ART 312.ISLAMIC ART AND CULTURE

This course examines the development of Islamic art and architecture around the world from the 7^{th} to the 19^{th} century. Beginning with a discussion of Islam, Muhammad, the Qur'an, and a definition of "Islamic" art, the roles and meanings of divine structures such the Ka'ba in Mecca and the Dome of the Rock in Jerusalem will be covered. The rapid spread of Islam to the east and west during the 9^{th}-11^{th} centuries created a new vocabulary for Islamic art and architecture, combining existing Byzantine and Persian models with Islamic motifs. Subjects

covered will include the roles of the written word and epigraphy, ritual and pilgrimage, private vs. public spaces, and political propaganda through the visual arts. Junior/senior status recommended. ***Three credit hours.***

ART 314.ASIAN ART HISTORY

This course is a survey of the art and culture of China, Japan, Korea, and India. Junior/senior status recommended. ***Three credit hours.***

ART 315.HISTORY OF PHOTOGRAPHY

This course examines the role of photography has played reflecting and shaping culture from its emergence in the 19th century to the digital revolution currently underway. It emphasizes what it means to photograph, to be photographed, and to view photographers as part of an audience. Although the focus is on photography as a fine art and its relationship to the other arts, topics include documentary photography and photojournalism, fashion portraiture, and the use of photography in mass media. Prerequisite: ART 111 and ART 112, or instructor permission. ***Three credit hours.***

ART 316.HISTORY OF AMERICAN ART

This course is a survey of the history of art in America from the age of Columbus to modern times. The history will include painting, sculpture, architecture, and printmaking. Prerequisite: ART 111 and ART 112, or instructor permission. ***Three credit hours.***

ART 317.GLOBAL CONTEMPORARY ART

This course will survey contemporary art (defined as art of the last 40 years) from a global perspective. During the historical period surveyed in this course, the barriers of national boundaries and geographic distances have become increasingly diminished. Many contemporary artists work and exhibit internationally, often maintaining studios on several continents simultaneously. The works these artists produce are exhibited in international venues of art fairs and biennial/triennial exhibitions. Particular emphasis will be placed on artists from Asia, Africa, and Latin America. Prerequisites: ART 111 and ART 112, or instructor permission. Junior/senior status recommended. ***Three credit hours.***

ART 318.ORIGINS OF MODERNISM

This course surveys European and American art from c.1840 to c.1890, with the inclusion of comparative examples of global contemporary art. A major focus of the course is the genesis of the idea of "modernism." Emphasis is placed on how artists developed new conceptions of the social purpose of their art, as well as ways in which artist identity was manifested in specific technical practices. Students are encouraged to consider how the works of early-modernist artists might be models of creativity in the present. Prerequisites: ART 111 and ART 112, or instructor permission. ***Three credit hours.***

ART 319.MODERNISM

This course surveys European and American art from c.1890 to c.1940, with the inclusion of comparative examples of global contemporary art. A major focus of this course will be the key developments in early 20th century art with an emphasis placed on the relationships between artistic developments. Topics such as the Cubist dissection of pictorial space, the development of abstraction, and then-contemporary philosophical, historical, social, and technological issues will be explored. Prerequisites: ART 111 and ART 112, or instructor permission. ***Three credit hours.***

ART 320.INVESTIGATION OF LINE

This course is designed to further develop skills in idea generation and new approaches to materials and media. The course focuses on line in both 2D and 3D applications and creative problem solving. The course may be repeated for additional credit. Prerequisites: ART 103, ART 104, ART 105, and ART 106, or instructor permission. Requires six hours of lab. ***Three credit hours.***

ART 321.THE PHOTOGRAPHIC PORTRAIT

This course is designed to provide students experiences in identifying the characteristics of a successful portrait. This advanced-level course explores the art of the photographic portrait. Contemporary, traditional, and interpretive portrait styles will be addressed along with creative lighting techniques specific to studio and location settings. Additional topics include business practices, retouching, presentation, marketing, networking, and studio management. Students will learn to create, choose, sequence, and prepare images for class discussion, digital projection, and exhibition. Prerequisite: Art 203 or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 322.LANDSCAPE PHOTOGRAPHY

This course focuses on various philosophical, aesthetic, and technical approaches to photographing the contemporary landscape. Through guided field trips, personal assignments, supervised lab work, and critiques, students will increase their awareness of the landscape and how they interpret the natural world. Additional topics include business practices, gallery representation, marketing, networking, and image management. Students will learn to create, choose, sequence, and prepare images for class discussion, digital projection, and exhibition. Prerequisite: Art 203 or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 323.DOCUMENTARY PHOTOGRAPHY

This course focuses on various philosophical, aesthetic, and technical approaches to photographing and documenting environments. Through assignments, guided field trips, personal assignments, supervised lab work, and critiques, students will increase their awareness of the landscape, social environments, and cultural issues. Students will learn to create, choose, sequence, and prepare images for class discussion, digital projection, and exhibition. Prerequisite: Art 203 or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 324.POSTWAR ART

This course surveys American and European art from c.1940 to c.1980, with the inclusion of comparative examples of global contemporary art. A major focus of this course will be the changes in the visual arts from the concept of the "avant-garde" to the conception of an artist as a cultural creator. While exploring movements such as Abstract Expressionism, Minimalism, and Pop Art, students are encouraged to consider how their own artistic practice contributes to the shaping of cultural environment, as well as the social responsibility attached to that practice. Prerequisites: ART 111 and ART 112, or instructor permission. ***Three credit hours.***

ART 350.SPECIAL TOPICS IN ART

This course focuses on selected topics in the visual arts. Topics will be announced prior to early registration. This course may be repeated for additional credit as the topic changes. Prerequisite: ART 103, ART 104, ART 105 and ART 106, or instructor permission. ***Three credit hours.***

ART 352.TRAVEL STUDIO RESPONSE

This course is a studio response to participation in a summer study tour. Students will use studio time to create artwork inspired by the study tour to be included in a final exhibit. Study tour locations change annually and are announced prior to early registration. This course may be repeated for elective credit as the study tour location changes. Prerequisite: ART 103, ART 104, ART 105, and ART 106, or instructor permission. ***Three credit hours.***

ART 371.SPECIAL TOPICS IN ART HISTORY

The special topics in art history are to be announced by the department. The courses are not sequential and may be repeated for additional credit as the topic changes. Prerequisites: ART 111 and ART 112, or instructor permission. ***Three credit hours.***

ART 372.TRAVEL RELATED ART HISTORY

This course is a special topics art history course related to a Lander Study Tour. Study Tour locations change annually and are announced prior to early registration. This course may be repeated for elective credit as the study tour location changes. Prerequisites: ART103, ART 104, ART 105, and ART 106, or instructor permission. ***Three credit hours.***

ART 398.PROFESSIONAL PRACTICES III

This course is part of a five-course sequence designed to familiarize visual art students with professional practice information and art entrepreneurial content in a measured and meaningful way. These five courses comprise a comprehensive virtual program that covers content essential for the completion of the Art capstone as well as for career success in the creative economy. ART 398 should be taken during the junior year. Graded pass/fail. ***Zero credit hours.***

ART 399.PROFESSIONAL PRACTICES IV

This course is part of a five-course sequence designed to familiarize visual art students with professional practice information and art entrepreneurial content in a measured and meaningful way. These five courses comprise a comprehensive virtual program that covers content essential for the completion of the Art capstone as well as for career success in the creative economy. ART 399 should be taken during the junior year. Graded pass/fail. ***Zero credit hours.***

ART 402.SCULPTURE III

This course provides further exploration and development in sculpture with emphasis on conceptual development and public art installations. Prerequisite: ART 302 or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 403.PHOTOGRAPHY III

This course is designed to provide students experience in identifying the characteristics of successful photographic themes, developing a personal thematic element through repetition and emphasis, editing, and creating a portfolio of meaningful images. Students also produce an independent photographic project that expands on the knowledge gained from previous courses. An SLR digital camera with manual controls is required. Prerequisite: ART 303 or instructor permission. Two three-hour labs. ***Three credit hours*.**

ART 405.PAINTING III

This course continues the exploration and the development of visual relationships, painting technique, and compositional forms as they relate to contemporary painting. It includes an increased emphasis on conceptual development and alternative image-making strategies. Prerequisite: ART 305 or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 406.PRINTMAKING III

Further exploration of materials and methods of printmaking and personal expression in the media. ART 406 may be repeated for additional credit. Prerequisites: ART 306 or instructor permission. Two three-hour labs or three two-hour labs. ***Three credit hours.***

ART 407.CERAMICS III

This course continues a focus on more advanced wheel thrown forms and/or hand built forms, surface, and firing processes. Prerequisites: ART 207 and ART 307, or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 410.SENIOR STUDIO

Student will do independent work on special projects approved by studio advisor. Course is repeatable to a total of 6 hours. Course is to be taken by Bachelor of Fine Arts degree candidates in their senior year or by instructor permission. Prerequisites: Senior standing; 12 hours of 300-level and/or 400-level coursework in 2D or 3D and instructor permission. Six contact hours. ***Three credit hours*.**

ART 422.ADVANCED SCULPTURE STUDIO I

This course continues the exploration and development in sculpture with emphasis on conceptual development and public art installations. Prerequisite: ART 402 or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 423.ADVANCED PHOTOGRAPHY STUDIO I

This course is a continuation of identifying the characteristics of successful photographic themes, developing a personal thematic element through repetition and emphasis, editing, and creating a portfolio of meaningful images. Students also produce an independent photographic project that expands on the knowledge gained from previous courses. An SLR digital camera with manual controls is required. Prerequisite: ART 403 or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 425.ADVANCED PAINTING STUDIO I

This course continues the exploration and the development of visual relationships, painting technique, and compositional forms as they relate to contemporary painting. It includes an increased emphasis on conceptual development and alternative image-making strategies. Prerequisite: ART 405 or instructor permission. Two three-hour labs. ***Three credit hours***.

ART 427.ADVANCED CERAMICS STUDIO I

This course continues a focus on more advanced wheel thrown forms and/or hand built forms, surface, and firing processes. Prerequisite: ART 407 or instructor permission. Two three-hour labs. ***Three credit hours*.**

ART 432.ADVANCED SCULPTURE STUDIO II

This course continues the exploration and development in sculpture with emphasis on conceptual development and public art installations. Prerequisite: ART 422 or instructor permission. ART 432 may be repeated for additional credit. Two three-hour labs. ***Three credit hours*.**

ART 433.ADVANCED PHOTOGRAPHY STUDIO II

This course continues the identification of the characteristics of successful photographic themes, developing a personal thematic element through repetition and emphasis, editing, and creating a portfolio of meaningful images. Students also produce an independent photographic project that expands on the knowledge gained from previous courses. An SLR digital camera with manual controls is required. May be repeated for additional credit. Prerequisite: ART 423 or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 435.ADVANCED PAINTING STUDIO II

This course continues the exploration and the development of visual relationships, painting technique, and compositional forms as they relate to contemporary painting. It includes an increased emphasis on conceptual development and alternative image-making strategies. May be repeated for additional credit. Prerequisite: ART 425 or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 437.ADVANCED CERAMICS STUDIO II

This course continues a focus on more advanced wheel thrown forms and/or hand built forms, surface, and firing processes. May be repeated for additional credit. Prerequisite: ART 427 or instructor permission. Two three-hour labs. ***Three credit hours.***

ART 490.INTERNSHIP

Student participates in practical work experience related to the field of art. Internship is supervised by one faculty member. ***One to nine credit hours.***

ART 498.PROFESSIONAL PRACTICES V

This course is part of a five-course sequence designed to familiarize visual art students with professional practice information and art entrepreneurial content in a measured and meaningful way. These five courses comprise a comprehensive virtual program that covers content essential for the completion of the Art capstone as well as for career success in the creative economy. ART 498 should be taken the first semester of the senior year. Graded pass/fail. ***Zero credit hours.***

ART 499.PROFESSIONAL PRACTICES VI

This capstone course covers professional practices in visual art to assure that graduates are prepared for a career in the creative economy. Students prepare a presentation of business content and participate in a senior art exhibition and other exit assessments. The course will be taken the final semester of the senior year. ***Three credit hours.***

ART 550.SPECIAL TOPICS IN ART

Identified topics in education available for a specific group of professional personnel with common concerns. Topics included may be designed to provide recertification credit for elementary and secondary school teachers. This course may be repeated for additional credit as topics change. ***Three credit hours.***

ARTE 301.ELEMENTARY TEACHING PRACTICES FOR ART

This course explores the methods and materials that are suitable for the elementary art classroom. Assignments include designing lessons and assessments, exploring best practices for technology integration, and investigating strategies for ensuring inclusive classrooms. Co-requisite: EDUC 329. Three credit hours.

ARTE 451.SECONDARY TEACHING PRACTICES FOR ART

This course explores methods and materials that are suitable for middle and high school art classrooms. Assignments include designing units and assessments, exploring best practices for technology integration, and creating plans for effective program management. Co-requisite: EDUC 429. ***Three credit hours.***

ASTRONOMY

ASTR 101.SURVEY OF ASTRONOMY

This course introduces the fundamental topics of astronomy for non-science majors and is not based on observation. Topics include the solar system, stars, galaxies, cosmology, and new discoveries in astronomy. Either ASTR 101 or ASTR 111 can be taken for degree credit, but both cannot be counted. Three hours lecture weekly (General Education – Scientific and Mathematical Reasoning, non-laboratory science course). ***Three credit hours.***

ASTR 111.INTRODUCTION TO ASTRONOMY

This course is an introduction to the fundamental topics of astronomy for non-science majors. Topics will include solar system, stars, galaxies, cosmology, and new discoveries in astronomy. Three hours lecture weekly, three

hours lab weekly. (General Education – Scientific and Mathematical Reasoning and General Education Elective) ***Four credit hours.***

BIOLOGY

BIOL 101.GENERAL BIOLOGY

This laboratory science course provides non-majors with an introduction to the foundational themes of biology. Topics include scientific inquiry, cellular processes, reproduction, genetics, evolution, ecology, and conservation biology. This course cannot be used to satisfy the requirements for the biology major or biology minor. Three hours lecture, three hours laboratory weekly. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours.***

BIOL 102.ORGANISMAL BIOLOGY

This laboratory science course provides non-majors with a survey of biological diversity. Students will examine the major groups of prokaryotes, protists, plants, fungi, and animals in both classroom and field settings. Form and function, ecology, and evolutionary relationships are emphasized. This course cannot be used to satisfy the requirements for the biology major or biology minor. Three hours lecture, three hours laboratory weekly. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours.***

BIOL 103.PLANTS AND PEOPLE

This is a survey course that examines the interdependence of humans and plants. Emphasis is placed on the aspects of plant biology that supply humans with food, medicine, clothing, shelter, and material goods as well as those that produce stimulating, intoxicating, or harmful effects. Students will learn basic principles of plant taxonomy, structure, physiology, genetics, and defense, as well as the history of plant use by humans. This course cannot be used to satisfy the requirements for the biology major or biology minor. Three hours lecture, three hours laboratory weekly. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours.***

BIOL 111.PRINCIPLES OF BIOLOGY I

One-half of a two-semester introduction to biology designed to prepare the student for further study in scientific and medical fields. Topics include the scientific method and biological inquiry, genetics, ecology, evolution, and the history of life. Three hours lecture, three hours laboratory weekly. Prerequisite or co-requisite: MATH 121, MATH 123, or MATH 141. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours.***

BIOL 112.PRINCIPLES OF BIOLOGY II

One-half of a two-semester introduction to biology designed to prepare the student for further study in scientific and medical fields. Topics include the scientific method and biological inquiry, cell structure, metabolism, the cell cycle, and inheritance. Three hours lecture, three hours laboratory weekly. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours.***

BIOL 202.HUMAN ANATOMY

Each organ system of the human body is studied. Both gross and microscopic anatomy are covered, with emphasis placed on the relationship between structure and function. No prerequisite. Three lecture hours and three laboratory hours weekly. ***Four credit hours.***

BIOL 203.HUMAN PHYSIOLOGY

The course uses an organ system approach. The normal functions of each organ system are covered with a strong emphasis on functions at the cellular level as well as the organ level. A strong chemistry background is essential for the successful completion of this course. Prerequisites: a grade of "C" or better in BIOL 202. Three hours lecture and three hours laboratory weekly. ***Four credit hours.***

BIOL 204.MICROBIOLOGY

This course is a study of microorganisms with emphasis placed on those directly related to health problems, with special references to epidemiology and diagnostic procedures. Three hours lecture and three hours laboratory weekly. Prerequisites: "C" or better in BIOL 202-203. ***Four credit hours.***

BIOL 213.BOTANY

This course covers evolution, diversity, reproduction, development, structure, and function of the Plantae. Three hours lecture, three hours laboratory weekly. Prerequisite: "C" or better in BIOL 111. ***Four credit hours.***

BIOL 214.ZOOLOGY

This course provides a survey of invertebrate and vertebrate animals covering their diversity, morphology, behavior, and evolution. Three hours lecture, three hours laboratory weekly. Prerequisites: "C" or better in both BIOL 111 and BIOL 112**.** ***Four credit hours.***

BIOL 270.SPECIAL TOPICS IN BIOLOGY

Designed to provide students with a broader knowledge and understanding of biology, this course will involve the study of topics not currently included, or not covered in depth, in the regular curriculum. Possible formats include (but are not limited to) seminar, field study, laboratory study, lecture, or a combination of these, depending on the topic covered. May be taken for additional credit as topic changes. Prerequisite: Instructor permission. ***One to four credit hours.***

BIOL 299.SOPHOMORE SEMINAR IN BIOLOGY

The first in a series of three required academic and professional development courses, this offering will include instruction and active learning in the following areas: careers in biology and admissions requirements for graduate and professional schools, bioethics, plagiarism, finding reputable sources of scientific information, and communication skills pertaining to the sciences. Pre-requisite: "C" or better in BIOL 111 and BIOL 112. ***One credit hour.***

BIOL 303.EVOLUTION

This course introduces students to the principles of evolutionary biology through discussion and lecture. Topics include the history of evolutionary biology, mechanisms of evolution, population genetics, history of life, relationships between speciation and extinction, basic phylogenetic methods, coevolution, and human evolution. Three hours lecture weekly. Prerequisites: "C" or better in both BIOL 111 and BIOL 112**.** ***Three credit hours.***

BIOL 304.PATHOPHYSIOLOGY

A study of the underlying principles of physiologic dysfunction; to include circulatory, metabolic, immune, and endocrine disturbances, degenerative processes, genetic disorders, the inflammatory process, and neoplasia. Three hours lecture. Prerequisite: "C" or better is BIOL 203. ***Three credit hours.***

BIOL 306.ECOLOGY

This course is a study of the relationships between organisms and their environment. Topics will include population dynamics, community interactions, and ecosystem processes. Laboratory and field exercises provide experience with experimental design in ecology as well as data analysis and interpretation. Three hours lecture, three hours laboratory weekly. Prerequisites: MATH 211, "C" or better in BIOL 111 and "C" or better for either BIOL 213, 214, 303 or GEOL 111. ***Four credit hours.***

BIOL 307.ANIMAL DEVELOPMENT

This course is a study of animal development and embryogenesis in both vertebrate and invertebrate model systems. Emphasis is placed upon the cellular, molecular, and genetic mechanisms underlying differentiation, morphogenesis, and developmental pattern formation. Three hours lecture, three hours laboratory weekly. Prerequisite: "C" or better in BIOL 312. ***Four credit hours.***

BIOL 308.COMPARATIVE VERTEBRATE ANATOMY

This course is an in-depth comparative survey of the organ systems of vertebrate animals with emphasis on phylogeny and functional morphology. Three hours lecture, three hours laboratory weekly. Prerequisite: "C" or better in BIOL 214. ***Four credit hours.***

BIOL 311.ANIMAL PHYSIOLOGY

This course stresses the physical and chemical bases underlying physiological functions and regulatory processes in the organ systems of vertebrates. Three hours lecture, three hours laboratory weekly. Prerequisite: BIOL 299. ***Four credit hours.***

BIOL 312.GENETICS

This course is an introduction to the history and fundamental principles of genetics and patterns of inheritance. Topics include classical Mendelian genetics, genetic mapping, and a survey of microbial, biochemical, human, and population genetics. The laboratory provides an introduction to the basic methods of genetic research and genetic analysis. Three hours lecture, three hours laboratory weekly. Prerequisites: CHEM 221 and "C" or better in BIOL 111, BIOL 112, and BIOL 299. ***Four credit hours.***

BIOL 313.PLANT ANATOMY

A study of the structure and development of vascular plant cells, tissues, and organs. Emphasis is placed on the relationships between structure and function as well as the evolutionary origins of major plant structures. Three hours lecture, three hours laboratory weekly. Prerequisite: "C" or better in BIOL 213, or instructor permission. ***Four credit hours.***

BIOL 321.FOUNDATIONS OF MEDICINE

This course reviews and helps the student organize the foundational concepts needed to enter medical school. 1. Knowledge of scientific concepts and principles. 2. Scientific reasoning and problem solving. 3. Reasoning about the design and execution of research. 4. Data-based and statistical reasoning. Students will be required to take two practice MCAT exams, one near the beginning of the course and one near the end of the course, to evaluate their understanding of the foundational concepts. Because these exams range from six to eight hours, these will generally be scheduled on a Saturday or Sunday. Prerequisites: "C" or better in CHEM 221 and PHYS 201 and instructor permission. ***Three credit hours.***

BIOL 399.JUNIOR SEMINAR IN BIOLOGY

The second in a series of three required academic and professional development courses, this offering is designed to improve student facility in sourcing, interpreting, critiquing, summarizing, and presenting biological information from the primary literature. Additional goals include guiding students in preparation for graduate and professional school exams and the assembly of their academic portfolios. Prerequisite: "C" or better in BIOL 299 and "C" or better for either BIOL 213, BIOL 214, or BIOL 303. ***One credit hour.***

BIOL 401.CELL BIOLOGY

A study of the structure, function, and organization of cells, including subcellular compartmentalization, membrane systems, protein targeting, cell transport, energetics, the cytoskeleton, cell motility, the extracellular matrix, regulation of the cell division cycle, signal transduction and cell-cell interactions. Three hours lecture, three hours laboratory weekly. Prerequisites: CHEM 221, "C" or better in BIOL 112 and 312. ***Four credit hours.***

BIOL 403.MOLECULAR GENETICS

This course is a study of the structure, organization, and regulation of genetic material. Emphasis is placed on the molecular and biochemical regulation of genome replication, gene expression, and on the molecular techniques used in DNA manipulation. Three hours lecture, three hours laboratory weekly. Prerequisites: "C" or better in BIOL 303. ***Four credit hours.***

BIOL 406, 407, 408, 409, 410. BIOLOGY RESEARCH

This course involves directed laboratory or field research in biology. Students will be responsible for writing a research proposal; designing experiments; collecting, analyzing, and interpreting data; and communicating their findings to the biology faculty. Prerequisite: "C" or better in BIOL 299 and permission of supervising faculty member. ***Zero to four credit hours.***

BIOL 412.GENETICS RESEARCH

This course involves directed laboratory research in genetics. Projects are expected to be of sufficient depth and breadth to encompass a minimum of two semesters of laboratory research. Students will register for credit during their final semester of research. A public seminar on research results must be presented during the semester in which course credit is granted. Prerequisite: "C" or better in BIOL 312. ***Four credit hours.***

BIOL 415.LIMNOLOGY

This course is a study of the biological, physical, and chemical characteristics of freshwater systems. Emphasis will be placed on the ecology of lakes, streams, and rivers. Laboratory exercises provide experience with experimental design and data analysis through investigations of limnological concepts in field and laboratory settings. Three hours lecture, three hours laboratory weekly. Prerequisites: MATH 211 and a grade of "C" in either BIOL 303 or BIOL 306. ***Four credit hours.***

BIOL 421.GENERAL MICROBIOLOGY

Using examples from bacteria, protozoa, fungi, and viruses, the following concepts will be emphasized: evolution, microbial structures and functions, metabolic diversity, microbial genetics, interactions within systems, impact of microbes on the environment and humans, and microbial control. Laboratory skills in manipulating, culturing, enumerating, and identifying microbes will also be emphasized. Three hours lecture, three hours laboratory weekly. Prerequisites: CHEM 221 and "C" or better in BIOL 299 and BIOL 303, or instructor permission. ***Four credit hours.***

BIOL 422.IMMUNOLOGY AND SEROLOGY

This course is an introduction to the following concepts: evolution and the structures and functions of the mammalian immune system, genetic and molecular mechanisms of diverse immune responses, and coordination of immune responses and their dysfunction. Laboratory skills include performing fundamental immunological and serological techniques. Three hours lecture, three hours laboratory weekly. Prerequisites: CHEM 221, "C" or better in BIOL 299 and BIOL 303, or instructor permission. ***Four credit hours.***

BIOL 470.SPECIAL TOPICS IN BIOLOGY

Designed to provide students with a broader knowledge and understanding of biology, this course will involve detailed study of advanced topics not currently included, or not covered in depth, in the regular curriculum. Possible formats include (but are not limited to) seminar, field study, laboratory study, lecture, or a combination of these, depending on the topic covered. May be taken for additional credit as topic changes. Prerequisite: Instructor permission. ***One to four credit hours.***

BIOL 490.BIOLOGY INTERNSHIP

This course involves practical experience in an approved biology-related work situation. The experience will be supervised by a site supervisor as well as a member of the Biology faculty, who will make at least one visit to the job site. The student will maintain and submit a folio of experiences and write a final paper summarizing the experience and the knowledge gained from it. The student is responsible for meeting all living and travel expenses. Credit hours awarded are determined on a case-by-case basis by the Department Chair and Biology Internship Coordinator and in accord with university policy. Course grade will be determined based on the written evaluations by the field supervisor and written report rendered by the student. This course cannot be used to satisfy the biology elective requirements for the biology major or biology minor. Prerequisites: "C" or better in BIOL 299 and BIOL 303, a minimum 2.6 science GPA, and a minimum 2.75 institutional GPA. ***One to three credit hours.***

BIOL 498.SENIOR SEMINAR IN GENETICS

In this course, students examine the current research in genetics. It may include reading and analysis of research papers, research seminars presented by students or by invited guest geneticists. It cannot be used to satisfy the biology elective requirements for the biology major or biology minor. Graded pass/fail. Prerequisites: "C" or better in BIOL 312, and senior class standing. ***One credit hour.***

BIOL 499.SENIOR SEMINAR IN BIOLOGY

The third in a series of three required academic and professional development courses, this offering is designed to be taken during the student's final spring semester at Lander. It will include an oral presentation of a faculty approved literature-based research topic in biology, which should represent a culmination of biological knowledge and communication skills gained in the prerequisite courses. This course will include end-of-program assessments. Prerequisites: Instructor permission**.** ***One credit hour.***

BIOM 111. HUMAN BIOLOGY

This is the first course of a two-semester introduction to medical biology. This course explores the biology of what it is to be human—the origins of human variation, inheritance in humans, the evolution of the human species, and population genetics. The course will also examine how the human body works, homeostasis, biological dysfunction, and compensation to change. Three hours lecture, three hours laboratory weekly**.** ***Four credit hours.***

BIOM 195.FRESHMAN SEMINAR IN MEDICAL BIOLOGY

This is the first course in a four-course series that introduces students to careers in health care fields. The American health care system is introduced and an explanation of the requirements to work in health care are discussed. Course work includes completion of a personal statement of why students want to work in the health care field. Basic interview skills required for admission into professional school will be also be presented. Prerequisites: Freshman status as a Medical Biology major. ***One credit hour.***

BIOM 295.SOPHOMORE SEMINAR IN MEDICAL BIOLOGY

This is the second course in a four-course series that introduces students to careers in health care fields Building on prior coursework, additional complexities of the American health care system will be examined. Best practices for submitting applications for entry in the health care fields and interviewing skills will be practiced. Reading and interpreting clinical research and scientific primary literature will be introduced. Prerequisites: Sophomore status as a Medical Biology major and "C" or better in BIOM 195. ***One credit hour.***

BIOM 320.BIOMEDICAL STATISTICS

This course introduces concepts for the interpretation, evaluation, and communication of biomedical research and provides the framework to rigorously analyze data. The application of statistics to biomedical sciences, including clinical trials, epidemiology, and genomics is emphasized. Topics include biomedical study design, randomization, graphical data displays, control bias, variability, interactions, and ethics of human experimentation. Prerequisite: a "C" or better in MATH 211. ***Three credit hours.***

BIOM 321.FOUNDATIONAL CONCEPTS FOR ADMISSION TO MEDICAL SCHOOL

This course reinforces the scientific reasoning and analytical skills necessary for successful admission to medical school. Students are required to take two practice MCAT exams, one near the beginning of the course and one near the end of the course, to evaluate their understanding of the foundational concepts. Because these exams range from six to eight hours to complete, they are typically scheduled on a Saturday or Sunday. Prerequisites: "C" or better in CHEM 221 and PHYS 201 and permission of instructor. ***Three credit hours.***

BIOM 395.JUNIOR SEMINAR IN MEDICAL BIOLOGY

This is the third course in a four-course series introducing students to careers in health care fields. The specific requirements and skills necessary for the student's chosen field in health care will be identified and discussed. The skills necessary for communicating with people from diverse backgrounds and with research and medical professionals will be addressed and the ethical principles of health care are introduced. Prerequisites: Junior status as a Medical Biology major and "C" or better in BIOM 295. ***One credit hour.***

BIOM 499. SENIOR CAPSTONE SEMINAR IN MEDICAL BIOLOGY

This is the final course in a four course series designed to prepare students for careers in health care fields and it will be taken during a student's final semester in the program. It will include an oral and written presentation of a faculty approved literature-based research topic in health care, which will represent a culmination of biological and communication skills. Prerequisites: Graduating semester status and "C" or better in BIOM 395. ***One credit hour.***

BUSINESS ADMINISTRATION

BA 101.INTRODUCTION TO BUSINESS

A course open to all students interested in a survey of the activities that occur in a business organization. The dynamics of how business influences the consumer, the nation, and world are emphasized. ***Three credit hours.***

BA 226.INTRODUCTION TO ANALYTICAL METHODS

Introduction to the concepts and applications of analytical methods with an emphasis on decision making in business. Within a business perspective, topics covered include descriptive statistics, statistical inference, probability, hypothesis testing, linear regression, and analysis of variance. Prerequisite: "C" or better in MATH 211. ***Three credit hours.***

BA 250.BUSINESS ANALYSIS USING SPREADSHEETS

This hands-on class uses spreadsheet technology to do basic and advanced business analysis. The class will teach students spreadsheet basics and advanced techniques that support business decision making in all disciplines. Specific topics are basic spreadsheet operations, creating pivot tables and charts, using what-if analysis tools, and steps on how to create well-designed, readable reports. ***Three credit hours.***

BA 251.LEGAL ENVIRONMENT OF BUSINESS

An introduction to the legal process to demonstrate its effects on business. Emphasis is placed on legislative, administrative, and common law, stressing topics affecting business such as environmental issues, consumer rights, and special and ethical problems confronting business management; thus, the focus is on public law, the regulation of business, and legal trends rather than on detailed private law. ***Three credit hours.***

BA 299.PROFESSIONAL DEVELOPMENT I

A seminar course to support the development of entry-level business skills and to enhance career planning through self-discovery. Emphasis is placed on oral business communications, critical self-assessment and developmental planning, time management skills, and professional decorum. Prerequisites: "C" or better in ENGL 102 and BA 101 and sophomore status. ***One credit hour.***

BA 304.MANAGEMENT INFORMATION SYSTEMS

This course studies the role of Management Information Systems in organizations. Topics include various enterprise systems, implementing systems, networks, information management, decision making, and the latest

trends in information systems. Prerequisites: "C" or better in ACCT 201, BA 101, ECON 101 or ECON 201 or ECON 202, and MATH 211 or BA 225. For business majors additional prerequisite includes completion of 42 credit hours. ***Three credit hours.***

BA 325.ADVANCED ANALYTICAL METHODS

This course emphasizes quantitative decision-making processes. Decision Analysis, Linear Programming, Transportation Models, and PERT/CPM are the principal thrust of the course. Excel is used extensively throughout the class. Prerequisites: "C" or better ACCT 201, BA 226, ECON 101 or ECON 201 or ECON 202, and MATH 211 or BA 225. For business majors additional prerequisite includes completion of 42 credit hours. ***Three credit hours.***

BA 351.BUSINESS ETHICS

This course provides the foundation to recognize environmental factors that influence ethical decision making in today's global business community and to formulate possible solutions using a process or model for making ethical choices in business. International corporate social responsibility is also discussed. Prerequisites: Junior or senior status, "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For non business majors, instructor permission. ***Three credit hours.***

BA 360.ORGANIZATIONAL FUNDRAISING

This course examines the key elements within developing and leading a portfolio of actions in order to raise revenue for existing or new organizational initiatives. Examples of organizational fundraising topics include capital campaigns, annual giving, establishment of organization foundations, major gifts-in-kind, technology-enabled fundraising, prospect research, fundraising management, and strategic planning. ***Three credit hours.***

BA 369.SPECIAL TOPICS IN BUSINESS

This course allows for the study of business topics which are not a part of the regular course offerings. Course may be repeated up to 3 times provided the topic is different. To repeat the course to improve a grade, the topic must be the same. Prerequisites: "C" or better ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For non-business majors: Instructor permission. ***Three credit hours.***

BA 390.INTERNATIONAL BUSINESS

This course provides a broad overview of globalization, international trade, the international monetary system, foreign exchange markets, global capital markets, exchange rate determination, interest rate parity, purchasing power parity, country differences in legal systems, political systems, economic systems, language, culture, labor costs, resource endowments, tariffs, import and export regulations, trade agreements, and regional economic integration. Each of these factors requires significant changes in how individual business units operate from one country to the next. Prerequisite: Junior or senior status. ***Three credit hours.***

BA 399.PROFESSIONAL DEVELOPMENT II

This seminar course builds on BA 299 by expanding career planning knowledge, skills, and abilities. Topics include: teamwork, career planning, resume development, professional networking, and interviewing. Pre-requisites: "C" or better in BA 299 and junior status. ***One credit hour.***

BA 414.BUSINESS STRATEGY

This capstone course focuses on strategic management in small and large organizations. This involves the evaluation of the organization's situation, analysis and selection of strategic alternatives, and implementation and evaluation of the strategic plan. Prerequisites: Senior status, "C" or better in BA 304, FINA 301, and MKT 201; co-requisites: BA 325 and MGMT 330. ***Three credit hours.***

BA 490.BUSINESS INTERNSHIP

This course will provide practical experience in a business-related field through an approved agency or business under the supervision of professional employees and the course instructor. The course may be taken for a maximum of six hours and used as a business elective or general elective. Internship is dependent upon position availability. Prerequisites: Instructor permission, and junior or senior status, and "C" or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. ***One to six credit hours.***

BA 491.BUSINESS INTERNSHIP II

This course is designed to give students additional practical work experience in a field related to their majors. The student works through an approved agency or business under the supervision of professional employees and the course instructor. The grade is based on the requirements stated in the course syllabus, which will include

evaluations by the field supervisor and the course instructor as well as written reports rendered by the student. This course may be taken for additional credit for a maximum of six hours; only three hours may be used as an elective. Internships are dependent upon availability of positions. Prerequisites: BA 490, senior status in the major, and instructor permission. ***One to six credit hours*.**

BA 499.PROFESSIONAL DEVELOPMENT III

This is a seminar course that builds on BA 399 and reinforces professional knowledge, skills, and abilities that are important to success in any business career. Topics include business etiquette, job search strategies, communication packages, and interviewing. Prerequisite: "C" or better in BA 399 and senior status; co-requisite: BA 414. ***One credit hour*.**

CALL ME MISTER

CMM 101.CALL ME MISTER – INTRODUCTORY SEMINAR 1

This seminar series examines the origins of the MISTER initiative and a series of topics associated with development of leadership skills in preparation for the teaching profession. Attendance at Call Me MISTER activities required. Prerequisite: Acceptance into Call Me MISTER program. ***One credit hour.***

CMM 102.CALL ME MISTER – INTRODUCTORY SEMINAR 2

This seminar extends the study of the origins of the MISTER initiative and continues the series of topics associated with the development of leadership skills in preparation for the teaching profession. Attendance at Call Me MISTER activities required. Prerequisite: Acceptance into Call Me MISTER program. ***One credit hour.***

CMM 201.CALL ME MISTER – LEADERSHIP SEMINAR 1

This seminar series will focus on the study of effective servant leadership skills. Participation in opportunities that will develop the MISTERs' abilities to become positive role models to elementary aged students are required. Issues pertinent to the education of students from diverse backgrounds and fundamental to fulfilling the mission of Call Me MISTER will be included. Prerequisite: Acceptance into Call Me MISTER program. ***One credit hour.***

CMM 202.CALL ME MISTER – LEADERSHIP SEMINAR 2

This seminar series will continue to focus on the study of effective servant leadership skills. Participation in opportunities that will develop the MISTERs' abilities to become positive role models to elementary aged students are required. Issues pertinent to the education of students from diverse backgrounds and fundamental and to fulfilling the mission of Call Me MISTER will be included. Prerequisite: Acceptance into Call Me MISTER program. ***One credit hour.***

CMM 301.CALL ME MISTER – LEADERSHIP SEMINAR 3

This seminar series will extend the study of effective servant leadership skills. Participation in opportunities that will develop the MISTERs' abilities to become positive role models to elementary aged students are required. Issues pertinent to the education of students from diverse backgrounds and fundamental to fulfilling the mission of Call Me MISTER will be included. Prerequisite: Acceptance into Call Me MISTER program. ***One credit hour***.

CMM 302.CALL ME MISTER – LEADERSHIP SEMINAR 4

This seminar series will extend the study of effective servant leadership skills. Participation in opportunities that will develop the MISTERs' abilities to become positive role models to elementary aged students are required. Issues pertinent to the education of students from diverse backgrounds and fundamental to fulfilling the mission of Call Me MISTER will be included. Prerequisite: Acceptance into Call Me MISTER program. ***One credit hour.***

CMM 401.CALL ME MISTER – LEADERSHIP SEMINAR 5

This seminar series will be a culmination of the study of effective servant leadership skills. Participation in opportunities that will develop the MISTERs' abilities to become positive role models to elementary aged students are required. Issues pertinent to the education of students from diverse backgrounds and fundamental to fulfilling the mission of Call Me MISTER will be included. Prerequisite: Acceptance into Call Me MISTER program. ***One credit hour***.

CMM 402.CALL ME MISTER – LEADERSHIP SEMINAR 6

This seminar series will be a culmination of the study of effective servant leadership skills. Participation in opportunities that will develop the MISTERs' abilities to become positive role models to elementary aged students are required. Issues pertinent to the education of students from diverse backgrounds and fundamental to fulfilling the mission of Call Me MISTER will be included. Prerequisite: Acceptance into Call Me MISTER program. ***One credit hour.***

CHEMISTRY

CHEM 101.INTRODUCTION TO CRIMINALISTICS

Students will learn how science aids the criminal justice system through crime scene analysis, the collection and preservation of evidence, and laboratory techniques. Laboratory methods commonly employed in the analysis of evidence will be discussed. Topics include drugs, fingerprints, ballistics, and trace evidence. Three hours lecture weekly. (General Education – Science and Mathematical Reasoning non-laboratory science) ***Three credit hours.***

CHEM 103.CONSUMER CHEMISTRY

A basic course for non-science majors that stresses the fundamental concepts of chemistry and applies them to the everyday world of the consumer. Topics covered include the metric system, atomic structure, chemical formulas, nuclear medicinal chemistry, organic polymer chemistry, dental chemistry, home products such as soaps and detergents, pharmaceutical drug chemistry, acids and bases, and food chemistry. Three hours lecture, three hours laboratory weekly. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours.***

CHEM 105-106.ESSENTIALS OF INORGANIC, ORGANIC, AND BIOCHEMISTRY

A two-semester sequence for non-science majors. Biochemically significant substances and phenomena are used as the basis for understanding principles of general, organic, and biochemistry. Recommended course for nursing majors. Three hours lecture, three hours laboratory weekly. CHEM 105 or CHEM 111 is a prerequisite for CHEM 106. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours per course.***

CHEM 111-112.GENERAL CHEMISTRY

A systematic treatment of chemical principles. Topics include atomic structure, chemical bonding, states of matter, thermodynamics, equilibrium principles, kinetics, acid-base theory, electrochemistry, coordination compounds, and radiochemistry. Three hours lecture, three hours laboratory weekly. CHEM 111 is a prerequisite for CHEM 112. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours per course.***

CHEM 197.SCIENTIFIC COMMUNICATIONS I

This course is a study of all aspects of technical communications in both academic and professional contexts. Emphasis will be placed on how to interpret and produce various methods of data representations. One hour lecture weekly. ***One credit hour.***

CHEM 198.SCIENTIFIC COMMUNICATIONS II

This course is a study of all aspects of technical communications in both academic and professional contexts. Emphasis is placed on how to interpret and produce evidence based arguments in written media. One hour lecture weekly. ***One credit hour.***

CHEM 199.SCIENTIFIC COMMUNICATIONS III

This course is a study of all aspects of technical communications in both academic and professional contexts. Emphasis will be placed on how to interpret and produce evidence based arguments in oral presentations. One hour lecture weekly. ***One credit hour.***

CHEM 205.CHEMISTRY OF BREWING

This course studies the chemistry of the brewing process. It will cover the history of major developments in the brewing process, the chemistry of converting grains into malt, the chemistry of converting malt into wort, and the chemistry of the fermentation process that will convert the wort into a finished beer. The basics of quality control and quality assurance will also be covered. Prerequisite: Students must be 21 years of age or older on the first day of class. Three hours lecture weekly. ***Three credit hours.***

CHEM 221-222.ORGANIC CHEMISTRY

The aliphatic hydrocarbons, aromatic hydrocarbons and heterocyclic compounds and their derivatives are covered with emphasis on structure, nomenclature, class reactions of functional groups and mechanisms of organic reactions. Structural analysis of infrared, nuclear magnetic resonance, and mass spectroscopy is stressed second semester. Three hours lecture, three hours laboratory weekly. Prerequisite: CHEM 112 or approval of instructor. CHEM 221 is a prerequisite for CHEM 222. ***Four credit hours per course.***

CHEM 260.MICROSCOPICAL METHODS

Practical applications of polarized light microscopy; a study of how microscopes can be used to measure optical properties and obtain chemical information from extremely small samples. Topics include optics, micrometry, crystallography, microchemistry, optical staining, and microthermal methods. Prerequisite: CHEM 221. Three hours lecture weekly. ***Three credit hours.***

CHEM 301.BIOCHEMISTRY

This course examines fundamental concepts in biochemistry focused on the major macromolecules and chemical properties of living systems. Primary topics include the structure, function, and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; the physical properties of water, pH, and biological buffers; enzyme kinetics and regulation. Three hours lecture weekly. Prerequisite: "C" or better in CHEM 221. ***Three credit hours.***

CHEM 311.INTERMEDIATE ORGANIC CHEMISTRY

This course is an intermediate treatment of various organic reactions and includes extending and reinforcing the principles and concepts of organic chemistry introduced in CHEM 221 and CHEM 222, specifically functional groups, nomenclature, stereochemistry, polymers, reactions, synthesis, and mechanisms. Three hours lecture weekly. Prerequisite: "C" or better in CHEM 222. ***Three credit hours.***

CHEM 330.ANALYTICAL CHEMISTRY

A study of the basic techniques used in the separation and analysis of chemical substances. Gravimetric, volumetric, spectrophotometric, electrochemical, chromatographic, and potentiometric techniques will be discussed and utilized. Three hours lecture, six hours laboratory weekly. Prerequisites: CHEM 112 and MATH 211***. Five credit hours.***

CHEM 331.CHEMICAL INSTRUMENTATION

The theory and practice of modern methods of instrumental analysis, chromatographic, and spectroscopic techniques are discussed and utilized. Topics include UV-visible, infrared, Raman, atomic absorption and emission, electron microscopy, fluorescence, mass spectrometry, liquid chromatography and gas-liquid chromatography. Three hours lecture, three hours laboratory weekly. Prerequisite: CHEM 112. ***Four credit hours.***

CHEM 341.INORGANIC CHEMISTRY

This course is a study of the principles underlying the structure, occurrence, and synthesis of inorganic substances. Topics covered include: atomic and molecular structure, periodic relationships, chemical bonding, molecular symmetry, chemistry and the structure of non-transition elements, chemistry and the structure of transition elements, and modern experimental methods in inorganic chemistry. Three hours lecture and three hours laboratory weekly. Prerequisites: CHEM 222, CHEM 331. ***Four credit hours.***

CHEM 351.MASS AND ENERGY BALANCES

This course is an introduction to fundamental concepts of chemical engineering, including mass and energy balances, PVT relationships for gases and vapors, and elementary phase equilibria; problem-solving and computer skills are developed in the lab. Three hours lecture, two hours laboratory weekly. Prerequisites: CHEM 112, PHYS 212, MATH 142. ***Four credit hours.***

CHEM 360.TOXICOLOGY

Basic principles of toxicology including quantitation of toxicity, biochemical action of toxicants, and population effects of poisons are studied. Both legacy and emerging contaminants are addressed (pesticides, industrial pollutants, metals, pharmaceuticals) in the context of sources, sinks, and efforts to create regulations. Prerequisites: CHEM 221 and BIOL 112. Three hours lecture weekly. ***Three credit hours.***

CHEM 381.CULTURAL PERSPECTIVES OF POLLUTION

In this course, the science of pollution will be reviewed in order to reveal its causes and effects. The course will examine how cultures other than our own regard and respond to pollution. Students will develop a critical understanding of these relationships as they study several developing areas of the world. Awareness of various cultural perspectives is essential for an accurate comprehension of the impacts of pollution, as well for an understanding of what is possible in the way of adaptation and mitigation solutions to the challenge. (General Education – World Cultures) ***Three credit hours.***

CHEM 390.SPECIAL TOPICS IN CHEMISTRY

Courses designed to provide in-depth study of various topics in chemistry. Specific topics will be announced in advance. Prerequisite: Approval of instructor. (Limited to a maximum of four credit hours toward degree requirements.) ***One to four credit hours.***

CHEM 401-402.PHYSICAL CHEMISTRY

A theoretical and experimental study of observed chemical phenomena, atomic and molecular level interpretation of chemical behavior. Includes properties of gases, thermodynamics, kinetics, molecular structure via

spectroscopic methods, and quantum mechanics. Three hours lecture, three hours laboratory weekly. Prerequisite: PHYS 201 or 211. CHEM 401 is a prerequisite for CHEM 402. ***Four credit hours per course***.

CHEM 406, 407, 408, 409, 410. RESEARCH

These courses include research on special topics for juniors and seniors in Chemistry. The courses are limited to a maximum of four credit hours toward major requirements and are offered on demand to qualified students. These courses are not sequential. Prerequisites: A minimum GPA of 3.0 is required along with instructor permission. ***Zero to four credit hours.***

CHEM 420.ENVIRONMENTAL CHEMISTRY

Origins, transport, reactions, effects, and fates of chemical species in water, air, terrestrial, and biotic environments. The theory and practice of modern chemical instrumentation are applied to environmental samples from a variety of sources. Three hours lecture weekly. Prerequisites: CHEM 221. ***Three credit hours.***

CHEM 490.INTERNSHIP IN CHEMISTRY

This course gives students practical experience in an approved chemistry-related work situation. The experience will be supervised by a member of the chemistry faculty. The student will be required to maintain a journal of experiences and will submit it and a final paper and/or presentation describing the experience and the knowledge gained from it. The student is responsible for meeting all living and travel expenses related to this course. A minimum of 3 hour per week of on-the-job experience for at least 11 weeks is required for each hour of credit earned in the course. This course may be repeated for a maximum of 12 credit hours. The prerequisites: CHEM 112 and instructor permission. Graded pass/fail. ***One to twelve credit hours.***

COLLEGE SEMINAR

CSEM 101.COLLEGE SEMINAR

College Seminar is designed to help students develop effective study skills that they will continue to use throughout their academic career. In College Seminar, students refine their skills through peer interaction and direct application of the newly acquired skills to their current coursework. The course examines various topics needed for college success (i.e. note taking, time management, concentration, study strategies, test taking strategies, and test anxiety.) Permission required by the Academic Success Center, Genesis Hall. ***Two credit hours.***

COMPUTER INFORMATION SYSTEMS

CIS 101.COMPUTER FUNDAMENTALS

Characteristics and applications of computers in today's society. Hands-on experience with microcomputers and a variety of applications software. This course is not designed as an introduction to programming and is not available for credit to students in Computer Information Systems or Mathematics majors. Prohibited to students currently enrolled in or having earned credit in CIS 102, CIS 111, CIS 112, CIS 113, and CIS 202. ***Three credit hours.***

CIS 102.APPLICATION SOFTWARE

Designed to enable students to improve their personal productivity as knowledge workers. Topics include advanced software functionality, organization and management of data, webpage design and publishing, effective presentation design and delivery. Course environment will include both lectures and laboratory experience. ***Three credit hours.***

CIS 120.FUNDAMENTALS OF INFORMATION SYSTEMS AND INFORMATION TECHNOLOGY

This course introduces students to information systems and information technology. Topics will include the overview of computer hardware and software, management information systems, computer networking, organization and management of data, decision making, careers, and professional ethics**.** ***Three credit hours.***

CIS 130.PROBLEM SOLVING AND PROGRAMMING METHODS

This course introduces problem-solving and computational thinking. Topics include syntax, data types, stepwise refinement, and structured and modular design methods. Course environment will be both lecture and lab. Prerequisite or co-requisite: One of the following: MATH 114, MATH 121, MATH 123, MATH 141, or MATH 211. ***Four credit hours.***

CIS 140.NETWORKING LAB

Designed to provide students with an understanding of the principles of computer networks and protocols through hands-on activities and experimentation. Topics include: static and dynamic addressing, building LANS and VLANS using switches, building internetworks using routers, configuring network components to allow or deny access, deploying and evaluating communication protocols using network utilities and server software that are used in present day network infrastructures, and other emerging topics. ***One credit hour.***

CIS 202.COMPUTER APPLICATIONS FOR ENGINEERS

A course in solving engineering-oriented problems. Students learn how to use computer software including spreadsheets and a mathematical package. Prerequisite: MATH 141 with "C" or better, CIS 130 with "C" or better or previous programming experience. ***Three credit hours.***

CIS 230.COMPUTER PROGRAMMING PRINCIPLES I

Problem solving and algorithm development. Includes programming style, structured programming, selection, iteration, arrays, modular programming, basic object-oriented programming concepts, strings, and files. Course environment will be both lecture and practicum. Prerequisite: "C" or better in CIS 130. ***Four credit hours***.

CIS 231.COMPUTER PROGRAMMING PRINCIPLES II

A continuation of CIS 230 including recursion, object-oriented programming concepts, basic graphical user interface programming, and basic data structures. Prerequisites: "C" or better in CIS 230. ***Four credit hours***.

CIS 234.INTRODUCTION TO C/C++ PROGRAMMING

Problem solving and algorithmic development in C/C++ programming language in a Unix-like environment. Includes programming style, structured programming, selections, iteration, arrays, structures, unions, pointers, modular programming, and basic object-oriented programming. Course environment will be both lecture and practicum. Prerequisite: "C" or better in CIS 230. ***One credit hour.***

CIS 240.INTRODUCTION TO DATA COMMUNICATIONS

This course covers networking and telecommunications concepts and standards. Topics include wired and wireless transmissions, signal encoding techniques, digital data communication techniques, data link control, multiplexing, distributed and centralized computer systems, and the OSI model. Prerequisites: "C" or better in both CIS 120 and CIS 230. ***Three credit hours.***

CIS 243.FUNDAMENTALS OF CYBERSECURITY

Designed to provide a holistic overview of the field of Cybersecurity. Topics include: security principles and policies, laws and regulations, security assessment and testing, asset protection, basic cryptography, authentication, ethics, malware, computer and network forensics, threat and vulnerability detection and protection, and other emerging topics. Prerequisite: "C" or better in CIS 130. ***Three credit hours.***

CIS 250.INTRODUCTION TO E-COMMERCE

An introduction to organizational strategies and network informational technologies necessary to implement a variety of business models for connecting clients, businesses, government agencies, etc. for transfer of information using various kinds of computer networks. The course will also cover an introduction to business strategies, design of e-business solutions, and the technological architecture required to implement various e-business relationships (B2B, B2C, B2G, etc.). Prerequisite: CIS 120 with "C" or better. ***Three credit hours.***

CIS 260.NETWORK AND SYSTEM ADMINISTRATION

This course introduces concepts essential to the administration of operating systems and networks. Topics explored include application installation and configuration, user account management, understanding and management of file systems, file backup and restoration, basic operating system commands (including network related commands)and utilities, task automation using scripting, serial and parallel communication, and other emerging topics. Prerequisite: "C" or better in CIS 130. ***Three credit hours*.**

CIS 300.NUMERICAL ANALYSIS

An introduction to scientific computing. The use of numerical methods in solving equations, systems of linear equations, and differential equations. Numerical integration. (Cross-listed as MATH 300). Students are encouraged to take CIS 102 or CIS 202. Prerequisites: MATH 142 ("C" or better) and CIS 130. ***Three credit hours.***

CIS 320.INFORMATION SYSTEMS AND PRACTICE

This course will give students continuing experience with the theory of the Information Systems discipline. Application of these theories to the success of organizations and to the roles of management, users, and IS professionals is the focus of the course. Topics will include: systems theory and concepts; enterprise-wide information systems; functions and roles of information systems in organizations; decision support technologies including data warehouse, data mining, and artificial intelligence; information system strategies; information technology infrastructure; societal and ethical issues of IS; emerging technologies. Prerequisites: "C" or better in the following: CIS 120, CIS 230, and either CIS 102 or CIS 202. ***Three credit hours***.

CIS 321.ANALYSIS AND DESIGN

Analysis and design of information systems with a focus on structured and object-oriented techniques, the software life cycle, modeling tools, development of team skills, and project management. Prerequisite or co-requisite: CIS 231. Prerequisites: CIS 120, and either CIS 102 or 202, all with "C or better. ***Three credit hours.***

CIS 330.SOFTWARE DEVELOPMENT: FUNDAMENTALS AND TECHNIQUES

Designed to cover fundamentals and recent techniques in software development. Topics may include but not limited to: user interface design and implementation, software development using patterns, data structures and algorithms, or multi-thread/multi-core programming. Prerequisites: "C" or better in CIS 231 and "C" or better in either CIS 102 or CIS 202. Repeatable for additional credit as topics change with instructor permission. ***Three credit hours***.

CIS 335.COMPUTER ORGANIZATION AND ARCHITECTURE

This course covers the functions and design of digital computer hardware at various levels of abstraction, below operating systems. Topics include data representations, digital logic, instruction set architecture, assembly language programming, addressing modes, memory hierarchy (cache memory and virtual memory), relationship with operating systems, and performance measurements. Prerequisites: "C" or better in CIS 230. ***Three credit hours***.

CIS 340.COMMUNICATION PROTOCOLS

Principles of communication protocols including a comparison of the OSI and the TCP/ IP reference models. This course includes an in-depth analysis of TCP/IP and application protocols built on top of TCP/IP or similar protocols. Prerequisite: "C" or better in CIS 240. ***Three credit hours.***

CIS 341.THEORY OF DATA COMMUNICATIONS

In-depth study of data communications including design principles, standards, protocols, algorithms, architectures, models, and performance. Prerequisite: "C" or better in CIS 240. ***Three credit hours.***

CIS 343.COMPUTER FORENSICS

Computer devices retain far more information that most people realize. Retrieving this information can provide considerable electronic evidence. Computer forensics is the forensic science discipline of acquiring, preserving, retrieving, and presenting electronic data. This course is designed to provide comprehensive understanding of computer forensics principles. Topics include: admissibility and preparation of electronic evidence, e-evidence preservation, chain of custody, examination of computers and digital media including operating systems, graphics files, and email, detecting intrusions, malware and fraud, legal and ethical issues and responsibilities, and other emerging topics. Prerequisite: "C" or better in CIS 243. ***Three credit hours.***

CIS 344.NETWORK SECURITY AND FORENSICS

To secure a network, administrators must perform a variety of tasks ranging from giving access authorization to data and equipment, to preventing unwanted access and malicious attacks on data or network components. This course is designed to provide a comprehensive understanding of network security and the network forensic analysis principles used when faced with a security breach. Topics include: overview of network topologies, protocols, and infrastructure in the context of network security and forensic analysis, techniques for identifying network security breach incidents and potential sources of digital evidence, techniques for network data acquisition and analysis, legal considerations and documentation of forensic processes and analysis, and other emerging topics. Prerequisites: "C" or better in CIS 240, CIS 243, and CIS 260. ***Three credit hours.***

CIS 345.INTRODUCTION TO CRYPTOGRAPHY

Cryptography is an indispensable tool for protecting information in computer systems. This course is designed to introduce students to the inner workings of cryptographic systems and how to correctly use them in real-world applications. Topics include: stream ciphers, pseudo randomness, block ciphers, message integrity, hash

functions, authenticated encryption, public-key encryption, and other emerging topics. Prerequisite: "C" or better in CIS 130 and CIS 243. ***Three credit hours.***

CIS 346. CYBERSECURITY PLANNING AND MANAGEMENT

This course provides a holistic view of procedures and processes for planning and management of cybersecurity operations in an organization. Topics such as laws and ethics pertaining to information systems security, risk assessment and management, identifying needs for security functions, understanding strengths and weaknesses of available security solutions, developing information security policies, developing plans for the protection and access control of intellectual assets, outlining roles of personnel in planning, managing, and maintaining information security, and developing contingency plans for business continuity, disaster recovery, and incident response after a security violation has occurred will be included. Prerequisite: "C" or better in CIS 243. ***Three credit hours.***

CIS 360.DATABASE DESIGN

This course will cover the design and implementation of a database management system for use in the information system environment. Topics will include database organization models (relational and object oriented), the use of design tools, data dictionaries, data warehousing, data mining, as well as user interfaces and reporting. Prerequisites: CIS 120, CIS 230, and either CIS 102 or CIS 202, all with a "C" or better. Prerequisite or co-requisite: MATH 125 or MATH 325. ***Three credit hours.***

CIS 390.SPECIAL TOPICS

Designed to provide in-depth analysis of topics in computer information systems. Prerequisites: CIS 120, CIS 230, and either CIS 102 or CIS 202, all with "C" or better, Instructor permission. ***One to three credit hours***.

CIS 406, 407, 408, 409, 410.CIS RESEARCH

These courses involve research on special topics for juniors and seniors majoring in Computer Information Systems. The courses are limited to a maximum of four credit hours toward major requirements and are offered on demand to qualified students. Students are required to communicate the results of their coursework at an appropriate off-campus venue. These courses are not sequential. Prerequisites: A minimum GPA of 3.0 is required along with the instructor permission. ***Zero to four credit hours.***

CIS 410.RESEARCH IN COMPUTER INFORMATION SYSTEMS

Research on special topics for juniors and seniors in computer information systems. Repeatable for additional credit, but limited to a maximum of four credit hours toward degree requirements. Offered on demand. ***Four credit hours.***

CIS 440.SPECIAL TOPICS IN NETWORKING AND COMMUNICATIONS

Designed to provide an in-depth analysis of topics related to computer networks and communications. Prerequisites: "C" or better in CIS 240 and instructor permission. ***Three credit hours.***

CIS 443.SPECIAL TOPICS IN CYBERSECURITY

Designed to provide an in-depth study of topics related to Cybersecurity. Prerequisites: "C" or better in CIS 240, CIS 243, and CIS 260, or instructor permission. ***One to three credit hours.***

CIS 449.CYBERSECURITY CAPSTONE

In this capstone course, students conduct research, and design and implement comprehensive cybersecurity projects in a group environment. An oral defense before an audience of students and faculty is required, and faculty will review a project portfolio. Prerequisite: Instructor permission. ***Three credit hours.***

CIS 490.INTERNSHIP IN COMPUTER INFORMATION SYSTEMS

This course is designed to give students practical work experience in a field related to their major. The students will work through an approved agency or business under the supervision of professional employees and a faculty advisor. Credit hours awarded will be determined on a case-by-case basis by the Department Chair and the Computer Information Systems faculty. The course is repeatable for additional credit, but is limited to a maximum of twelve credit hours toward degree credit. Prerequisites: "C" or better in both CIS 231 and CIS 321. ***One to twelve credit hours.***

CIS 498.DESIGN AND IMPLEMENTATION IN EMERGING ENVIRONMENTS

This course will broaden students' knowledge of analysis and logical design by implementing information systems of varying complexity in emerging systems environments. Students will work in teams or individually on several projects. Topics may include but are not limited to: selection of development environments and standards;

structured, event driven, object-oriented, and distributed computing design paradigms; testing; software quality assurance; implementation; user training; system delivery; post-implementation review; maintenance. Prerequisites: CIS 231 with "C" or better, CIS 250, CIS 321, and CIS 360. ***Three credit hours***.

CIS 499.PROJECT IMPLEMENTATION AND MANAGEMENT

Students operating as a high-performance team will engage in and complete the design and implementation of a significant information system. Project management, requirement analysis, design and implementation, systems integration, deployment and user training will be components of the project experience. Prerequisites: "C" or better in both CIS 231 and CIS 321 and completion of all but two other CIS courses and emphasis requirements, all but one with "C" or better. ***Three credit hours.***

COOPERATIVE EDUCATION

COOP 281, 282.COOPERATIVE EDUCATION

A planned and evaluated work experience related to the student's college major; the student will receive financial remuneration. Academic elective credit is available. A maximum of six co-op hours may be applied toward degree requirements. Prerequisites: Sophomore standing and cumulative GPA of 2.25 or better.

COOP 281.COOPERATIVE EDUCATION

One credit hour.

COOP 282.COOPERATIVE EDUCATION

Two credit hours.

COOP 283.COOPERATIVE EDUCATION

A full-time alternating Co-op program with a maximum of three terms. Students are considered full-time for purposes of financial aid deferment, insurance, and registration. However, the student does not earn any academic credit. Prerequisites: Sophomore standing and cumulative GPA of 2.25 or better. ***No credit, pass/fail.***

CRIMINOLOGY

CRIM 101.INTRODUCTION TO CRIMINOLOGY AND CRIMINAL JUSTICE

This course is an introduction to the discipline of criminology and criminal justice, its concepts, institutions, processes, and theories, as well as an exploration of the relationships between communities and criminal justice agencies. (General Education – Behavioral Science and Social Perspectives) ***Three credit hours.***

CRIM 210.CORRECTIONS, PROBATION, AND PAROLE

This course explores the broad spectrum of the systems, processes, and people that constitute the field of corrections and examines the history of the emergence and development of prisons and jails, probation, parole, and community-based corrections. Prerequisites: CRIM 101 or CJ 101, POLS 101, and SOCI 101. ***Three credit hours.***

CRIM 214.AMERICAN CRIMINAL JUSTICE SYSTEM

This course examines law enforcement systems and the practice of courts, police discretion, and the methods of dealing with suspects. Emphasis on criminal justice processes and the implication of criminal law in American society. Prerequisites: CRIM 101 or CJ 101, POLS 101, and SOCI 101. ***Three credit hours.***

CRIM 221.UNDERGRADUATE RESEARCH IN CRIMINOLOGY

In this course students engage in a faculty-directed research project or assist with faculty research. This course may be repeated for additional credit as the topic of the research changes. Prerequisite: Instructor permission. Graded pass/fail. ***One credit hour.***

CRIM 235.HUMAN TRAFFICKING

This course explores the global phenomenon of human trafficking. The history of human exploitation and the social factors which contribute to this phenomenon are presented. The major forms of human trafficking are defined and discussed along with legislative efforts to address the issue. Prerequisites: CRIM 101, SOCI 101, POLS 101, and either PSYC 101 or PSYC 102. ***Three credit hours.***

CRIM 298.INTRODUCTION TO RESEARCH METHODS

This course introduces research in criminology and criminal justice, rules and limitations of scientific methodology, formulation of research questions, and research design. Prerequisites: POLS 101, SOCI 101, and either CRIM 101 or CJ 101, or approval of the department chair. ***Three credit hours.***

CRIM 250.COMMUNITY RELATIONS AND POLICING

This course exposes students to the historical and current perspectives of the role of police in American society. Critical and controversial issues in modern policing will be explored. Prerequisites: CRIM 101 or CJ 101, POLS 101, and SOCI 101. ***Three credit hours.***

CRIM 271.TOPICS IN CRIMINOLOGY AND CRIMINAL JUSTICE

This course provides exploration of topics and issues not currently included in the criminology curriculum. This course is designed as an experimental course covering in-depth studies of interest. It may be taken for additional credit as the topic changes. Prerequisites: CRIM 101 or CJ 101, and POLS 101, and SOCI 101, or departmental approval. ***One to three credit hours.***

CRIM 307.JUVENILES AND CRIMINAL LAW

This course addresses the laws, court system, and correctional institutions that deal with the special characteristics of the juvenile population. Prerequisites: CRIM 101, SOCI 101, POLS 101, and either PSYC 101 or PSYC 102, and 6 additional hours of CRIM courses. ***Three credit hours*.**

CRIM 328.VICTIMOLOGY

This course examines of criminal victimization in conjunction theory and research. It also covers the patterns related to specific types of victimization. Prerequisites: POLS 101, SOCI 101, and either CRIM 101 or CJ 101, and 6 additional hours of CRIM courses, or approval of the department chair. ***Three credit hours*.**

CRIM 345.CRIMINAL JUSTICE AND MENTAL HEALTH

This course examines the intersection of mental health and the criminal justice system. Particular emphasis is placed on the deinstitutionalization movement that has shifted the mentally ill away from hospitals and into correctional facilities. Prerequisites: POLS 101, SOCI 101, and either CRIM 101 or CJ 101, and 6 additional hours of CRIM courses, or approval of the department chair. ***Three credit hours.***

CRIM 350.ETHICS IN CRIMINOLOGY AND CRIMINAL JUSTICE

This course addresses current and future ethical and moral issues facing criminology and criminal justice. It includes exploration of how these issues are influenced by political and social policies as well as personal values. Prerequisites: CRIM 101 or CJ 101 and 3 additional hours of CRIM or CJ coursework**.** ***Three credit hours*.**

CRIM 366.RACE AND ETHNICITY IN CRIMINAL JUSTICE

This course examines the history of Jim Crow laws in shaping the criminal justice system as well as current laws that impact civil rights and civil liberties. This course examines these issues at both the U.S. federal and state levels. Prerequisites: POLS 101, SOCI 101, and either CRIM 101 or CJ 101, and 6 additional hours of CRIM courses. ***Three credit hours.***

CRIM 371.SPECIAL TOPICS IN CRIMINOLOGY AND CRIMINAL JUSTICE

This course is an exploration of topics and issues not currently included in the criminology curriculum. This course explores emergent areas within criminology as informed by theory. It may be taken for additional credit as the topic changes. Prerequisites: CRIM 101 or CJ 101, and POLS 101, and SOCI 101, or departmental approval. ***One to three credit hours.***

CRIM 386.VULNERABLE POPULATIONS IN CRIMINAL JUSTICE

This course examines vulnerable populations in the United States criminal justice system. The specific needs of each population are addressed in addition to the legal and ethical issues related to their treatment within the criminal justice system. Prerequisites: POLS 101, SOCI 101, and either CRIM 101 or CJ 101, and 6 additional hours of CRIM courses, or approval of the department chair. ***Three credit hours.***

CRIM 390.CURRENT POLICY ISSUES IN CRIMINOLOGY

This course examines policy issues in contemporary criminology. Instructors may focus on one or more topics such as: addictions, alcohol and drugs, cybersecurity, domestic violence, gambling, human trafficking, victims and victimization, alternatives to incarceration, policing practices and procedures, and court rulings. May be taken for additional credit as the topic changes. Prerequisites: CRIM 101 or CJ 101 and 3 additional hours of CRIM or CJ coursework**.** ***Three credit hours*.**

CRIM 399.CRIMINOLOGICAL THEORY

This course explores classical through contemporary criminological theory. Areas of exploration include, but are not limited to rational choice, biosocial, cultural, control, critical, interactionist, green, and cyber theories. Prerequisites: CRIM 101, SOCI 101, and 6 additional credit hours of CRIM courses. ***Three credit hours.***

CRIM 407, 408, 409.RESEARCH IN CRIMINOLOGY

These courses involve students engaging in a student-directed research project on a topic of criminological interest and are offered on demand to qualified students. Students may count a maximum of three credit hours of Research in Criminology (CRIM 407, CRIM 408, or CRIM 409) toward major requirements. Prerequisite: Instructor permission. ***One to three credit hours.***

CRIM 490.CRIMINAL JUSTICE AND CRIMINOLOGY INTERNSHIP

This course is an advanced workshop for future professionals in the field of criminal justice and criminology. The main objective will be the application of selected concepts. This course is intended as a professionalization experience for students in the Criminology program. This course may be repeated for additional credit hours with approval of the department chair. Prerequisites: "C" or better in SOCI 398 and a Lander GPA of at least 2.0. Graded pass/fail. ***Three to nine credit hours.***

CRIM 499.CAPSTONE EXPERIENCE

This course provides an opportunity for students to synthesize the knowledge they have learned as a criminology major, examine the role of criminology and criminologists in society today, and learn strategies for putting a criminology degree to work in a post-collegiate context. Prerequisite: Successful completion of 12 hours of CRIM courses and a "C" or better in SOCI 398. ***Three credit hours.***

DATA SCIENCE

DSCI 130.INTRODUCTION TO DATA SCIENCE

This course introduces data science history, fundamental data concepts, principles, problem definitions, algorithms, processes for extracting patterns, and legal and privacy issues. Data mining and machine learning concepts and software are also introduced. ***Three credit hours.***

DSCI 230.INTRODUTION TO DATA SCIENCE PROGRAMMING

This course introduces fundamental programming techniques for data science such as loading, cleaning, transforming, merging, and reshaping data. Data types, building a data pipeline for simple predictions, and the analysis and manipulation of time series data are also discussed. Prerequisites: DSCI 130. ***Four credit hours.***

DSCI 231.DATA VISUALIZATION

This course introduces methods and software tools for the visual representation of data. It introduces visual techniques for summarizing data and for exploratory data analysis. Students will complete a data visualization project and presentation. Prerequisites: DSCI 230 and MATH 211. ***Three credit hours.***

DSCI 330.BIG DATA ANALYSIS

This course covers advanced tools for big data analysis including unstructured databases and data management platforms. It provides an overview of the architectural components and programming models used for scalable big data analysis. Students will identify and examine real world big data problems and recast these in ways that can be addressed with data science methods. Prerequisites: DSCI 230 and CIS 360. ***Three credit hours.***

DSCI 340.APPLIED MACHINE LEARNING

This course focuses on the application of machine learning algorithms applied to very large structured datasets. Topics include data preparation, pipeline construction, machine learning models and their hyperparameters, overfitting and underfitting, regularization, performance measurement, and application development in the cloud. Prerequisites: DSCI 230 and MATH 213. ***Three credit hours.***

DSCI 440.APPLIED DEEP LEARNING

This course is an applied study of algorithms and models to perform deep learning on very large unstructured datasets, such as images, and texts. Topics include artificial neural networks, deep neural networks, deep learning models and training algorithms, optimizers, preparation of training data, measuring performance, and developing applications over the cloud. Prerequisites: DSCI 230 and MATH 214. ***Three credit hours.***

DSCI 499.DATA SCIENCE CAPSTONE

In this capstone course, students will complete a real-world data science project requiring the application of advanced techniques. Projects will encompass the data science curriculum and will include data acquisition, cleansing, manipulation and visualization. Data will be used to develop models to make predictions or discover pattern in order to answer questions or make decisions in real-world settings. Prerequisite: Permission of Instructor. ***Three credit hours.***

DESIGN

DES 201.TYPOGRAPHY I

This course introduces students to the essential qualities of typography in the context of design practice where typography is explored as both an art form and visual communication tool. Students complete a variety of projects that use type as an element of graphic design composition. They gain an understanding for recognition and classification and explore alignment, hierarchy, and legibility. This course introduces students to universal and essential qualities of typography in the context of design practice, serving as a foundation for upper-level design classes. Cross-listed with ART 260. Prerequisites: ART 103, ART 104, ART 105, and ART 106 or permission of the instructor. Two three-hour labs or three two-hour labs. ***Three credit hours.***

DES 203.GRAPHIC AND INTERACTIVE DESIGN I

This course is an introduction to computer imaging for graphic design applications and emphasizes studio lab experiences using graphic design industry standard software, including Adobe Photoshop, Illustrator, and InDesign. Prerequisites: ART 103, ART 104, ART 105, ART 106. ***Three credit hours.***

DES 221.TYPOGRAPHY II

This course explores how to design and communicate complex information that is primarily of typographic nature. The course readings, lectures, exercises, presentations, and projects provide a framework to expand thinking and practice related to diverse forms of typographic expression. Prerequisites: DES 201 and DES 203. Two three-hour studio labs. ***Three credit hours*.**

DES 223.GRAPHIC AND INTERACTIVE DESIGN II

This course builds on the content of DES 203 with intermediate proficiency development of industry-standard software for graphic design and interactive design. Studio lab experiences require design software including Adobe Photoshop, Illustrator, and InDesign. Prerequisites: DES 201 and DES 203. Two three-hour studio labs. ***Three credit hours*.**

DES 304.LOGO AND BRANDING DESIGN

This course investigates branding and logo design and in particular how these may be utilized to effectively communicate a company's purpose statement and identity. Color theory and visual communication skills will be developed through this course. Prerequisite: DES 201 and DES 203. Two three-hour studio labs. ***Three credit hours.***

DES 305. WEB DESIGN I

This course introduces web design, web terminology, including HTML language, and the artistic and practical aspects of creating effective web pages. Time spent in the design laboratory is devoted to learning about the foundations of website creation, developing a historical understanding of the evolution of the web, and conducting research on industry-standard design guidelines and trends. The course focuses on the planning, designing, and development of a unique portfolio website using the latest software. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. ***Three credit hours*.**

DES 306.MOTION GRAPHICS

This course offers instruction in establishing motion graphics fundamentals including visual rhythm, kinetic typography, multi-planar effects, and other intermediate industry techniques. It teaches several different approaches to animation with the goal of refined movement to tell stories and deliver messages while maintaining a highly designed approach. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. ***Three credit hours.***

DES 307.EXPERIENCE DESIGN

This course explores designing products, processes, services, events, and environments with a focus placed on the quality of the user experience and culturally relevant solutions. Class content includes the designer's social responsibility, designing for public spaces, and recognizing and exploring commercial applications for experience design. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. ***Three credit hours.***

DES 308.SUSTAINABLE DESIGN

This course introduces the tools, resources, and best practices of sustainable design. Additionally, the course covers the philosophy of designing physical objects, the built environment, and services to comply with the

principles of social, economic, and ecological sustainability. The technical and social innovations that are making real change possible across a variety of disciplines are explored. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. ***Three credit hours.***

DES 309.DIGITAL ILLUSTRATION

This course introduces digital illustration using computer tools and includes the study of illustration as visual interpretation of words, concepts, and ideas. Basic software skills and drawing abilities in a digital environment are developed. Strategies for communicating content through pictorial narrative are also explored. Prerequisites: DES 221 and DES 223. Two three-hour stydio labs. ***Three credit hours.***

DES 310.SOCIAL MEDIA AND NETWORKING

This course explores the possibilities and limitations of social media, and offers hands-on experience with several forms of social media technology. Course emphasis include how to use social media productively, as well as how to develop a framework for understanding and evaluating new tools and platforms. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. ***Three credit hours.***

DES 311.PACKAGE DESIGN

This course applies elements of graphic design to various forms of packaging. Packages are analyzed and positioned from a marketing point of view. Brand marks, visual graphics, and color schemes are developed for individual products and extended product lines. This course is geared towards those interested in product packaging and graphic design as well as those seeking to create portfolio-quality design work. Prerequisites: DES 221 and DES 223. Two three-hour studio labs. ***Three credit hours.***

DES 330.HISTORY OF GRAPHIC DESIGN

This course examines the history of graphic design and visual communications from ancient times to the present, with an emphasis on graphic design ideas/thinking, theories, aesthetics, and movements. Students examine the history of the visual form and message as well as the impact of graphic design on the cultural, social, political, and economic life, both past and present. ***Three credit hours.***

DES 350.SPECIAL TOPICS

Formal courses offered infrequently to explore in depth a comparatively narrow subject which may be topical or of special interest. This course may be repeated for additional credit as the topic changes. Prerequisites: DES 201, DES 203, DES 221, and DES 223. Two three-hour studio labs. ***Three credit hours.***

DES 401.TYPOGRAPHY III

This course explores the theory and practice of letter forms and typography as they apply to graphics, advertising, and other areas of design and visual communication. Projects address principles of typography, letter structure, typeface selection, fundamentals of computer typesetting, and typographic layout. Prerequisite: DES 221. ***Three credit hours.***

DES 402.PUBLICATION DESIGN

This course is a practical application of design fundamentals for single and multipage publications. Industry standard page assembly is used to create layouts for publications of all kinds. In addition to the functions of the software, topics include typography, graphics, color, aesthetic page flow, and transition design. Prerequisites: ART 203, DES 304, and DES 309. Two three-hour studio labs. ***Three credit hours.***

DES 404.LOGO AND BRANDING DESIGN II

This course builds upon branding and logo design from DES 304. Students will learn how to effectively design a brand for a company that communicates that company's purpose statement and identity. Color theory and visual communication skills will be developed through this course. Prerequisite: DES 304. ***Three credit hours.***

DES 405.WEB DESIGN II

This is an advanced course in web design and web-based animation with studio lab experiences using industry-standard graphic design software, including Adobe Photoshop, Illustrator, InDesign, Muse, and Animate. In addition, this course provides the practical knowledge to effectively plan, create, and deliver web interfaces for computers and mobile devices. The course includes an examination of the concepts and methodologies used in emerging mobile technologies, with an emphasis on responsive portfolio sites. Laptop with Adobe Creative Suite software is required for this course. Prerequisite: DES 305. ***Three credit hours.***

DES 406.MOTION GRAPHICS II

This advanced course for motion graphics includes the categories of commercial, broadcast, title sequence, and music video. It includes lectures, demonstrations of techniques, and applications of motion graphics, with an emphasis on 3D digital media. Projects will cover design, composition, narrative, sequencing, and sound development and manipulation. Current industry standard computer applications will be introduced and applied. Prerequisite: DES 306. ***Three credit hours.***

DES 407.EXPERIENCE DESIGN II

This advanced course teaches students how to design and evaluate digital interfaces (e.g., websites, software products, and mobile/tablet applications) from a user-centered perspective, with an emphasis on understanding users and their contexts and applying that knowledge to make digital tools more user-friendly and engaging. Prerequisite: DES 307. ***Three credit hours.***

DES 408.SUSTAINABLE DESIGN II

A continuation of DES 308, this course will explore the tools, resources, and best practices of sustainable design. Additionally, this course covers the philosophy of designing physical objects, the built environment, and services to comply with the principles of social, economic, and ecological sustainability. The technical and social innovations that are making real change possible across a variety of disciplines will be explored. Prerequisite: DES 308. ***Three credit hours.***

DES 409.DIGITAL ILLUSTRATION II

This course focuses on a challenging and expressive area of graphic design. Various styles of storyboarding will be explored. The art of narration will be explored in comics, graphic novels, and various storyboards both traditional and digital (still and animated). In this advanced digital illustration course, students will learn professional illustration conception, production, and finish. Students will execute illustration projects using professional procedures and equipment. Emphasis is on student creative and technical development. Prerequisite: DES 309. ***Three credit hours.***

DES 410.SOCIAL MEDIA AND NETWORKING II

This course will provide students with an advanced understanding of social media, marketing plans, and social media analytics. Students will build company and/or journalistic profiles on the top social networks to engage with audiences and communities and utilize analytical tools to track success. Prerequisite: DES 310. ***Three credit hours.***

DES 411.PACKAGE DESIGN II

This is an advanced studio design course in the development of packaging for the marketplace. Students will be exposed to how package designers visually communicate using 3-dimensional form. Emphasis is placed on developing effective design solutions in relationship to marketing concepts and objectives for various products. Prerequisite: DES 311. ***Three credit hours.***

DES 420.SENIOR PORTFOLIO

This course prepares students to gain employment in the field by creating and producing a professional design portfolio, resume, social media presence, and self-promotional materials. ***Three credit hours.***

DES 450.DESIGN DEN

This course is centered around student-run and faculty-managed strategic communications. Students gain hands-on, real-world experience in a professional agency environment. The experiential learning opportunity helps students develop and sharpen their skills through real client work, workshops, team-building exercises, and networking engagements with professionals and thought leaders in the communications industry. Prerequisite: Instructor permission. ***Three credit hours.***

DES 490.INTERNSHIP

This course gives a student the opportunity for college credit in a professional design studio, lab, or other facility. A limited number of Internships are available through the department each semester, or the student may propose an internship. Prerequisites: Graphic Design majors with advanced standing and consent of department. Forty-five hours of work required per semester hour of credit. May be repeated for a total of six credit hours. ***One to six credit hours.***

DES 499.SENIOR DESIGN STUDIO

In this course, graduating students will prepare their final design portfolio and exhibition. ***One credit hour.***

EARLY CHILDHOOD EDUCATION

See pages 353-355.

ECONOMICS

ECON 101.ECONOMICS IN SOCIETY

Provide students with both microeconomic and macroeconomic analytical perspective to think critically about the market system and social objectives it may serve. Topics include the basics of the market economy, market structure, unemployment, inflation, trade, and monetary policy. (General Education – Behavioral and Social Perspectives) ***Three credit hours.***

ECON 311.MONEY AND BANKING

This course surveys the role financial markets, institutions, and central banks have in facilitating the flow of funds to investments in today's economy. Topics include the nature of money, the behavior of interest rates, different types of markets and institutions, monetary policy, and derivative markets. Several major bank failures, debt crises, and global financial crises are studied to gain insight into the importance of these entities. Prerequisites: "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201 or ECON 202. ***Three credit hours.***

ECON 352.TOPICS OF ECONOMICS

This course allows for the study of various economics topics that are not a part of the regular course offerings. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. To repeat the course to improve a grade, the topic, the course number, and the credit hours must be the same. Prerequisite: Instructor permission. For business majors additional prerequisites include completion of 42 credit hours, completion of ACCT 201, MATH 211 or BA 225, ECON 101 or ECON 201 or ECON 202, and ENGL 275 with a "C" or better**.** ***One to six credit hours.***

EDUCATION

EDUC 101.CAREERS IN TEACHING

Students will be exposed to the many facets of education through class discussions, simulations of classroom situations, observation and participation in public school classrooms and interactions with successful administrators and teachers in the field of education. Students will be introduced to the concepts and skills utilized by effective classroom teachers, and they will be provided with information regarding career opportunities in education. ***Three credit hours.***

EDUC 106.FIELD EXPERIENCE IA

The prospective teacher supports instruction in a tutoring or small group setting. Students are responsible for transportation to off-site placements. Prerequisites: 12 credit hours and concurrent enrollment in EDUC 210. ***One-half credit hour.***

EDUC 202.EDUCATION IN AMERICA

Introduction to the historical, social, and philosophical foundations in education. Students have an opportunity to explore the demands and expectations in various teaching fields. Co-requisite: Enrollment in EDUC 203. ***Three credit hours.***

EDUC 203.FIELD EXPERIENCE I

This course will acquaint the prospective teacher with school curriculum, environment, and teacher duties as well as characteristics of children. The prospective teacher experiences supporting instruction, including materials development, tutoring, and small group work. Prerequisites: 30 credit hours. ***One-half credit hour.***

EDUC 204.INSTRUCTIONAL TECHNOLOGY FOR TEACHERS

This course is designed to enable students to use instructional technology to support teaching and learning. Technology literacy concepts are addressed and instructional uses of technology are explored. The course emphasizes instructional computing applications for classroom use. ***Three credit hours.***

EDUC 205.TEACHER EDUCATION AND PRAXIS PREPARATION

This course provides an overview of teacher education programs, certification requirements by content areas/grade levels, and preparation for PRAXIS examinations. ***One credit hour.***

EDUC 206.FIELD EXPERIENCE IC

The prospective teacher observes different pedagogical instructional strategies related to Science, Technology, Engineering, the Arts, and Mathematics (STEAM) and English for Speakers of Other Languages (ESOL) philosophies of education. Students are responsible for transportation to off-site placements. Prerequisites: 30 credit hours, concurrent enrollment in EDUC 223, and Provisional status. ***One-half credit hour.***

EDUC 207.FIELD EXPERIENCE 1D

The prospective teacher observes different pedagogical instructional strategies related to Montessori and exceptional learner philosophies of education. Students are responsible for transportation to off-site placements. Prerequisites: 30 credit hours and Provisional status**.** ***One credit hour*.**

EDUC 210.COMMUNICATION IN DIVERSE CLASSROOMS

This course provides opportunities for students to develop effective oral, written, and listening communication skills in preparation for working in democratic, multiculturally-rich learning environments. Content will address the principles of linguistics, dialects, and diverse communication styles, including communication with families. Prerequisite: ENGL 101. ***Three credit hours*.**

EDUC 223.GENERAL PEDAGOGY

Provides an overview of appropriate, research-based techniques and instructional methodologies that provide effective instruction in primary, elementary, middle, and secondary classrooms. Academic standards, positive learning environments, instructional planning and assessment including multi-media formats and technology that apply to a variety of classroom settings are covered. Co-requisite: Enrollment in EDUC 206 for Elementary, Early Childhood, and Special Education majors. ***Three credit hours.***

EDUC 240.CHILD GROWTH AND THE EDUCATIONAL PROCESS

This course provides an introduction to the general principles of childhood and adolescent human growth and development and their relationship to the educational process. An emphasis will be placed on the interactions of physical, social, intellectual, and emotional development with educational variables and the learning process. ***Three credit hours.***

EDUC 250.ADOLESCENT DEVELOPMENT AND LEARNING COMMUNITIES

This course applies the psychology of learning and motivation to patterns of social, emotional, physical, and intellectual development of adolescents and explores this development as a key factor in the teaching of adolescent learners. ***Three credit hours.***

EDUC 290.EXPERIENTIAL LEARNING IN COMMUNITY AND SCHOOL SETTINGS

This course offers students an opportunity to design a service project to assist in the development or support of children or adults in a community or school setting. This experiential learning course will require the submission of a prospectus and at least 30 hours of service at a site to be approved by instructor. Successful completion of this course or an equivalent EYE experience, and EDUC 461 will meet requirements for the Lander's Experience Your Education (EYE) recognition upon graduation. Prerequisite: EDUC 202 and EDUC 203. Graded Pass/Fail. ***One credit hour.***

Except for EDUC 309 and EDUC 371, the following 300- and 400-level professional education courses are available only to students who have been formally admitted to a Teacher Education Program. Some courses have additional prerequisites.

EDUC 300.CONTENT AREA READING AND WRITING

This course will address instructional approaches to create a literate environment that fosters reading and writing by integrating foundational knowledge, instructional practices, approaches and methods, curriculum materials, and the appropriate use of assessments for native English speakers and dual language learners. This course meets the SC Read to Succeed requirements. ***Three credit hours.***

EDUC 302.EDUCATIONAL ASSESSMENT

An exploration of educational assessment procedures from initial screening by the classroom teacher to the interpretation of professional evaluations and prescriptive teaching/learning strategies. Prerequisite: Formal Admission to Teacher Education Program or instructor permission. ***Three credit hours.***

EDUC 304.INSTRUCTIONAL TECHNOLOGY FOR TEACHERS

This course is designed to enable students to use instructional technology to support teaching and learning. Technology literacy concepts are addressed and instructional uses of technology are explored. This course

emphasizes instructional computing applications for classroom use. Prerequisite: Formal admission to Teacher Education Program or instructor permission. ***Three credit hours.***

EDUC 306.STEAM INSTRUCTIONAL DESIGN

This course provides an introduction to the foundations of the STEAM (Science, Technology, Engineering, the Arts, and Mathematics) disciplines and the strategies used to design engaging STEAM instruction in the P-12 classroom setting. ***Three credit hours.***

EDUC 307. STEAM IMPLEMENTATION

Students will explore and apply foundational pedagogical strategies for implementing STEAM (Science, Technology, Engineering, the Arts, and Mathematics) instruction in the P-12 classroom. Co-requisite: enrollment in a 300-or above clinical experience. 30 hours of STEAM practicum hours are required. ***Three credit hours.***

EDUC 308.STEAM INSTRUCTIONAL METHODS

Students will explore instructional methods for delivering STEAM (Science, Technology, Engineering, the Arts, and Mathematics) lessons in the P-12 classroom. Particular emphasis will be placed on how to integrate pedagogical strategies to address curricular needs, real world problem solving, and student engagement. Prerequisites: Formal professional program level status. ***Three credit hours.***

EDUC 309.WORLD CULTURES IN EDUCATION

This course explores the way cultural expectations shape systems and practices of education. Particular emphasis is placed on comparing pedagogical practices across a few countries and cultures. It will also explore how these societies use educational systems to address modern issues such as globalization, technology, socioeconomic diversity, and poverty. (General Education – World Cultures) ***Three credit hours.***

EDUC 310.PRINCIPLES AND STRATEGIES FOR TEACHING ESOL TO ELEMENTARY AND SECONDARY LEARNERS

This course provides an overview of theories, research, and practices associated with teaching English language learners in elementary and secondary classroom settings. Prerequisites: Formal level status. ***Three credit hours.***

EDUC 311.PRACTICUM IN THE INSTRUCTION OF ESOL TO ELEMENTARY AND SECONDARY LEARNERS

This is a practicum in the Instruction of ESOL to Elementary and Secondary Learners. This field-based experience is designed to immerse teacher candidates in a classroom or tutoring setting devoted to instructing English for Speakers of Other Languages (ESOL). Teacher candidates will design and implement learning activities that address the unique needs of English Language Learners. Prerequisites: Formal level status. ***One to three credit hours.***

EDUC 312.STEAM ASSESSMENT

Students will explore diverse strategies to assess P-12 student learning as they engage in STEAM (Science, Technology, Engineering, the Arts, and Mathematics) explorations. Students will explore technology-rich formative and summative assessments that provide both the learner and the teacher feedback on instructional effectiveness during STEAM explorations. Prerequisites: Formal professional program level status. ***Three credit hours.***

EDUC 320.READING AND WRITING IN THE CONTENT AREA

This course is a study of methods, materials and competencies useful for integrating reading and writing instruction into subject matter instruction to meet the unique needs of middle/high school level learners across content areas. The course includes current research conducted in middle and high schools. This course meets the SC Read to Succeed requirements. ***Three credit hours.***

EDUC 321.FOUNDATIONS OF READING

This course focuses on the development of basic reading and writing processes. Content includes phonological awareness, phonics, fluency, vocabulary, comprehension, and oral language. Emphasis is placed on the methods and techniques of teaching reading and writing to individuals and groups in classroom settings. This course meets the SC Read to Succeed requirements. ***Three credit hours.***

EDUC 322.TEACHING SCIENCE IN THE ELEMENTARY GRADES

This course will provide students with theory, research, and methodology related to appropriate and effective science instruction. Emphasis will be on modeling and practicing strategies to support meaningful integration of science, technology, engineering, and mathematics (STEM) in the context of real world problem solving.

Prerequisites: Two science courses and formal level of admittance to Teacher Education Program. ***Three credit hours.***

EDUC 327.MATHEMATICS PEDAGOGY

This course explores problem-based teaching methods associated with the elementary curriculum strands for mathematics (number and operations, algebra, geometry, measurement, data analysis, and probability). Special emphasis is placed on instructional implementation of the NCTM Process Standards (problem solving, reasoning and proof, communication, connections, and representations). Prerequisite: Formal level status. ***Three credit hours.***

EDUC 329.FIELD EXPERIENCE II

This field-based experience is designed to immerse teacher candidates into the classroom environment. Teacher candidates will design and implement lessons that include strategies for meeting the needs of all learners and employing instructional technology. Teacher candidates will make formal observations of the learning community and environment, will participate in seminars, and may visit community agencies. Students are responsible for transportation to off-site placements. Prerequisites: Formal level status and successful completion of EDUC 206 and EDUC 207 with grades of "B" or higher (Elementary Education Majors). ***One-half to three credit hours***

EDUC 345.INSTRUCTIONAL PRACTICES FOR TEACHING READING

This course focuses on the study of instructional approaches, structures, and materials needed to create a comprehensive, integrated, and balanced curriculum using assessments to support all students' learning in reading and writing. This course meets the SC Read to Succeed requirements. ***Three credit hours.***

EDUC 351.GENERAL PEDAGOGY FOR MIDDLE AND HIGH SCHOOL

An in-depth analysis of appropriate, research-based techniques and methodologies that provide effective classroom instruction in middle and secondary school. Standards, models of instructional planning, lesson implementation, ADEPT, and assessment, including multi-media formats and technology that apply to classroom setting, are covered. Prerequisite: Formal admission to Teacher Education Program. Co-requisite: EDUC 329. ***Three credit hours.***

EDUC 371.SPECIAL TOPICS IN TEACHER EDUCATION

Special course designed to meet the individual student's needs or to provide in-depth study on a particular topic related to educational research or practices. Formal admission to Teacher Education not required. ***One to three credit hours.***

EDUC 421.ASSESSMENT OF READING

This course will equip students with a variety of tools for planning and evaluating reading practices for effectiveness. Candidates will be able to articulate the various assessments, their uses and their limitations. In addition, candidates will learn to articulate assessment information to a variety of stakeholders. This course meets the SC Read to Succeed requirements. ***Three credit hours.***

EDUC 424.SOCIAL STUDIES PEDAGOGY

This class prepares candidates to use knowledge, skills, and dispositions from Social Studies to organize and provide integrated instruction for the study of major themes, concepts, and modes of inquiry reflected in the NCSS Thematic Strands. An emphasis is also placed on how to prepare elementary students to become productive citizens in a multicultural, democratic society. Prerequisite: Formal level status. ***Three credit hours.***

EDUC 428.CLINICAL PRACTICE A SEMINAR

Teacher candidates will investigate contextual learning factors and individual learner characteristics. The primary focus of the course is on developing, teaching, and assessing core content lessons that are inquiry-based, developmentally appropriate, integrated across the curriculum, and aligned with state and national curriculum standards. The unique learning needs of specific sub-groups of students and social and emotional health is also emphasized. ***One to eleven hours.***

EDUC 429.CLINICAL PRACTICE A

This clinical is designed to immerse teacher candidates in preparing the classroom environment for the first day of school and implementing purposeful instruction for the first half of the school year. Candidates will design and implement content-based lessons and analyze topics and matters of concern within the profession of teaching. Students are responsible for transportation to off-site placements. NOTE: This course begins for elementary

education majors when public school teachers report for the academic year. Prerequisite: Candidate level status and successful completion of EDUC 329 with a grade of "B" or better. ***One to four credit hours.***

EDUC 430.THE LEARNING ENVIRONMENT

This course will consider the classroom environment in terms of teacher management of time, participants, and resources to include media and technology. Research based information on classroom organization and student motivation applied to the development of the concept of the integrated nature of classroom learning. Prerequisites: Concurrent enrollment in EDUC 429, Formal admission to Teacher Education Program. ***Three credit hours.***

EDUC 443.MIDDLE SCHOOL ORGANIZATION AND CURRICULUM

This course explores organizational policies and instructional curriculum within middle school classrooms as well as the underlying theories, research, and implementation of effective middle school instruction. ***Three credit hours.***

EDUC 461.CLINICAL PRACTICE B

This clinical is designed to immerse teacher candidates into the classroom environment. Candidates will design and implement lessons across all disciplines. Students are responsible for transportation to off-site placements. Prerequisite: Candidate level status and successful completion of EDUC 329 with a grade of "B" or better. ***One to eleven credit hours.***

EDUC 462.CLINICAL PRACTICE C

This two-part clinical is designed to immerse teacher candidates to the classroom environment in South Carolina and an area outside of the mainland United States. Part 1 of this clinical requires candidates to design and implement lessons across all disciplines during full-time placement in a South Carolina school. Part 2 of this clinical takes place outside the mainland United States. Candidates will explore developmental and cultural views of childhood, curriculum content, instructional delivery methods, and the role of the school within the community. Candidates will serve as an instructional assistant in a local area classroom during the international enhanced teaching experience. Additional fees may be charged for this clinical and students are responsible for all transportation costs. Prerequisites: Candidate level status and successful completion of EDUC 429 with a grade of "B" or better. ***One to eleven credit hours.***

EDUC 463.CLINICAL PRACTICE D

This clinical is designed to immerse teacher candidates in the classroom environment. Candidates will design and implement lessons across all disciplines. After completing 60 days of full-time teaching, candidates will contribute 75 additional hours within an educational setting approved by their instructor. Educational settings may include, but are not limited to, new or current classroom placement, tutoring, administrative shadowing, substitute teaching, professional development/training, and attending educational conferences. Students are responsible for transportation to off-site placements. Prerequisites: Candidate level status and successful completion of EDUC 429 with a grade of "B" or better. ***One to eleven credit hours.***

EDUC 490.INTERNSHIP

This course is designed to give students practical work experience in a field related to their major. A student will work through an approved agency or business under the supervision of one of its professional employees and a faculty member in the major department. Completion of this course does not qualify students for teacher certification recommendation. Prerequisite: 45 credit hours in the major area and/or permission of the department chair. Dependent upon availability of suitable positions. ***One-half to twelve credit hours.***

EDUC 499.TEACHER EDUCATION SEMINAR

The purpose of this course is to conduct seminars reviewing and reinforcing specific aspects of the teaching/learning process with student teachers. This course will follow a true seminar format. Many topics and matters of concern within the profession of teaching will be studied, analyzed and debated. Prerequisite: Students enrolled in EDUC 461 (Student Teachers only). Formal admission to Teacher Education Program. ***One credit hour.***

EARLY CHILDHOOD EDUCATION

ECED 222.THE YOUNG CHILD GROWTH AND DEVELOPMENT

Physical, psychosocial, moral, cognitive development, prenatal through age 8 within the context of the whole child. Research, diagnosis/assessment, child observations, case studies, play emphasized. ***Three credit hours.***

ECED 223.GENERAL PEDAGOGY FOR EARLY CHILDHOOD

This course provides an overview of research-based techniques and instructional methodologies that provide effective instruction in early childhood classrooms. Topics include selecting appropriate materials and academic standards; creating positive learning environments, instructional plans, and assessments; and exploring multi-media formats and technology that apply to a variety of classroom settings. ***Three credit hours.***

ECED 227.INTRODUCTION TO EARLY CHILDHOOD EDUCATION

A study of the philosophical, psychological, and historical foundations of early childhood education with emphasis on the fundamentals and implications for curriculum construction. Cultural diversity, child poverty, childcare, child advocacy, public policy, legislation and professionalism are also addressed. Prerequisites: ECED 222 or instructor permission. ***Three credit hours.***

The following 300- and 400-level professional education courses are available only to students who have been formally admitted to a Teacher Education Program. Some courses have additional prerequisites.

ECED 307.HEALTH AND MOVEMENT IN EARLY CHILDHOOD

Basic principles and teaching standards for infant and childhood health, nutrition, and movement are explored as well as childhood diseases and appropriate safety practices in settings for young children. A field-based experience is required. Prerequisite: Formal admission to the Teacher Education Program. ***Three credit hours.***

ECED 320.EARLY CHILDHOOD LITERATURE

A study of literature appropriate for young children (birth through 8 years) will be the base for selecting, evaluating, and using books in home and school settings with an emphasis on literacy development and reading instruction. Prerequisite: Formal admission to the Teacher Education Program. ***Three credit hours.***

ECED 322.TEACHING SCIENCE IN THE EARLY CHILDHOOD GRADES

This course will provide students with theory, research and methodology related to appropriate and effective science instruction. Emphasis will be on the development of science knowledge in primary-age children and the application of methods for teaching science that support the meaningful integration of science, technology, engineering, and mathematics (STEM) in the context of real world problem solving. Prerequisites: Two science courses and formal level of admittance to Teacher Education Program. ***Three credit hours.***

ECED 323.MATH PEDAGOGY FOR THE EARLY CHILDHOOD CLASSROOM

Emphasis is on constructivism as the approach to teaching children mathematical concepts. Research based teaching strategies and appropriate use of concrete materials for the young child and the NCTM standards are addressed. Prerequisites: MATH 203 and admission to Teacher Education Program. Co-requisite: ECED 329. ***Three credit hours.***

ECED 329.EARLY CHILDHOOD FIELD EXPERIENCE II

This is a classroom instructional experience with young children in pre-primary or primary settings utilizing research-based learning experiences. Students prepare, teach, and assess individual lessons. Students work with children in various groupings applying developmentally appropriate practices including media and technology. Students are responsible for transportation to off-site placements. Prerequisites: Formal level status and successful completion of EDUC 206 and EDUC 207 with grades of "B" or better. ***Three credit hours.***

ECED 405.CHILDREN AND FAMILIES

Students examine family and community life historically and cross-culturally and its influence on the development of young children. Particular emphasis is placed on the changing American family and the effects on schools. Strategies for effective parenting and educational interventions for working with young children and families from a variety of cultural settings are included. A field-based experience is required. Prerequisite: Formal admission to the Teacher Education Program. ***Three credit hours.***

ECED 415.INTEGRATIVE CREATIVE ARTS FOR EARLY CHILDHOOD

A study of the creative arts (art, music, drama, and movement) for integration into the activities and curriculum for young children (birth through elementary school), this course will help pre-service and practicing teachers integrate standards, develop appropriate approaches to using the arts with young children, and foster appreciation for the role of the arts in settings for young children. A field-based experience is required. Prerequisite: Formal admission to the Teacher Education Program. ***Three credit hours.***

ECED 421.READING AND LANGUAGE ARTS FOR EARLY CHILDHOOD

A study of the teaching of reading and other language arts with an emphasis on language arts curriculum development, instruction, and assessment. This course will provide preservice and practicing teachers with current research and trends in the field of reading and the literacy instruction. Prerequisites: A field-based experience is required and formal level of admittance to Teacher Education Program. ***Three credit hours.***

ECED 427.SOCIAL STUDIES FOR EARLY CHILDHOOD

A study of the various social sciences used with young children, this course emphasizes integrated standards from all disciplines, curriculum development, and developmentally appropriate methods and techniques for teaching children (birth through elementary school). Prerequisite: Formal admission to the Teacher Education Program. Co-requisite: ECED 429. ***Three credit hours.***

ECED 429.CLINICAL PRACTICE A

Classroom instructional experiences with young children in pre-primary or primary settings utilizing research based learning experiences. Students prepare and teach lessons through the integration of curriculum while spending whole days in the classroom. Students work with diverse groups of children applying developmentally appropriate practices including media and technology. NOTE: This course begins when public school teachers report for the academic year. Prerequisite: Candidate level status and successful completion of ECED 329 with a grade of "B" or better. ***One to eleven credit hours.***

MONTESSORI

MONT 371.SPECIAL TOPICS IN MONTESSORI

Special course designed to meet individual student's needs or to provide in-depth study on a particular topic related to Montessori. The role of research in education and applications of technology emphasized. Prerequisites: Instructor permission, formal admission to Teacher Education Program. ***One to three credit hours.***

MONT 429.PRACTICUM I

This class, which meets for two weekend seminars each semester during the practicum phase, assists the novice teacher in the design of the classroom environment, establishing ground rules and effective classroom routines, developing parent communication strategies, instructional planning, observation techniques, assessment and record keeping. The student will receive guidance in creating and implementing an action research project. ***Three credit hours.***

MONT 461.PRACTICUM II

This class is a continuation of Practicum I. It meets for two weekend seminars during the spring semester of the practicum phase. Prerequisite: "B" or better in MONT 429. ***Three credit hours.***

MONT 470.MONTESSORI METHODS: PRACTICAL LIFE

The exercises of Practical Life form the child's foundation. Topics include how to prepare the exercises of Practical Life, grace and courtesy, control of the person, care of the environment, and food and nutrition. Teachers will also learn how to analyze each child's development of independence that occurs from using the exercises. Prerequisite: Instructor permission. ***Three credit hours.***

MONT 471.MONTESSORI METHODS: SENSORIAL

Teachers will learn to use the materials that aid children with the development and refinement of their senses in seven areas: size, color, form, touch, sound, smell and taste. Teachers will also learn to observe each child's development of classification and seriation, and to use the instructional strategy of the 3 Period Lesson. Prerequisite: Instructor permission. ***Three credit hours.***

MONT 472.MONTESSORI PHILOSOPHY, EDUCATIONAL THEORY and ADMINISTRATION / PARENT EDUCATION

Topics include an historical overview of Montessori and the Montessori movement and the philosophy of the absorbent mind, sensitive periods, logical mathematical mind, spiritual and moral development of the child. The course also explores how these topics relate to children, classroom materials, peace education, the role of the teacher, and the prepared environment. Prerequisite: Instructor permission. ***Three credit hours.***

MONT 473.METHODS OF OBSERVATION and CLASSROOM LEADERSHIP

This course introduces teachers to reflective practices of observation and record keeping. Being open to and being willing to be informed by observation are two important aspects of the Montessori method. Teachers will also observe other Montessori classrooms during their practicum. The classroom leadership component of this course

involves student teachers with designing the prepared environment, establishing daily routines, starting a new class, lesson strategies, evaluation, positive discipline, effective communication and problem solving. Prerequisite: Instructor permission. ***Three credit hours.***

MONT 474.FOUNDATIONS OF READING IN THE MONTESSORI CLASSROOM

Teachers will learn how to present the Montessori language exercises to foster children's early literacy development. Topics of this course include early oral language acquisition, age-appropriate visual and auditory perceptual experiences that lead to phonemic awareness and letter-sound recognition, vocabulary development and enrichment, phonics, word study, beginning handwriting, expressive writing, and the first part of the functions of words. This course meets the SC Read to Succeed requirements. ***Three credit hours.***

MONT 475.MONTESSORI METHODS: MATHEMATICS

This course begins with the philosophy of the "mathematical mind". Additional topics include numeration to 9,999 place value, linear counting, the four operations, memorization of math facts, and an introduction to fractions. Teachers will learn how to present the Mathematics materials and to observe each child's progress toward abstracting mathematical concepts. Prerequisite: Instructor permission. ***Three credit hours.***

MONT 493.MONTESSORI METHODS: INTEGRATED CURRICULUM

The objectives of this course are to acquaint the Montessori teacher candidate with the sequence and materials for teaching social studies, science, and creative arts in the context of Montessori's "Cosmic Curriculum", a holistic approach to natural science, multicultural studies and artistic expression. Topics include the materials for geography and history, international festivals and celebrations, designing and preparing activities to acquaint children with the natural world and integration of the creative arts to enhance the classroom curriculum. Prerequisites: MONT 472 and instructor permission. ***Three credit hours.***

SPECIAL EDUCATION

SPED 150.BASICS OF THERAPEUTIC HORSEMANSHIP

Students will be introduced to the challenges, routines, skills, and dispositions associated with therapeutic equine care and management. Students will learn riding basics and basic aids in communicating with a mounted, therapeutic horse. ***Three credit hours.***

SPED 223.PREK-12 STUDENTS WITH DIVERSE LEARNING NEEDS

An introduction to the unique characteristics of students with diverse learning needs including those with high incidence exceptionalities from early childhood through adolescence. Issues associated with those from culturally and linguistically diverse backgrounds are explored. Special emphasis is placed on identification, interventions, and teaching strategies for PreK-12 classrooms. ***Three credit hours.***

SPED 240.CHARACTERISTICS OF DIVERSE LEARNERS, P12

This course addresses the characteristics, nature and needs that distinguish individuals with mild to moderate disabilities from the general population. The focus is on definitions, associated learner characteristics, Individualized Education Programs (I.E.P.), and instructional provisions for individuals with intellectual, learning, and emotional disabilities as well as autism and traumatic brain injury. ***Three credit hours.***

SPED 250.PRINCIPLES OF THERAPEUTIC HORSEMANSHIP

Students will be introduced to the history of therapeutic horsemanship, the organization, and administration of programs, choosing a rider population, special health issues, and learning special mounting procedures. Students will learn to conduct basic facility and equipment assessments and horse evaluations. ***Three credit hours.***

SPED 260.THERAPEUTIC HORSE MOVEMENT

This course will impart a working knowledge of equine physiology and functional anatomy, and then relate these to current theories and practices in therapeutic horse husbandry. In addition, the course will teach problem-solving skills in the presentation of common equine diseases and the therapeutic options available for their treatment. Prerequisite: SPED 150. ***Three credit hours.***

SPED 270.THERAPEUTIC HORSEMANSHIP PROGRAM

This course will focus on the administration of the Therapeutic Horsemanship Program through hands on participation in a program. Students will have the opportunity to plan, teach, and evaluate in a therapeutic horsemanship program. Other topics will include working with volunteers and parents, public relations and marketing activities, organization of fund-raising events, and other administrative responsibilities. Prerequisite: SPED 250. ***Three credit hours.***

The following 300- and 400-level professional education courses are available only to students who have been formally admitted to a Teacher Education Program. Some courses have additional prerequisites.

SPED 321.ASSESSING AND TEACHING READING TO NEEDS

This course will provide students with an overview of research based methods for assessing and teaching reading to students with and without exceptional learning needs from a variety of theoretical perspectives. Emphasis will be placed on the methods and techniques for teaching reading to individuals and groups with mild to moderate disabilities and speakers of a second language. This course meets the SC Read to Succeed requirements. ***Three credit hours.***

SPED 329.SPECIAL EDUCATION CLINICAL EXPERIENCE

This clinical provides classroom instructional experiences with students with mild to moderate disabilities in early childhood or elementary special education settings utilizing research-based instructional practices. Teacher candidates prepare, teach, and assess individual lessons in special education and/or inclusive classrooms. Students are responsible for transportation to off-site placements. Prerequisite: Formal level status. Co-requisite: SPED 341. ***Three credit hours.***

SPED 341.INTEGRATED EARLY CHILDHOOD AND ELEMENTARY CURRICULUM AND INSTRUCTION FOR DIVERSE LEARNERS

The study of teaching methodologies utilized in the special education resource and self-contained classroom and as support in more inclusive environments for students with mild to moderate disabilities. Major emphasis will be placed on IEP development, classroom management and integrating standards-based curriculum in early childhood and elementary classrooms. Prerequisites: SPED 223. Formal admission to Teacher Education Program required. Co-requisite: SPED 329. ***Three credit hours.***

SPED 356.BEHAVIOR AND CLASSROOM MANAGEMENT

This course will provide students with (a) an understanding of the basic principles of behavior management for individuals and groups, and (b) the application of those principles for creating positive behavior supports and designing effective classroom management systems. It focuses on preparing reflective practitioners to apply systematic principles of behavior management in academic and social areas. The course is organized to prepare teachers who will be in general and special education settings with children of all ages. Prerequisite: SPED 223 or instructor permission. ***Three credit hours.***

SPED 423.ASSESSMENT OF DIVERSE LEARNERS, P-12

This course focuses on the use of formal and informal assessment of students with disabilities for eligibility determination and instructional purposes. This course examines diagnostic instruments, informal assessment measures and prescriptive approaches necessary for improving the teaching and learning of students with exceptional learning needs. Emphasis is placed on practical experiences in use and design of assessment for effective instruction and providing accommodations in P-12 classrooms. Prerequisite or co-requisite: SPED 240, Formal admission to Teacher Education Program required. ***Three credit hours.***

SPED 429.SPECIAL EDUCATION CLINICAL EXPERIENCE

This clinical provides classroom instructional experiences with students with mild to moderate disabilities in middle or high school special education settings utilizing research-based instructional practices. Teacher candidates prepare, teach, and assess individual lessons in special education and/or inclusive classrooms. Students are responsible for transportation to off-site placements. Prerequisite: Formal level status. Co-requisite: SPED 451**.** ***One to eleven credit hours*.**

SPED 434.COMMUNICATION AND COLLABORATIVE PRACTICES

This course provides a practical approach for working with teachers, families, and community resources concerned with students with mild to moderate disabilities. Included are issues related to working with individuals from diverse backgrounds and the use of augmentative/assertive technology. Major emphasis is placed on models of effective techniques for communication, co-teaching and collaboration. Prerequisite: Formal admission to Teacher Education Program. ***Three credit hours.***

SPED 451.INTEGRATED SECONDARY CURRICULUM AND INSTRUCTION FOR DIVERSE LEARNERS

Study of teaching methodologies utilized in special education resource and self-contained classrooms and as support in more inclusive environments for students with mild to moderate disabilities. Major emphasis is placed on ITP development, classroom management and integrating standards based curriculum in secondary settings. Prerequisites: SPED 223 and SPED 240. Formal admission to Teacher Education Program required. Co requisite: SPED 429. ***Three credit hours.***

TEACHING FELLOWS PROGRAM

TFP 101.STUDENT DEVELOPMENT

An overview of the Teaching Fellows Program and the skills necessary for students to reach their educational objectives as students and teachers. Topics include self-awareness and assessment, decision-making, goal-setting, cultural diversity, stress management, peer relationships, communication and interpersonal skills. (This course is available only to students who have been accepted to the Teaching Fellows Program). ***One credit hour.***

TFP 102.LEADERSHIP DEVELOPMENT

A study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). ***One credit hour.***

TFP 201.TEACHING FELLOWS-SOPHOMORE SEMINAR I

A continuation of the study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). ***One credit hour.***

TFP 202.TEACHING FELLOWS-SOPHOMORE SEMINAR II

A continuation of the study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). ***One credit hour.***

TFP 301.TEACHING FELLOWS-JUNIOR SEMINAR I

A continuation of the study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). ***One credit hour.***

TFP 302.TEACHING FELLOWS-JUNIOR SEMINAR II

A continuation of the study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). ***One credit hour.***

TFP 401.TEACHING FELLOWS-SENIOR SEMINAR

A continuation of the study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students have been accepted to the Teaching Fellows Program). ***One credit hour.***

TFP 402.TEACHING FELLOWS-SENIOR SEMINAR II

A continuation of the study of leadership and the leadership skills of effective leaders and teachers. Topics include leadership styles, valuing diversity, defining leadership in the community/classroom, and factors that influence/contribute to effective leadership. (This course is available only to students who have been accepted to the Teaching Fellows Program). ***One credit hour.***

ENGLISH

ENGL 101.WRITING AND INQUIRY I

Students write for a variety of situations, audiences and purposes with an emphasis on the relationship between writing and thinking. **(**General Education – Core Academic Skills) ***Three credit hours.***

ENGL 102.WRITING AND INQUIRY II

Students write in response to diverse texts, refining their abilities to analyze, interpret, synthesize, and evaluate ideas with an emphasis on research, and MLA style documentation. Prerequisite: ENGL 101 or placement in ENGL 102. (General Education – Core Academic Skills) ***Three credit hours.***

ENGL 114.INTRODUCTION TO LITERATURE

This course provides an introduction to college-level literary studies. It may be repeated for additional credit as themes change. (General Education – Humanities and Fine Arts) ***Three credit hours.***

ENGL 190.WRITING AND INQUIRY WORKSHOP

This course is designed to help students build foundational skills for successful academic writing and apply these skills to their assignments in ENGL 101 and other Lander courses. Students practice the composing and editing processes necessary for success in college writing—with emphasis on mechanical conventions and rhetorical strategies—through lectures, workshops, and peer tutoring. Graded pass/fail. Co-requisite: ENGL 101. ***One credit hour.***

ENGL 199.CAREERS IN ENGLISH

This course introduces careers available for English majors, opportunities for professional development, and admissions requirements for graduate and professional schools. Prerequisite: ENGL 101 with "C" or better; enrollment as an English major, or instructor permission. ***One credit hour.***

ENGL 200.WRITING SKILLS FOR ENGLISH MAJORS

This course provides the terminology and skills necessary to produce clear, well-edited, and rhetorically effective academic writing within the major. Attention is also given to prose style and the integration of sources. Prerequisite: ENGL 101 with "C" or better, enrollment as an English major, or instructor permission. ***Two credit hours.***

ENGLISH 102 IS A PREREQUISITE FOR ALL ENGLISH AND WRITING COURSES ABOVE THE 100-LEVEL.

ENGL 201.SURVEY OF BRITISH LITERATURE

Students will read texts by important British writers in a variety of genres. Readings will span British history, from the Anglo Saxon period to the Renaissance to recent years. Prerequisite: ENGL 102 with "C" or better or instructor permission. (General Education – Humanities and Fine Arts) ***Three credit hours.***

ENGL 202.SURVEY OF AMERICAN LITERATURE

Students will read texts by important American writers in a variety of genres. Readings will span American history from the colonial period to recent years. Prerequisite: ENGL 102 with "C" or better or instructor permission. (General Education – Humanities and Fine Arts) ***Three credit hours.***

ENGL 204.SURVEY OF AFRICAN-AMERICAN LITERATURE

Students will read texts in a variety of genres by African-American writers throughout history. Readings may include slave narratives, the works of the Harlem Renaissance, and recent texts. Prerequisite: ENGL 102 with "C" or better or instructor permission. (General Education – Humanities and Fine Arts) ***Three credit hours.***

ENGL 205.READINGS IN SOUTHERN LITERATURE

Students read and respond to texts by authors of the American South or texts concerned with the American South. Prerequisite: ENGL 102 with "C" or better or instructor permission. (General Education – Humanities and Fine Arts) ***Three credit hours.***

ENGL 214.WORLD LITERATURE AND EXPERIENCE

Students read and respond to texts by both Western and non-Western authors. These texts often share a common theme such as literature and madness, literature and nature, or literature and war. Themes reflect diverse topics and change each semester. This course may be repeated for additional credit as themes change. Prerequisite:

ENGL 102 with "C" or better or instructor permission. (General Education – Humanities and Fine Arts) ***Three credit hours.***

ENGL 221.SURVEY OF WORLD LITERATURE

Students will read texts from around the globe, especially non-Western cultures. Readings will be drawn from a variety of genres and time periods, including ancient and recent texts. Prerequisite: ENGL 102 with "C" or better or instructor permission. (General Education – Humanities and Fine Arts) ***Three credit hours.***

ENGL 241.READINGS IN DRAMA, FICTION, OR POETRY

Students read and respond to texts primarily in one literary genre. This course may be repeated for credit as focus changes. Prerequisite: ENGL 102 with "C" or better or instructor permission. (General Education – Humanities and Fine Arts) ***Three credit hours.***

ENGL 290.ENGLISH PRACTICUM

Students learn techniques of tutoring writing. This is a required course for writing center tutors: however, taking the course does not guarantee or require employment in the Writing Center. English majors may take this course for elective credit only. This course may be repeated for credit up to three times with instructor's permission. Prerequisite: ENGL 102 with a "C" or better or instructor permission. ***One credit hour.***

ENGLISH MAJORS SHOULD COMPLETE REQUIRED GENERAL EDUCATION ENGLISH COURSES BEFORE ENROLLING IN UPPER-LEVEL ENGLISH OR WRITING COURSES.

ENGL 301.MEDIEVALISM

This course examines literary works that reflect the profound cultural, religious, and linguistic changes that occurred in Europe between the 5th and 15th centuries. Prerequisite: ENGL 102 with "C" or better or permission of instructor. ***Three credit hours.***

ENGL 303.RENAISSANCE

This course examines the rise of humanism and the revival of interest in the arts and letters of ancient Greece and Rome. This course may include literary works produced during other periods of artistic reawakening. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 304.CLASSICISM

This course examines the literature and thinking associated with British, American, and continental writers of the 17th and 18th centuries. Attention may also be given to examples of classicism from other literary periods. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 311.ROMANTICISM

This course examines literary works in which romanticism is an important element, especially works from the early 19th century. The course may include examples of romanticism from other literary periods. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 312.VICTORIANISM

This course examines literary works that respond to some of the many questions raised by the social, economic, political, and intellectual transitions during the 19th century. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 322.REALISM AND NATURALISM

This course examines literary works that reflect the ideas associated with naturalism and realism from various periods, especially those of the 19th century and after. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 325.ETHNIC/REGIONAL LITERATURES

This course examines literary works or films of a particular region or ethnic group and may deal comparatively with varying regions or groups. Previous topics have included Southern Literature, American Ethnic Cinema, Irish Literature, African-American Literature, and the Jewish-American Novel. This course may be repeated for additional credit as themes change. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 326.CULTURAL STUDIES IN AMERICAN CINEMA

This course examines the representations of various cultures and groups in American film. Students will view and analyze films chosen for their issues of race, religion, ethnicity, class, gender, sexuality, and/or ability. Prerequisite: ENGL 102 with a "C" or better or instructor permission. ***Three credit hours***.

ENGL 338.MODERNISM

This course examines literary works that consider the boundaries of the modern, the avant-garde, and modernist perceptions of reality. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 339.POSTMODERNISM

This course examines the theoretical concept of postmodernism in its varied forms. This examination will include discussion of postmodernism's relationship to modernism, the history of the time period, the rise of literary and cultural theory, and the role of media in postmodern constructions of self/identity. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 344.TEACHING AND APPLYING ENGLISH GRAMMAR

This course examines different ways of understanding and teaching English syntax. Students explore various applications for grammatical knowledge and study the rhetorical nature of grammatical choices. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 345.INTRODUCTION TO LANGUAGEAND LINGUISTICS

This course surveys ways in which language has been studied, the tools used by linguists, how speakers learn first and subsequent languages, and how language reflects social issues such as gender, power, and ethnicity. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 401.SPECIAL TOPICS IN LITERATURE

This course focuses on selected topics in literature. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. This course may be repeated for credit as the topic changes. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 402.YOUNG ADULT LITERATURE

This course is designed to present a broad selection of literature which is appropriate (and often designed) for the secondary-school grade levels. The scope of works chosen, the themes in these works, and the strategies employed by writers will vary, but the course will concentrate on critical readings of young adult novels from diverse cultural perspectives and the teaching of young adult literature. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 403.SPECIAL TOPICS IN FILM STUDIES

This course focuses on selected topics in film. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. Prerequisite: ENGL 102 with a "C" or better or instructor permission. ***Three credit hours.***

ENGL 406.STUDIES IN MAJOR AUTHORS

This course focuses on detailed study of the literary works of one major figure, with attention to biography and criticism. A course in Shakespeare will be offered under this number every other year. This course may be repeated for credit as the topic changes. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 413.SPECIAL TOPICS IN RHETORIC

This course focuses on selected rhetorical texts from the classical period to modern theories. Readings include various genres that reflect principles of rhetorical theories. This course may be repeated for credit as the topic changes. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 414.STUDIES IN GENRE

This course focuses on literature from a single genre and may compare works in several genres. This course may be repeated for credit as the topic changes. Prerequisite: English 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 417.READING/WRITING SEMINAR

This course focuses on a specific type of writing, such as autobiography, short story, poetry, criticism, or nonfiction. Students study representative texts and write and analyze their own writing with an emphasis on the

relationship between analytical and creative approaches. This course may be repeated for credit as topic changes. Prerequisite: ENGL 102 with "C" or better or instructor permission. ***Three credit hours.***

ENGL 445.TOPICS IN LANGUAGE AND LINGUISTICS

This course focuses on advanced topics related to language and linguistics. This course may be repeated for credit as the topic changes. Prerequisite: ENGL 345 with "C" or better or instructor permission. ***Three credit hours***.

ENGL 451.METHODS OF TEACHING SECONDARY ENGLISH

This course emphasizes planning, implementing, and evaluating instruction in secondary English education, with attention to the integration of reading, writing, listening, speaking, and viewing. Prerequisite: ENGL 102 with "C" or better, EDUC 329, or instructor permission. Co-requisite: EDUC 429. ***Three credit hours.***

ENGL 490.INTERNSHIP

This course gives students practical on-the-job learning experiences in language-oriented fields. Students work several hours a week at a business or agency under the supervision of agency personnel and a faculty supervisor. Prerequisite: 12 credit hours in the major area and/or permission of the department chair. Open only to juniors and seniors, the course is offered when suitable positions are available. ***One to nine credit hours.***

ENGL 499.SENIOR SEMINAR

This course is required of all senior English majors. Students consolidate the skills and knowledge learned in the major, reflect critically on the discipline of English, and explore historical, critical, and rhetorical issues of concern to English majors. Students assemble a professional portfolio as they prepare for graduate school or careers. Prerequisite: ENGL 102 with "C" or better, ENGL 200 with "C" or better, senior status as an English major, and 12 hours of 300-400 level English courses, or instructor permission. ***Three credit hours.***

ENGLISH AS A SECOND LANGUAGE

ESL 101.BEGINNING GRAMMAR AND WRITING

Emphasis is on basic vocabulary development and writing skills, including spelling and sentence construction. Students are introduced to basic English grammar, including parts of speech, verb forms, questions and negative statements. Graded pass/fail. May not be used for any degree credit. ***Three credit hours.***

ESL 102.BEGINNING SPEAKING AND LISTENING

Emphasis is on conversational skills and basic pronunciation, including English stress patterns. Students encounter English through a variety of media, including games, audio-visual media, and face-to-face conversations. Graded pass/fail. May not be used for any degree credit. ***Three credit hours.***

ESL 121.INTERMEDIATE GRAMMAR AND WRITING

Emphasis is on continued vocabulary development, basic reading activities, and sentence combination. Students are introduced to short essay writing, intermediate level grammar, including subordination, perfect tenses, and other constructions. Graded pass/fail. Prerequisite: ESL 101, placement, or approval of the ESL instructor. May not be used for any degree credit. ***Three credit hours.***

ESL 122.INTERMEDIATE SPEAKING AND LISTENING

Emphasis is on continued development of conversational skills and basic pronunciation. Students encounter English at the intermediate level through a variety of media, including audio-visual media, formal speeches and face-to-face conversations. Graded pass/fail. Prerequisite: ESL 102, placement, or approval of the ESL instructor. May not be used for any degree credit. ***Three credit hours.***

ESL 131.ADVANCED GRAMMAR AND WRITING

Emphasis is on vocabulary development, reading comprehension, and composition in a variety of genres, including multi-page essays that incorporate research. Graded pass/fail. Prerequisite: ESL 121, placement, or approval of the ESL instructor. May not be used for any degree credit. ***Three credit hours.***

ESL 132.ADVANCED SPEAKING AND LISTENING

Emphasis is on pronunciation, listening comprehension, and conversational skills. Students practice using English in face-to-face conversations in formal presentations and speeches. Graded pass/fail. Prerequisite: ESL 122, placement, or approval of the ESL instructor. May not be used for any degree credit. ***Three credit hours.***

ENVIRONMENTAL SCIENCE

ES 301.INTRODUCTION TO ENVIRONMENTAL SCIENCE 1

First semester study of the environment emphasizing the physical, chemical and biological foundations of human society and the interactions between people and their environment. Topics include the Earth and its hydrological and biogeochemical cycles, population dynamics, environmental ethics, politics, economics and law, environmental sustainability, renewable and nonrenewable resources and their use, and climate change. Three hours lecture, one hour seminar per week. ***Four credit hours***.

ES 302.INTRODUCTION TO ENVIRONMENTAL SCIENCE 2

Second semester of study of the environment emphasizing the chemical, geological, biological, and physical effects of human society on the biosphere and our responses to them. Topics include the environmental issues such as water pollution, solid waste disposal, risk assessment, species extinction and conservation, land use and urban development. Three hours lecture, one hour seminar per week. ***Four credit hours.***

ES 310.ENVIRNONMENTAL GEOLOGY

Human interactions with geological processes are covered, including topics such as soil and rock properties, slope stability, fluvial geomorphology, river flooding, soil conservation, coastal hazards, water resources and supply, land subsidence, natural resource extraction, acid drainage, waste disposal, soil contamination, geologic catastrophes, and land use planning. Prerequisites: GEOL 111 or PSCI 112. ***Three credit hours.***

ES 111.ENVIRONMENTAL SUSTAINABILITY

This course teaches students the skills to both define sustainability and to assess if a given process or product can be deemed "sustainable." Synthesis of fundamental ecological principles and anthropogenic activities will be covered. Conversation about pollution prevention, ecological risk, and remediation will help students practice sustainability as world citizens. (General Education – Scientific and Mathematical Reasoning non-laboratory science) ***Three credit hours.***

ES 314.CULTURAL PERSPECTIVES OF GLOBAL CLIMATE CHANGE

Global climate change is arguably the most important science-based issue of our time. Its impacts on cultures, institutions, economies, ecology, and other Earth systems are indelible and serious. The many cultures on Earth are affected by and respond to climate change in different ways. Understanding various cultural perspectives regarding this challenge is essential for an accurate and complete understanding of the impacts of climate change, as well as to understand what is possible in the way of adaptation and mitigation solutions to the challenge. In this course, the science of climate change will be reviewed in order to understand its causes and effects, and study how cultures other than our own regard and respond to climate change. Students will develop a critical understanding of these relationships as they study several developing areas of the world. (General Education – World Cultures) ***Three credit hours.***

ES 390.GLOBAL TOPICS IN ENVIRONMENTAL SCIENCE

This course provides an in-depth study of different topics in Environmental Science. Topics are of global importance and will be covered from multiple perspectives (e.g., global climate change, energy use, population, etc.). Specific topics will be announced in advance. Prerequisite: Completion of one or more laboratory science courses with "C" or better. Three hours lecture weekly. ***Three credit hours*.**

ES 407.RESEARCH IN ENVIRONMENTAL SCIENCE

Special topics research problems for juniors or seniors in Environmental Science. May be taken for additional credit but is limited to a maximum of four credit hours toward degree requirements. Offered on demand to qualified students and with the approval of the instructor. ***One to four credit hours.***

ES 490.INTERNSHIP IN ENVIRONMENTAL SCIENCE

This course gives students practical experience with an approved governmental or private organization involved in environmental investigation, research, regulation, monitoring, assessment, or compliance. The experience will be supervised by the instructor, who will schedule conferences with the student. The student will maintain a journal of experiences and will submit it and a final paper and/or presentation describing the experience and the knowledge gained from it. The student is responsible for meeting all living and travel expenses. A minimum of 3 hours per week of on-the-job experience for at least 11 weeks is required for each hour of credit. The prerequisites: BIOL 111, CHEM 111, and instructor permission. Graded pass/fail. ***Three or four credit hours*.**

ESPORTS

ESPM 201.INTRODUCTION TO ESPORTS

This is an introductory course related to the emergence and phenomenon of the Esports industry. Students will be introduced to the basic concepts and principles related to Esports and competitive gaming including overall industry dynamics and career opportunities in the field. ***Three credit hours.***

ESPM 225.ESPORTS PROJECT AND EVENT MANAGEMENT

This course will introduce students to the concepts and processes in project management as it relates to Esports. Topics such as management of projects that involve managing of Esports venues and events, planning and execution of Esports operations and events, and overall Esports project budget considerations will be included. ***Three credit hours.***

ESPM 235.ESPORTS MANAGEMENT AND ADMINISTRATION

This course is an overview of the Esports management industry, which includes application of theoretical and practical management principles in the operation and oversight of Esports events, venues, and organizational teams. ***Three credit hours*.**

FINANCE

FINA 151.PERSONAL FINANCE

The purpose of this course is to explore how individual choices influence future earnings potential and wealth building goals. Topics include money management, spending and credit, savings strategies, and investing**.** ***Three credit hours*.**

FINA 301.CORPORATE FINANCE

This course introduces financial management. Topics include the role of ethics in financial markets, financial analysis, agency conflict, cost and sources of capital, and project selection. In addition, stocks, bonds, mergers, and international financial management are surveyed. Prerequisite: "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201, or ECON 202. ***Three credit hours*.**

FINA 308.FINANCIAL SERVICES

This class introduces the domestic and international financial services industry. It focuses on the four major industry segments – commercial banking, insurance (risk management), investments, and real estate. The fundamentals of these industries – markets, major companies and competitors, government regulation, and the basic financial structures of these businesses will be studied. In addition, the opportunities and credentials required for employment in the various sectors will also be reviewed. Prerequisites: Junior or senior status, "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201 or ECON 202. ***Three credit hours.***

FINA 310.INVESTMENTS

This course provides an introduction to financial securities and contracts traded in modern financial markets. Stocks, bonds, and derivatives will be discussed. Topics include portfolio evaluation and the market microstructure that facilitates trading and risk management. Prerequisite: "C" or better in FINA 301. ***Three credit hours.***

FINA 311.REAL ESTATE PRINCIPLES

This course surveys the residential real estate industry. Topics include housing market analysis, valuation and appraisal methods, real estate transactions, and loan processes and documentation. This course fulfills the pre-licensing requirements for a real estate salesperson license in accordance with required curriculum of the South Carolina Real Estate Commission. Prerequisites: "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201 or ECON 202. ***Three credit hours*.**

FINA 312.INSURANCE AND RISK MANAGEMENT

This course surveys the insurance industry, with a focus on the management of operational risks facing organizations. Topics include measurement of risk, behavioral bias in decision making under uncertainty, diversification of risk, the role of capital in ensuring performance, and moral hazard. These topics are then applied to public policy issues such as health care, catastrophic risk, and safety regulation. Prerequisites: "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201 or ECON 202. ***Three credit hours.***

FINA 352.SPECIAL TOPICS IN FINANCE

This course allows for the study of finance topics which are not a part of the regular course offerings. Course may be repeated up to 3 times provided the topic is different and count as a business elective or general elective. To repeat the course to improve a grade, the topic must be the same. Prerequisites: "C" or better ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For non-business majors: Instructor permission. ***Three credit hours.***

FINA 490.FINANCE INTERNSHIP

This course will provide practical work experience in the financial services field through an approved agency or business under the supervision of professional employees and the course instructor. The course may be taken for a maximum of six hours and used as a business elective or general elective. Internship is dependent upon position availability. Prerequisites: Instructor permission, and junior or senior status, "C" or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. ***One to six credit hours.***

FALS

FALS 101.FINE ARTS AND LECTURE SERIES (Temporarily suspended)

Lander University recognizes that a college education should provide opportunities to expand and deepen a student's cultural development. The FALS (Fine Arts and Lectureship Series) requirement is intended to ensure that students are exposed to out-of-class performances and activities which broaden their perspectives and understanding. All undergraduate, degree-seeking students graduating under the current catalog are required to attend fifteen (15) FALS-approved events, with the following exceptions: Students enrolled in a totally online degree program, students in Project CREATE, and second undergraduate degree candidates. FALS 101 is a non-credit-bearing graduation requirement. ***0 credit hours***

FINE ARTS

FA 103.FINE ARTS STUDY TOUR

An intensive, directed cultural tour of a major national or international location. Preparation sessions will be given in advance of the trip. A culminating project will be required after the conclusion of the tour. Higher credit hours will require more student assignments and/or additional research depending on the tour subject. The focus will be on experiences in music, art, architecture, theatre, and/or dance. Tours are usually scheduled during Spring Break, May, or over the Christmas holiday. This course may be repeated for additional credit only if tour sites are different. Tours are led by Fine Arts faculty members (art, dance, or music.) Additional fees are charged for costs beyond tuition. (General Education – Humanities and Fine Arts) ***One to three credit hours.***

FRENCH

FR 101.FRENCH FOR GLOBAL CITIZENS I

This course introduces students to the lexicon and structural principles of the French language and delves into the cultures of the French-speaking world, with a special emphasis on France and francophone cultures. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: Placement determined per Foreign Language Placement Policy. (General Education – World Cultures) ***Three credit hours.***

FR 102.FRENCH FOR GLOBAL CITIZENS II

This course continues to introduce students to the lexicon and structural principles of the French language and delves further into the cultures of the French-speaking world, with a special emphasis on France. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: FREN 101 or placement determined per Foreign Language Placement Policy. (General Education – World Cultures) ***Three credit hours.***

FRENCH 102 OR EQUIVALENT IS A PREREQUISITE FOR ALL 200-LEVEL COURSES.

FR 203.FRENCH FOR GLOBAL CITIZENS III

This course continues to introduce students to the lexicon and structural principles of the French language and delves further into the cultures of the French-speaking world, with a special emphasis on France. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: FR 102 or placement determined per Foreign Language Placement Policy. (General Education – World Cultures) ***Three credit hours.***

FR 280.SPECIAL TOPICS
The study of a particular issue, theme, or topic in French or Francophone language, civilization, or literature. May be given in French or English. This course may be repeated for additional credit as topics change. Prerequisite: Instructor permission. ***One to three credit hours.***

FR 301.FRENCH CONVERSATION AND COMPOSITION
Development of proficiency in oral and written communication in French, focusing on vocabulary and structures. Discussions, oral presentations, and essays on material from French and Francophone texts and film. Conducted in French. Prerequisite: FR 203 or placement. ***Three credit hours.***

FR 330.OVERSEAS STUDY
Individualized project undertaken on an overseas study program approved by the University. Prerequisite: Placement. ***One credit hour.***

FR 340.OVERSEAS STUDY: LANGUAGE
Intensive language study on an overseas study program approved by the University. Prerequisite: Placement. ***One to nine credit hours.***

FR 355.OVERSEAS STUDY: CULTURAL STUDIES
Study in any area of French or Francophone culture and society on an overseas study program approved by the University. Prerequisite: Placement. ***One to nine credit hours.***

FR 360.OVERSEAS STUDY: LITERATURE
Study of French or Francophone literature on an overseas study program approved by the University. Prerequisite: Placement. ***One to six credit hours.***

FR 380.SPECIAL TOPICS
Course offered periodically for the investigation of a particular issue, theme, or topic in French or Francophone studies. Conducted in French. This course may be repeated for additional credit as topics change. Prerequisite: FR 305 or instructor permission. ***One to three credit hours.***

GENETICS

GHS 236.NUTRITION AND GENETICS This course focuses on the role of nutrition in promotion of health and wellness across the lifespan. The course advances knowledge of proteins, carbohydrates, lipids, vitamins and minerals including their ingestion, digestion, absorption, transportation, and metabolism. Concepts related to gene-diet interactions and the role of these interactions in growth and development and common chronic disease will also be introduced. ***Two credit hours.***

GHS 242.PRINCIPLES OF GENETICS FOR GENETIC COUNSELING ASSISTANTS
This course will introduce foundational principles of human genetics and genomics with a focus on the concepts and applications relevant to the practice of clinical genetics. Course requirements include the demonstration of practical clinical skills and comprise constructing pedigrees, identifying modes of inheritance, and considering bioethical principles as they relate to clinical genetics. ***Three credit hours.***

GHS 291.TECHNOLOGY IN GENETIC DIAGNOSIS AND GENETIC COUNSLEING
This course will allow students to explore molecular, biochemical, and cytogenetic techniques used to inform genetic counseling. Additionally, through this course students will understand the basics of the role of a laboratory genetic counselor, processes to enhance communication with the laboratory personnel, and the distinctive role of the diagnostic laboratory in patient care. ***Three credit hours.***

GHS 417.CLINICAL EXPERIENCE FOR GENETIC COUNSELING ASSISTANT
This course provides an in-depth study of genomics and the implications for health care professionals, including ethical, legal, and social implications of genomic technological advances. This course will use virtual experiences to introduce different components of the genetic counseling session, observe different counseling styles, and compare and contrast how different clinical sites operate. ***Three credit hours.***

GHS 499.PROFESSIONAL DEVELOPMENT FOR GENETIC COUNSELING ASSISTANTS
This course is designed to help students with professional development, career structuring, and advanced preparation to provide administrative support to genetic counselors. This includes requesting and sending medical records, packaging samples with appropriate consents for transport to genetic laboratories, submitting appropriate

information to insurance companies for visit and lab pre-authorizations as needed, completing post-visit tasks including sending referrals, returning patient calls regarding status of testing and any general questions/requests, contacting laboratories regarding testing, and communicating with patients and families regarding normal testing results**.** ***Two credit hours.***

GEOGRAPHY

GEOG 101.INTRODUCTION TO GEOGRAPHY

Emphasis on the Earth's physical features, its resources and the interdependence of mankind and environment. ***Three credit hours.***

GEOLOGY

GEOL 111.PHYSICAL GEOLOGY

Basic concepts of geology including rocks, minerals and their formation, and the evolution of terrestrial and submarine topographic features through weathering, erosion, sedimentation, faulting, mountain building, volcanism, tectonics, and glaciation. Three hours lecture, three hours laboratory weekly. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours***.

GEOL 405.HYDROGEOLOGY

Interactions between water and geologic materials with an emphasis on groundwater. Water quantity and flow, including the hydrologic cycle, aquifer properties, principles of groundwater flow, water quality aspects, such as water chemistry, groundwater contamination and remediation problems, and management problems related to water quality and quantity. Prerequisites: MATH 123 or MATH 141 and "C" or better in GEOL 111. ***Three credit hours.***

HEALTH CARE MANAGEMENT

HCMT 201.HEALTH CARE IN AMERICA

A survey of the U.S. health care industry focusing on the systems, the economics of health care delivery, and the political forces that impact the system. Prerequisite: Sophomore standing or instructor permission. ***Three credit hours.***

HCMT 290.SPECIAL TOPICS IN HEALTH CARE

Examination of current topics, issues, and trends in the health care industry. Prerequisite: Instructor permission. ***One to three credit hours.***

HCMT 311.MANAGED CARE AND HEALTH CARE FINANCE

This course provides an overview of the foundational concepts of health care finance that affect the management of health care and health related organizations. Prerequisite: "C" or better in HCMT 201. Co-requisite: FINA 301. For business majors additional prerequisites include completion of 42 credit hours and completion of ACCT 201 and ECON 101 with a "C" or better. ***Three credit hours.***

HCMT 315.PUBLIC HEALTH PRINCIPLES AND PRACTICES

This course is an overview of public health structure, policy, and public health practice. In contrast to clinical medicine, public health focuses on populations and strategies that can be used to promote health and prevent disease. The course will use problem-based and student-directed learning through lectures and small group discussions to highlight the roles of theory and practice in public health, and teach strategies that can be used to improve the health of entire populations. This course contributes to the student's professional development and provides them with knowledge of public health systems and practices at the local, national and global levels. Prerequisite: HCMT 201. ***Three credit hours.***

HCMT 369.SPECIAL TOPICS IN HEALTH CARE MANAGEMENT

This course allows for the study of health care management topics which are not a part of the regular course offerings. Course may be repeated up to 3 times provided the topic is different. To repeat the course to improve a grade, the topic must be the same. Prerequisites: "C" or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For non-business majors: Instructor permission. ***Three credit hours.***

HCMT 402.LONG TERM CARE MANAGEMENT

This course provides students with an overview of various settings for long-term care including nursing homes, senior housing options, adult day care, home health care, assisted living, and hospice. Students are introduced to

ethical and quality care issues, reimbursement for services, and the role of technology, marketing and leadership responsibilities. Prerequisite: HCMT 201. ***Three credit hours.***

HCMT 410.HEALTH CARE SYSTEMS

This course provides students with knowledge of issues specific to health care systems such as organizational structure, governance, strategic planning, community needs assessments, marketing, and health information technology applications. Prerequisite: "C" or better in HCMT 311. ***Three credit hours.***

HCMT 411.QUALITY IMPROVEMENT AND QUANTITATIVE TECHNIQUE

An examination of those systems that measure and maintain quality in organizations is conducted. This course examines the basic principles and techniques of quality management, as well as methods of measuring, assessing, and improving products and services such as the Deming and Donabedian approaches, Continuous Quality Improvement, and Total Quality Management. The quality movement in the United States and the adoption of the principles that have improved other industries by health care organizations will also be examined. This course will provide an overview of the current quality of care in the health care industry and other industries in the United States and other nations, including common challenges. Additionally there is an introduction to the science of improvement, with the theories and tools commonly used to change systems. Prerequisite: "C" or better in HCMT 201. ***Three credit hours.***

HCMT 490.INTERNSHIP IN HEALTH CARE MANAGEMENT

This course is designed to give students practical work experience in healthcare and healthcare related industries. The student works in an approved health agency or business environment under the supervision of professional employees and the course instructor. The grade is based on the requirements stated in the course syllabus, which will include evaluations by the field supervisor and the course instructor as well as written reports rendered by the student. Prerequisites: Senior status and instructor permission. Co-requisite: HCMT 410. ***One to six credit hours.***

HISTORY

HIST 101, 102.WESTERN CIVILIZATION

The historical development of Western institutions, ideas, and cultures from the beginning of civilization to 1918. The first semester covers the period before 1600, the second from 1600 to 1918. Neither course is a prerequisite for the other. (General Education – Behavioral and Social Perspectives) ***Three credit hours per course.***

HIST 111.UNITED STATES HISTORY TO 1877

This course provides a general survey from the age of discovery to 1877, and includes instruction on the institutions of the U.S. government and documents critical to the American experience, such as the Declaration of Independence, the U.S. Constitution, The Federalist Papers, and the Emancipation Proclamation. (General Education – Founding Documents of the United States and Behavioral and Social Perspectives).***Three credit hours.***

HIST 112.UNITED STATES HISTORY SINCE 1877

A general survey of U.S. history from 1877 to the present. (General Education – Behavioral and Social Perspectives) ***Three credit hours.***

HIST 121.WORLD CIVILIZATIONS TO 1600

The historical, cultural, political, economic, and geographical development of major world civilizations in the Middle East, Africa, Asia, Europe, and the Americas from the beginning of civilization to 1600 with a special focus on the origins of science and the impact of technological innovation on culture and society. (General Education – Behavioral and Social Perspectives) ***Three credit hour.***

HIST 122.WORLD CIVILIZATIONS 1600-PRESENT

The historical, cultural, political, economic, and geographical development of major world civilizations in the Middle East, Africa, Asia, Europe, and the Americas from 1600 to the present with a special focus on the origins of science and the impact of technological innovation on culture and society. (General Education – Behavioral and Social Perspectives) ***Three credit hours***.

HIST 201.THE HISTORIANS' CRAFT: AN INTRODUCTION TO THE STUDY OF HISTORY

This course introduces history students to the study of their discipline and to the techniques underlying historical study and research: the critique of primary and secondary sources; specific trends in historical interpretation, such as various schools of historiography; the Chicago Manual of Style of documentation and bibliography; and the

composition of thesis statements, papers, and reviews. Prerequisites: ENGL 102 and a 100-level history course. ***Three credit hours.***

HIST 221.UNDERGRADUATE RESEARCH IN HISTORY

In this course students engage in a faculty-directed research project or assist with faculty research. This course may be repeated for additional credit as the topic of the research project changes. Prerequisite: Instructor permission. Graded pass/fail. ***One credit hour.***

HIST 250.CIVIL RIGHTS AND THE LEGACY OF DR. BENJAMIN E. MAYS

This course examines the life and legacy of Dr. Benjamin E. Mays, a native of Greenwood County, minister, professor, advocate for civil rights, and as president of Morehouse College, mentor to such leaders as Dr. Martin Luther King, Jr. The course includes the study of race and civil rights in American society during Dr. May's lifetime (1894-1984) and beyond. Cross-listed with SOCI 250. Prerequisite: Instructor permission. ***Three credit hours.***

HIST 290.HISTORY PRACTICUM: PEER TUTORING

This course will not satisfy a history general education requirement. Instead it is intended to provide students with practical experience as teaching assistants in History. Actual practice should improve communication skills and should provide experience in synthesizing historical concepts. Prerequisite: Recommendation by faculty. ***One credit hour.***

HIST 306.LATIN AMERICA

This course covers the history of Latin America from pre-Columbian times to the present. Emphasis is on political, social, economic development, and international relations. Junior/senior status recommended. Prerequisites: ENGL102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 307.VIETNAM

This course examines Vietnam and its cultural development. It looks at Vietnam's long history of resisting outside attacks, with a focus on 20th century conflicts such as the French Indochinese War, and America's Vietnam War. It includes a comparison of the influence of the French and the Americans on Vietnam, and a study of contemporary responses of the Vietnamese people to foreign ideas and institutions so that students can understand Vietnamese society today. Prerequisite: ENGL 102. (General Education – World Cultures) ***Three credit hours.***

HIST 310.COLONIAL AMERICA

This course will examine the major themes and developments associated with the era of European colonization in the Americas, with a special focus on British colonies in North America. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 311.CIVIL WAR AND RECONSTRUCTION, 1850-1877

This course examines the causes of the Civil War, beginning with the conflict over the expansion of slavery into the territories acquired during the Mexican-American War. The political, economic, military, and social aspects of the war will be examined. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 314.THE NEW SOUTH

This course focuses on the social, economic, environmental, and political transformations of the American South after 1865 and punctuates the region's transition to the modern period of U.S. history. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 315.HISTORY OF SOUTH CAROLINA

This course will examine the major themes and developments associated with the history of South Carolina from prehistory through the 1960s. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 316.HISTORY OF BLACK EXPERIENCE: FROM AFRICA TO AMERICA

This course is a survey of the political, legal, social, and economic experience of African immigrants, slave and free, in America from 1609 to the present. Students will encounter first-person accounts, material culture and historical interpretation. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 317.THE CIVIL RIGHTS MOVEMENT

This course will introduce students to the major themes, events, and personalities in the U.S. Civil Rights Movement. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 326.ANCIENT WORLD

This course will provide insights into the character of the Western world during antiquity. It will focus on some aspects of ancient life that had a great effect on the development of Western culture, politics, and society. This course will illustrate how the peoples of ancient Western societies thought and lived in ways different from our own. Prerequisites: Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 327.THE EARLY MIDDLE AGES

This course is a survey of political, intellectual, and social life in Western Europe during the Early Middle Ages: the new politics, the recasting of society, manorialism, the confrontation with internal and external challenges, feudalism, church reform, and the rise of nation-states. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 328.THE HIGH MIDDLE AGES

This course is a survey of political, intellectual, and social life in Western Europe during the High Middle Ages: the growth of nation-states, the triumphs and humiliations of the Papacy, the crusading movement, the transformation of legal traditions, twelfth century renaissance, and scholasticism. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 329.THE LATE MIDDLE AGES

This course is a survey of political, intellectual, and social life in Western Europe during the Late Middle Ages: the consolidation of nation-states, decline of the medieval Empire, triumph and vicissitudes of the Papacy, refinements of law and representative government, demographic and man-made disasters, late medieval social/political dislocations and recoveries. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 330.ROBIN HOOD

This course will explore Robin Hood, the hero of the green wood, from the standpoint of historical fact, literary ballad, and cinematic art. Students will read medieval popular literature, investigate medieval outlawry, critique various films dating from the 1920s to the present, and assess reinterpretations of medieval times. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. (General Education – Humanities and Fine Arts) ***Three credit hours.***

HIST 341.UNITED STATES WILDLIFE CONSERVATION HISTORY

This course explores the history of American wildlife conservation during the nineteenth and twentieth centuries. In particular, the course focuses on the efforts of naturalists, sportsmen, and the government to regulate the harvesting of game animals and explores the positive and negative consequences of wildlife management. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 343.MODERN BRITAIN

This course will begin with the Victorian era and continue through industrialism, imperialism, feminism, World Wars I and II, and Britain's decline as a great power. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 344.SPORT IN AMERICAN HISTORY

This course examines the role of sport in American history, from the Colonial Era through today. Of central importance is the connection of sport to other significant themes in American history, including race, gender, class, economics, politics, and diplomacy. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 345.UNITED STATES, 1877-1921: THE GILDED AGE AND THE PROGRESSIVE ERA

This course is a study of the United States as it became rapidly industrialized, experienced social and economic stress, undertook political reform, and applied Progressive ideals before and during World War I. This course will

stress issues of culture, race, gender, and class as well as economics and politics. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 346.UNITED STATES HISTORY 1920-1945: PROSPERITY, DEPRESSION, AND WAR

This course explores the history of the United States from 1920 to 1945, including the "Roaring 20s," the Great Depression, and World War II. In addition to political and military themes, it stresses issues of culture, race, gender, and class. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 347.THE UNITED STATES AND THE COLD WAR, 1945-1991

This course explores the American experience during the Cold War era, 1945-1991. The course will stress diplomatic and military themes, with secondary emphasis on domestic affairs, U.S. politics, culture, race, gender, and class. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 348.UNITED STATES CULTURAL HISTORY SINCE 1900

This course examines American culture from 1900 to the present. It explores both "high" culture, such as literature, art, and classical music, and "popular" culture, such as film, sports, and rock and roll. It emphasizes connections between culture and race, gender, class, and politics in recent American history. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 349.1968: AMERICA AND THE WORLD

This course explores the significant events and cultural movements that swept across the United States and the world in the year 1968. It places events that occurred in the United States in 1968 in a global context, and will include discussion of diplomatic, political, social, and cultural history. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 350.CIVIL RIGHTS AND THE LEGACY OF DR. BENJAMIN E. MAYS

This course examines the life and legacy of Dr. Benjamin E. Mays, a native of Greenwood County, S.C., minister, professor, advocate for civil rights, and as president of Morehouse College, mentor to such leaders as Dr. Martin Luther King, Jr. The course includes the study of race and civil rights in American society during Dr. Mays' lifetime (1894-1984) and beyond. Prerequisites: ENGL 102, any three-hour Behavioral and Social Perspectives general education course, and instructor permission. ***Three credit hours.***

HIST 355.LATE ANTIQUITY

This course is a survey of political, intellectual, and social life between 300 and 800 A.D.: the Christianization of the Roman Empire, Germanic migration and the resultant kingdoms, monasticism, the end of the Empire in the West, the continuing imperial polity of the East, and the rise of Islam. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 363.WORLD CHRISTIANITY FROM 1500

This course will explore the cultural development of Christianity from 1500, with a focus on the transformations of the religion caused by the Reformations and the interaction between Europeans and native peoples in Africa, Asia, the Atlantic World, and Latin America. This course will help students to develop greater cultural sensitivity, a deeper appreciation of cultural difference, and an ability to understand religion and culture in today's interconnected world. This will be accomplished in part through the historical study of cultural products related to Christianity, such as art, language, literature, political writings, and visual media. Junior/senior status recommended. Prerequisite: ENGL 102. (General Education – World Cultures). ***Three credit hours.***

HIST 365.RELIGION AND WARFARE

The intersection of religion and warfare provides a powerful perspective for examining contemporary societies and cultures. Focusing on religions in Asia, Europe, and the Middle East, this course will investigate how religion and warfare have historically interacted to develop cultures that shape identities, perspectives, and ways of life in contemporary societies. This will be accomplished in part through the historical study of cultural products related to religion and warfare, such as art, language, literature, political writings, and visual media. Junior/senior status recommended. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. (General Education – World Cultures). ***Three credit hours.***

HIST 370.MODERN EAST ASIA

This course will take as its subject the cultural development of East Asia—China, Japan, and Korea—from the nineteenth century to the present. Students taking this course will develop a critical understanding of East Asian societies, identities, perspectives, ways of life, and beliefs with a particular focus on how the region's past has shaped its cultures and the rest of the world, thereby helping them to develop greater cultural sensitivity, a deeper appreciation of cultural difference, and a sense of place in an interconnected world. This will be accomplished in part through the historical study of cultural products, such as East Asian comics, literature, and visual media. Junior/senior status recommended. Prerequisite: ENGL 102. (General Education – World Cultures) ***Three credit hours.***

HIST 372.HISTORY OF COMICS AND ANIME

This course offers a comparative and historical study of animation, anime, comics, and manga in the United States and Japan. Subjects include popular culture, technological development in these areas, the rise of significant artists and companies in these media, and issues of censorship. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 375.MODERN CHINA

This course studies the current culture of modern China. Students will develop a critical understanding of Chinese society, identities, perspectives, ways of life, and beliefs with a particular focus on how China's past has shaped contemporary Chinese culture, the East Asian region, and the rest of the world. This course will provide historical study of cultural products, such as Chinese art, comics, literature, and visual media. Junior/senior status recommended. Prerequisites: ENGL 102, and any three-hour Behavioral and Social Perspectives general education course. (General Education – World Cultures) ***Three credit hours.***

HIST 376.MODERN JAPAN

This course studies the current culture of modern Japan. Students will develop a critical understanding of Japanese society, identities, perspectives, ways of life, and beliefs with a particular focus on how Japan's past has shaped contemporary Japanese culture, the East Asian region, and the rest of the world, thereby helping them to develop greater cultural sensitivity, a deeper appreciation of cultural difference, and a sense of place in an interconnected world. This will be accomplished in part through the historical study of cultural products, such as Japanese art, comics, literature, and visual media. Junior/senior status recommended. Prerequisite: ENGL 102. (General Education – World Cultures) ***Three credit hours.***

HIST 377.MODERN KOREA

This course studies the current culture of modern Korea. Students will develop a critical understanding of Korean society, identities, perspectives, ways of life, and beliefs with a particular focus on how Korea's past has shaped contemporary Korean culture, the East Asian region, and the rest of the world, thereby helping them to develop greater cultural sensitivity, a deeper appreciation of cultural difference, and a sense of place in an interconnected world. This will be accomplished in part through the historical study of cultural products, such as Korean art, comics, literature, music, popular culture, and visual media. Junior/senior status recommended. Prerequisite: ENGL 102. (General Education – World Cultures) ***Three credit hours.***

HIST 380.INTRODUCTION TO PUBLIC HISTORY

This course is an introduction to the methods of public history focusing on museum studies, but including archival practice, exhibit development, professional editing, oral history, and others. It also offers initial preparation for public history careers. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 383.WARFARE THROUGH THE AGES

The development of weapons and strategies, their effects within the military and on civilian populations from the dawn of civilization to the modern age. Prerequisites: ENGL 102 and any three-credit Behavioral and Social Science general education course. ***Three credit hours***.

HIST 385.ORAL AND LOCAL HISTORY

The course introduces to the most recent work in oral history and methodology with a focus on the history of upstate South Carolina from the colonial era to the present. Students engage in their own local oral history project. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 386.MEMORY AND MEMORIALIZATION

This course will explore how people have remembered and commemorated particular historical events and how memory and memorialization have shaped the political and social realms. It will focus on sites of memory and commemoration, such as museums and battlefields, and the contested nature of how human beings remember history. Prerequisite: ENGL 102 and any three-credit Behavioral and Social Perspectives general education course. ***Three credit hours*.**

HIST 390.AMERICA'S RISE TO WORLD POWER, 1776-1912

This course covers American foreign relations from 1776-1912, underscoring the significant international personalities, themes, and events that helped transition the country from a regional into a world power. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 391.AMERICA AS A MAJOR WORLD POWER: U.S. FOREIGN RELATIONS, 1912-PRESENT

This course covers American foreign relations from 1912 to the present, underscoring the significant international personalities, themes, and events that shaped the country's interaction with the global community. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

HIST 392.SPIES AND LIES: THE U.S. ESPIONAGE ESTABLISHMENT, 1942-1963

This course offers students the opportunity to explore the early history and global impact of the Office of Strategic Services and the Central Intelligence Agency (1942-1963). Students will also evaluate how fiction writers and Hollywood have depicted espionage and counter-intelligence during World War II and the early years of the Cold War. Junior/Senior status recommended. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours*.**

HIST 399.HISTORIOGRAPHY

The course provides an introduction to the major developments in the practice of historical study. Attention will be given to changing methods, major schools of thought, and specific trends in historical interpretation. Prerequisites: ENGL 102, at least 6 credit hours of 100-level history courses, and HIST 201. ***Three credit hours.***

HIST 407, 408, 409.RESEARCH IN HISTORY

These courses involve students engaging in a student-directed research project on a topic of historical interest. These courses are offered on demand to qualified students. Students may count a maximum of three credit hours of Research in History (HIST 407, HIST 408, or HIST 409) toward major requirements. Prerequisite: Instructor permission. ***One to three credit hours*.**

HIST 441.SPECIAL TOPICS IN HISTORY

This special theme course in history will include experimental and interdisciplinary courses. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hour.***

HIST 442.SPECIAL TOPICS IN PUBLIC HISTORY

This special topics course in public history will include experimental and interdisciplinary topics. This course may be repeated for additional credit as topics change. Prerequisite: Instructor permission. ***Three credit hours*.**

HIST 451.METHODS FOR TEACHERS OF SECONDARY SOCIAL STUDIES

This course will emphasize planning, implementing, and evaluating instruction of social studies at the secondary level. Pedagogical theory and practice will be integrated in the development of curricular materials, lesson plans, and presentation strategies. Attention will be given to use of technology for research, analysis, and presentation. The course will cover the NCSS national standards and the theory and methodology for instructing all social studies disciplines. Prerequisites: EDUC 320, EDUC 329, and nine hours of history at the 300-level. Co-requisite: EDUC 429. ***Three credit hours*.**

HIST 490.INTERNSHIP

Students participate in practical work experience related to the study of history. A faculty member supervises the internship. A student must be in good academic standing and have completed 45 semester hours of credit, 6 of them in history. Other course prerequisite(s) may be required at the instructor's discretion. Only three credit hours of internships may count toward the fulfillment history major requirements. For Pass/Fail credit only**.** ***One to nine credit hours.***

HIST 491.PUBLIC HISTORY INTERNSHIP

Students participate in practical work experience related to the study of public history. The internship is supervised by a faculty member. Only three hours of this internship may count toward the Emphasis in Public History, allowing other earned hours to count in Additional Electives. Graded on a pass/fail basis. Prerequisite: Instructor permission. ***One to nine credit hours.***

HIST 499.SENIOR CAPSTONE SEMINAR

This seminar-structured course provides students the opportunity to apply skills used by members of the historical profession and learn strategies for using their degree in a post-collegiate context. A final project will be presented to a panel of the department faculty. Prerequisites: Senior status, HIST 201, and an additional twelve credit hours of history coursework at the 300-level or better. ***Three credit hours***

HONORS COLLEGE

HONS 210.HONORS TRAVEL LABORATORY

This activity-based course builds travel skills and community for new students in the Honors College. Class meets periodically throughout the semester and includes preparation for and reflection on an overnight field trip. Prerequisite: Acceptance to the Honors College. ***One credit hour.***

HONS 211.HONORS TOPICS IN THE HUMANITIES

This course examines current issues in fields such as literature, cinema, philosophy, religion, history, and communication. Course topics change from year to year, but the course maintains a humanistic focus. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: Acceptance to the Honors College. (General Education – Humanities and Fine Arts) ***Three credit hours.***

HONS 291.HONORS TOPICS IN PUBLIC AFFAIRS

This course considers some major issues in the fields of economics and political science in the context of political economy. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Behavioral and Social Perspectives) ***Three credit hours.***

HONS 292.HONORS TOPICS IN PHILOSOPHY AND RELIGION

This course examines systems of thought and methods of inquiry in philosophy and religious studies. Course topics change from year to year. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Humanities and Fine Arts) ***Three credit hours.***

HONS 293.HONORS TOPICS IN LABORATORY SCIENCE

This course explores scientific topics from fields such as biology, chemistry, physics, and environmental science with emphasis on the scientific method and application of knowledge in a laboratory setting. Course topics change from year to year. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours.***

HONS 294.HONORS TOPICS IN BEHAVIORAL SCIENCE

This course explores the scientific study of the human condition, social structures and systems, and individual behavior and mental processes. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Behavioral and Social Perspectives) ***Three credit hours.***

HONS 295.HONORS TOPICS IN FINE ARTS

This course considers current issues in fields such as art, music, or theater. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Humanities and Fine Arts) ***Three credit hours.***

HONS 296.HONORS TOPICS IN HISTORY

This course explores issues related to history and historiography within different societies. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual

and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Behavioral and Social Perspectives) ***Three credit hours.***

HONS 297.HONORS TOPICS IN LITERATURE

This course examines literary works and their significance for world cultures. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual and group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Humanities and Fine Arts) ***Three credit hours.***

HONS 298.HONORS TOPICS IN SCIENCE

This course explores scientific topics from fields such as biology, chemistry, physics, and environmental science. Course topics change from year to year. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Scientific and Mathematical Reasoning or Non-laboratory Science) ***Three credit hours.***

HONS 299.HONORS TOPICS IN MATHEMATICS

This course considers the application of mathematical concepts to solve practical and theoretical problems. Course topics change from year to year. This is a seminar-style course that includes reading, discussion, and presentations in addition to problem solving. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes. (General Education – Scientific and Mathematical Reasoning or Non-laboratory Science) ***Three credit hours.***

HONS 389.DIRECTED INDEPENDENT STUDY

This course allows students to pursue unique projects and lines of inquiry as individuals or small groups with the support of a faculty guide. Course may be repeated for additional credit as the topic changes. ***One to three credit hours.***

HONS 390.SPECIAL TOPICS

This course considers subject matter outside the general education curriculum including honors-level coursework linked to specific majors. Course topics change from year to year. Prerequisite: HONS 211. Course may be repeated for credit as topics change. ***One to four credit hours.***

HONS 393.HONORS TOPICS IN WORLD CULTURES

Through an in-depth examination of a particular cultural context, this course explores special themes in the experience and perspective of communities living primarily outside of the United States. Course topics change from year to year. This is a seminar-style course that emphasizes reading, critical analysis, writing, and individual or group presentations. Prerequisite: HONS 211. Course may be repeated for additional credit as the topic changes.(General Education – World Cultures) ***Three credit hours.***

HONS 489.HONORS REFLECTION SEMINAR

This seminar—taken after completion of a study abroad, study away, internship, or independent research experience—guides students as they reflect upon and learn to market the skills they gained. ***One credit hour.***

HONS 499.HONORS CAPSTONE SEMINAR

This seminar coaches students as they prepare and evaluate presentations for a conference or academic showcase. HONS 499 is taken in conjunction with a discipline-specific senior capstone course or with HONS 389. ***One credit hour.***

HOSPITALITY

HOSP 101.PRINCIPLES OF HOSPITALITY MANAGEMENT

This introductory course provides students with an overview of the hospitality industry, which includes various operational segments, career opportunities, historical perspectives on tourism and hospitality, and a comprehensive look at each department within the foodservice and lodging industry. ***Three credit hours.***

HOSP 310.PURCHASING AND COST CONTROL

This course introduces students to the principles of effective product identification and the cost controls necessary to support a hospitality operation, namely within the foodservice segment. Topics may include procurement of goods, product distribution, product identification, costing procedures, inventory management, value analysis, and proper record keeping. Prerequisites: "C" or better in HOSP 101. ***Three credit hours.***

HOSP 315.FOODSERVICE OPERATIONS MANAGEMENT

This course focuses on the management of a variety of foodservice concepts that will include the understanding and the management of foodservice segments based on level of service, menu, theme, and price points. Topics may include how to manage each type of operating segment and how to maximize profitability based on specific management techniques within each foodservice segment. Prerequisite: Junior or senior status. ***Three credit hours.***

HOSP 320.LODGING OPERATIONS MANAGEMENT

This course introduces students to the scope of the hotel industry and the organizational structure and operational mechanics of how the departments within the rooms division of an individual hotel operate. Topics include how work is performed and how activities are coordinated within the rooms division and among other hotel departments. Prerequisite: Junior or senior status. ***Three credit hours.***

HOSP 330.HOSPITALITY FACILITIES PLANNING

This course provides an overview of the operation of hospitality facilities, including operating costs for various types of facilities, types and characteristics of major building systems, sustainable aspects of building equipment and management, and the responsibilities of the engineering maintenance department. The renovation needs and key managerial aspects of hospitality facility renovation projects are examined. Prerequisites: "C" or better in HOSP 101. Prerequisite: Junior or senior status. ***Three credit hours.***

HOSP 340.CONVENTION I AND MEETING PLANNING

This course covers the meeting and convention planners' points of view to help students identify various market segments and their marketing requirements. Topics may include the organization and planning of a convention, understanding the various forms of meetings, and integrating technology and service into the meeting and/or convention functions. Emerging trends and current events within the meetings and conventions sector will be covered. Prerequisite: Junior or senior status. ***Three credit hours.***

HOSP 350.HOSPITALITY OPERATIONS MANAGEMENT

This course provides the tools and techniques to manage hospitality-based operations across multiple industry segments. Similarities and differences in managing across various hospitality-based operations, with an emphasis on the basic management functions within various hospitality-based operations will be covered. Topics may include strategies and tactics for managing various multiple units within the hospitality industry. Prerequisite: Junior or senior status. Prerequisites: "C" or better in HOSP 101. ***Three credit hours.***

HUMAN SERVICES

HUS 201.INTRODUCTION TO HUMAN SERVICES

This course offers a broad overview of the profession of human services. The course introduces students to the values, skills, and knowledge required to provide services to assist others in a variety of settings and areas, such as aging, child welfare, corrections, crisis intervention, disabilities, mental health, and substance abuse. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102 or SOCI 101. ***Three credit hours.***

HUS 217.DRUG AND ALCOHOL COUNSELING

This course offers an overview of the theory and practice of recognizing and treating substance abuse. The course examines different prevention strategies and approaches to helping individuals, families, and groups experiencing alcohol and drug abuse or dependence. Prerequisite: HUS 201. ***Three credit hours.***

HUS 235.GROUP DYNAMICS

This course examines the theory and practice of group dynamics. Topics include different types of groups, leadership styles, and intra-and inter-personal dynamics. The focus is on group processes with specific populations in a variety of settings related to human services. Prerequisite: HUS 201. ***Three credit hours.***

HUS 299.HUMAN SERVICES FIELDWORK

This course offers shadowing, observation, and/or work opportunities in the area of Human Services. The field experience is supervised by professional employees of an approved agency, organization, or business as well as the course instructor. Weekly class meetings are also required. This course may be repeated for a maximum of 2 credit hours. Prerequisites: HUS 201 and Human Services major or minor. ***One credit hour.***

HUS 300.PROGRAM EVALUATION IN HUMAN SERVICES

This course focuses on the principles of applied social science research, involving both qualitative and quantitative methods, in the context of human services. Students are introduced to the issues and techniques

relevant to evaluating the effectiveness of programs designed to create social change in public and private human service settings. Prerequisites: SOCI 101; PSYC 101 or PSYC 102; HUS 201; MATH 211; and nine additional hours of HUS coursework. All courses must be passed with a "C" or better. ***Three credit hours.***

HUS 322.MARRIAGE AND FAMILY THERAPY

This course offers a broad overview of the theoretical models and practical principles involved in counseling couples and families. The course explores various therapeutic approaches as well as current issues and trends in marriage and family therapy. Prerequisite: HUS 201. ***Three credit hours.***

HUS 337.CRISIS INTERVENTION AND PREVENTION

This course examines the theoretical understanding of how humans deal with trauma and the individual and cultural variables that influence reactions to trauma. The course also focuses on treatment approaches to crisis intervention in the context of applied settings. Prerequisite: HUS 201. ***Three credit hours.***

HUS 389.SPECIAL POPULATIONS

This course explores issues related to providing human services for special populations. The focus is on developing cultural competency for working with diverse populations in the context of social services and mental health agencies. Prerequisite: HUS 201. ***Three credit hours.***

HUS 490.HUMAN SERVICES INTERNSHIP

This course is designed to give students a practical work experience in a field related to their major. The internship is arranged through an approved agency or business under the supervision of professional employees and the course instructor. The grade is based on the requirements stated in the course syllabus, which will include evaluations by the field supervisor and the course instructor. The course may be taken for additional credit for a maximum of six hours. Internships are dependent upon availability of positions. Prerequisites: A grade of "C" or better in HUS 300 or SOCI 398, Human Services major, and instructor permission. ***Three credit hours.***

HUS 499.SENIOR SEMINAR IN HUMAN SERVICES

The course is structured for students to synthesize their experiences across Human Services coursework and prepare to apply their knowledge and skills after graduation. Topics include issues of professional conduct, ethics, resumes, transition to career choices, and strategies for putting a Human Services degree to work in a post-collegiate context. Prerequisites: Senior status in the major and a grade of "C" or better in HUS 300 or SOCI 398. ***Three credit hours.***

HUMANITIES

HUMA 102.SPECIAL TOPICS IN A REGIONAL/ETHNIC CULTURE

Students will examine the present-day culture of a specific region or ethnic group primarily outside of the United States by examining its artistic productions, which may include literature, film, music, and/or visual arts; its history; and its worldviews. The course emphasizes critical reading, analysis, writing, and reflective discussion. Course topics may change from semester to semester and may be repeated for additional credit as the topic changes. Prerequisite: "C" or better in ENGL 101. (General Education – World Cultures). ***Three credit hours.***

HUMA 103.STUDY TOUR IN THE HUMANITIES

This course is designed to accompany and compliment an intensive, directed cultural study tour of an international location. It explores current cultural themes in the experiences and perspectives of the society visited. This course may be repeated for additional credit as the topic changes. Additional fees will be charged for travel-related expenses beyond tuition. (General Education – World Cultures) ***One to three credit hours.***

HUMA 111.TOPICS IN THE HUMANITIES

These humanities courses are designed to excite students' intellectual curiosity, introducing them to some of the questions fundamental to individuals in their relationship to society. Course materials typically include a diversity of media. Special topics will be announced in advance and this course may be repeated for additional credit as the topic changes. (General Education—Humanities and Fine Arts) ***Three credit hours.***

HUMA 213.INTRODUCTION TO RHETORIC AND ARGUMENT

This course examines the role of rhetoric in human communication. Students use basic concepts from classical rhetoric to analyze how written, spoken, visual, or other texts persuade audiences. (General Education – Humanities and Fine Arts) Prerequisite: ENGL 102. ***Three credit hours***.

HUMA 230.STUDIES IN HUMANITIES

This course offers a broad, interdisciplinary approach to the study of the Humanities or studies a humanities discipline other than those separately listed in Lander's curriculum. Topics, course descriptions, and requirements will be announced in advance. This course may be repeated for additional credit as the topic changes, up to a maximum of six credit hours. Prerequisite: ENGL 102. (General Education – Humanities and Fine Arts) ***Three credit hours.***

HUMA 250.FOUNDATIONS IN THE HUMANITIES

This course is required of all Humanities majors. The class will expose students to great works of intellectual and creative expression foundational to the study of human experience. Prerequisite: ENGL 102 or instructor permission. ***Three credit hours.***

HUMA 285.INTRODUCTION TO FILM STUDIES

The course will cover film history, aesthetics, and criticism from a historical, cultural, and theoretical context. The course will require readings on both the technological and artistic aspects of film and will also require analytical writing assignments. Selected films for the course will be viewed in a two-hour laboratory each week. Prerequisite: ENGL 102. (General Education – Humanities and Fine Arts) ***Three credit hours.***

HUMA 330.SPECIAL TOPICS IN HUMANITIES

This course examines a specific topic in the humanities from the perspective of various disciplines or from that of a humanities discipline other than those separately listed in Lander's curriculum. Topics, course descriptions, and requirements will be announced in advance. This course may be repeated for additional credit as the topic changes, up to a maximum of six credit hours. Prerequisite: ENGL 102. (General Education – Humanities and Fine Arts) ***Three credit hours.***

HUMA 390.SPECIAL TOPICS IN WORLD CULTURES

This course examines a specific topic in the humanities from the perspective of various disciplines and various cultures. Topics either will address global issues or will focus on non-western cultures. Topics, course descriptions, and requirements will be announced in advance. This course may be repeated for additional credit as the topic changes, up to a maximum of six credit hours. Prerequisite: ENGL 102. (General Education – Humanities and Fine Arts) ***Three credit hours.***

HUMA 391.TOPICS IN A WORLD CUTURE

With its focus primarily on one culture of the present day, this course explores communities primarily outside the United States. Through extensive examination of artistic productions, aspects of everyday life, customs, and traditions, etc. students become aware of that culture's perspectives and worldview. From semester to semester, the cultural focus may change. The course emphasizes critical reading, analysis, writing, and reflective discussion. This course may be repeated for additional credit as topic changes. Prerequisite: "C" or better English 102. (General Education – World Cultures). ***Three credit hours.***

HUMA 499.SENIOR SEMINAR

This course is required of all senior Humanities majors. Students consolidate the skills and knowledge learned in the major, reflect critically on Humanities disciplines, and explore historical, critical, and rhetorical issues of concern to Humanities majors. Students assemble a professional portfolio as they prepare for graduate school or careers. Prerequisite: HUMA 250 and instructor permission. ***Three credit hours.***

INFORMATION – LIBRARY

INFO 101.INFORMATION LITERACY

This course provides students with essential college-level information literacy skills for research and scholarship comprehension. Students will learn to determine personal information needs; distinguish different types of information, including articles, books, and the web; develop and execute advanced research strategies across many platforms; find, identify, and evaluate all types of research; and use information legally and ethically. This course will include lectures, class discussions, group activities, and research assignments that will demonstrate and reinforce the critical information literacy skills learned throughout the course. ***One credit hour.***

INTERDISCIPLINARY STUDIES

IDS 101.INTRODUCTION TO INTERDISCIPLINARY STUDIES

An introduction to the methodology of interdisciplinary study involving the integration of two or more fields of interest. ***Three credit hours***.

IDS 499.INTERDISCIPLINARY CAPSTONE SEMINAR

The seminar will consist of readings in interdisciplinary methodology; an experiential learning activity that integrates two or more disciplines; an academic product such as a research project, original composition, advertising campaign, etc.; and submission of a portfolio of work produced through the program curriculum. The portfolio will be reviewed by the Interdisciplinary Studies Advisory Council for the purposes of both student evaluation and program assessment. Prerequisites: senior status; ENGL 102; IDS 101 with a "C" or better; and eighteen or more credit hours of 300 or better level coursework. ***Three credit hours.***

INTERDISCIPLINARY STUDIES AWAY

IDSA 201.PREPARING FOR STUDY ABROAD

This course prepares students for interacting effectively in cultures other than their own. It is designed to assist students in (a) developing learning and coping strategies for when they study abroad, outside their native cultural environment, as well as (b) developing the communication and intercultural skills needed for interacting successfully in new cultural environments. Topics include cultural values and assumptions, intercultural communication, and cross-cultural problems and adjustment. Prerequisite: Approved for Study Abroad. ***One credit hour.***

IDSA 202.REFLECTION ON THE STUDY ABROAD EXPERIENCE

This course, taken after the completion of an approved Study Abroad experience, guides students as they reflect upon and learn to market the knowledge and skills they gained. Prerequisite: Completion of an approved semester or summer study abroad program. ***One credit hour.***

IDSA 300.INTERDISCIPLINARY STUDIES AWAY-RECIPROCAL EXCHANGE

A student in any major may be able to study at another institution – either domestic or international – with which Lander has a reciprocal agreement by registering for the appropriate number of hours of IDSA 300 and paying normal Lander tuition and/or fees. Opportunities for reciprocal exchanges are limited by the terms of the agreements between Lander and other institutions. Credit hours earned at the host institution under IDSA 300 are subject to University transfer policies and will replace the IDSA 300 course when an official transcript is received from the host institution. Courses taken at another institution will not count in the Lander GPA, but will count in the scholarship GPA and overall GPA calculations. ***One to fifteen (variable) credit hours.***

IDSA 301.INTERDISCIPLINARY STUDIES AWAY-NONRECIPROCAL EXCHANGE

A student in any major may be able to study at another institution – either domestic or international – by registering for the appropriate number of hours of IDSA 301 and paying to Lander the tuition and fees required by the other institution. Lander will then give credit for appropriate financial aid and will pay the tuition and fees to the other institution. Credit hours earned at the host institution under IDSA 301 are subject to University transfer policies and will replace the IDSA 301 course when an official transcript is received from the host institution. Courses taken at another institution will not count in the Lander GPA, but will count in the scholarship GPA and overall GPA calculations. ***One to fifteen (variable) credit hours.***

INTERNATIONAL STUDIES

INTL 390.THE POLITICS OF GLOBALIZATION

This course examines the politics of globalization and the development and management of the contemporary global economy. Topics, such as foreign aid, poverty, and the globalization of the American South, will be selected to analyze the interaction between international politics and international economics. The course deepens the student's ability to analyze and evaluate how globalization shapes and informs the leading issues in contemporary world affairs. The course also explores how globalization impacts the power differentials in the political and economic relationships between states and non-state actors as they relate to practices, beliefs, histories, traditions, and/or lived experiences of select societies around the world. Junior/senior status recommended. Cross-listed with POLS 390. Prerequisite: "C" or better in POLS 103. ***Three credit hours.***

INTL 499.SENIOR SEMINAR

As the capstone course in the International Studies program, this course enhances students' research and application skills to prepare them for successful careers in various workplace settings. It builds or reinforces knowledge, skills, and competencies in the realm of international studies. This course also includes assessment requirements for the University and the International Studies program. Prerequisite: "C" or better in INTL 390. ***Three credit hours.***

JOURNALISM

JOUR 201.INTRODUCTION TO JOURNALISM

An introduction to journalism with emphasis on style, newsgathering, and newswriting for the mass media. The course will include study of and experience with news analysis, reporting skills, and beat reporting. Prerequisite: "C" or better in ENGL 101 and ENGL 102. ***Three credit hours.***

JOUR 203.INTRODUCTION TO WEB DESIGN

This course introduces and provides practical experience with web design software. Emphasis is on both creative design theory as well as applied technology. ***Three credit hours*.**

JOUR 302.PUBLICATION DESIGN

This course examines methodologies, visual approaches to the design of print and digital publications, and explores strategies to analyze, plan, and produce publications. Topics covered include the basic principles of effective typography, the use of grids, integration of graphics/photos, page assembly, and other approaches to publication design thinking. Prerequisite: JOUR 201. **Three credit hours.**

JOUR 375.FEATURE AND MAGAZINE WRITING

Writing of feature and other non-fiction articles for publication in newspapers, magazines, and other print media. This course will take a concept, develop it into a manuscript, and show techniques for marketing materials. Prerequisite: JOUR 201. ***Three credit hours.***

LANDER ORIENTATION

LINK 101.LEADERSHIP, INVOLVEMENT, NETWORKING AND KNOWLEDGE

This course provides academic and co-curricular experiences that will establish a firm foundation upon which students can build the skills, knowledge, and values essential for success in higher education and the world beyond. Through the various assignments completed for this course, the goal is that students will develop: 1) the intellectual, skill, and interpersonal competencies necessary for college success; 2) an autonomous and responsible emotional, intellectual, and social integration into college life; 3) a self-determined system of meaning and values; and; 4) a commitment to exploring and pursuing life goals. LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen. (General Education – Core Academic Skills) ***One credit hour.***

LINK 102.SUCCESS IN COLLEGE BEYOND THE FIRST SEMESTER

This course focuses on academic support and resources, social emotional wellness, connectedness, resilience, mindset, and other targeted student needs that enhance the first year experience and beyond. Prerequisite: LINK 101**.** ***One credit hour*.**

LINK 200.SPECIAL TOPICS SEMINAR

This course provides in-depth analysis of topics to enhance the student experience and beyond. Topics may include personal money management; general career readiness including but not limited to interview skills, resume building, and professionalism; basic adult transitional skills and practices such as planning for the future, self care, personal hygiene, and mental health. These skills and practices, not normally taught in the standard college curriculum, focus attention on a more holistic college experience, complementing traditional academic and career-oriented instruction. Course may be repeated for up to four credit hours as the topic changes. Prerequisite: LINK 101. ***One credit hour*.**

LINK 290.PEER LEADER PRACTICUM

By serving as a LINK 101 peer leader, the student will receive practical experience of helping freshmen to adjust to the college experience and be successful. Students will receive training to serve as a peer leader in LINK 101. Topics covered will include: LINK mission, vision, learning outcomes, and course structure; professionalism; leadership skills; communication skills; and stress and time management. This course is to be taken concurrently during the semester serving as a peer leader. Prerequisite: Recommendation by LINK 101 instructor and acceptance as a peer leader required. ***One credit hour*.**

LU 102.UNIVERSITY ORIENTATION 1

This course is designed to provide students an intensive introduction to Lander University and to instruct the student in basic academic skills which are needed in order for one to be successful in college. The one-half hour

course is taught in a format that emphasizes hands-on, in-class academic skills designed to help students from the first day of enrollment. Graded as Pass/Fail. ***One-half credit hour.***

LU 103.UNIVERSITY ORIENTATION 2

This course is designed to provide students a follow-up to LU 102 and to incorporate basic academic skills into the fall term which are needed in order for one to be successful in college. The one-half hour course is taught in a format that emphasizes hands-on, academic skills designed to help students make a seamless transition into college life including taking full advantage of campus resources, monitoring their time management and social activities, and learning how to prioritize their academic responsibilities. Prerequisite: LU 102. ***One credit hour.***

LEADERSHIP DEVELOPMENT

LDSH 101.INTRODUCTION TO LEADERSHIP

Focuses on the "tools" of leadership (communications skills, decision-making, team-building, problem-solving), self-awareness, and action research and actual presentations of leadership project findings and recommendations. ***Two credit hours.***

LLP 101.LEADERSHIP DEVELOPMENT I

This introductory course defines leadership and introduces strategies to identify a personal leadership style and develop leadership skills. This course includes opportunities to practice essential skills such as communication, critical thinking, problem solving, setting and achieving goals, conflict resolution, and empowering people. ***One credit hour.***

LLP 102.LEADERSHIP DEVELOPMENT II

This course further develops and enhances the concepts and skills introduced in LLP 101. The course focuses on how to apply the social change model when confronting organizational change, and how to implement more inclusive leadership practices. Prerequisite: LLP 101. ***One credit hour.***

LLP 103.LEADERSHIP DEVELOPMENT III

This course introduces servant leadership and engagement and explores how to apply the concepts and skills of servant leadership to working and interacting with the larger community. Prerequisites: LLP 101 and LLP 102. ***One credit hour.***

LLP 104. LEADERSHIP DEVELOPMENT IV

This course continues to expand upon leadership concepts and skills from LLP 101, with an emphasis on strategic planning, innovation, and assessment. Through problem-based learning, the course also addresses how to manage organizational growth and change. Prerequisite: LLP 101. ***One credit hour.***

LEG.XXX COURSES

see PARALEGAL STUDIES (page 403-404)

MANAGEMENT

MGMT 201.PRINCIPLES OF MANAGEMENT

This course is a study of contemporary management theories and an analysis of the four basic management functions: planning, organizing, leading, and controlling. The course will focus on how to use these functions for establishing and accomplishing business objectives, as well as how to build skills and gain insight into behavioral issues to more effectively manage and lead while articulating the vision and ethical climate for organizational effectiveness. Areas of investigation include management theories, functions, and global perspectives, organizational environment, motivation, leadership, communication, decision-making, human behavior, operations, and social responsibility. ***Three credit hours.***

MGMT 315.HUMAN RESOURCE MANAGEMENT

This course is designed to expose students to current knowledge related to the best practices in human resource management. This course will discuss the changing economic, business, technological, socio-cultural and political environment and its implications for managing organizations and human resources. Prerequisite: "C" or better in MGMT 201. ***Three credit hours.***

MGMT 320.MANAGEMENT OF SMALL OR FAMILY BUSINESSES

This course focuses on issues and strategies in the management of small businesses or family businesses. Topics include marketing challenges, developing of systems for small or family businesses, developing professional

managers, financing strategies, value enhancement strategies, exit strategies for retirement or wealth creation, succession issues, and critical strategic decisions. For business majors using this course as an elective, additional prerequisites include completion of 42 credit hours, "C" or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. ***Three credit hours.***

MGMT 325.ENTREPRENEURSHIP AND INNOVATION

This course investigates the wealth creation process, business-related motivational literature, considers the difference between entrepreneurship and small business, and evaluates the definition of innovation and its critical role in entrepreneurship. The course will include an exploration of techniques for improving individual capacity for innovation. Strategies for how to identify viable ideas and transform them into businesses are also treated. Prerequisites: "C" or better in ACCT 201, BA 101, MATH 211, and either ECON 101 or ECON 201 or ECON 202. ***Three credit hours.***

MGMT 330.OPERATIONS MANAGEMENT

This course studies the input-conversion-output processes associated with the manufacturing and service sector. Emphasis is placed upon inventory control, quality control, scheduling, facility layout, material requirements planning (MRP), and just-in-time (JIT) inventory systems. Prerequisites: "C" or better in MGMT 201 and ACCT 202. ***Three credit hours.***

MGMT 340.MANAGEMENT OF ORGANIZATIONAL BEHAVIOR

This course provides management students with a framework for understanding how behavior within business organizations is managed. Analyses of situations involving individual and group behavior will be conducted. Special attention will be placed on the development of small and large group theory, interpersonal relations, and achievement of the goals of the enterprise with and through people as individuals and as groups. Areas of investigation include motivation, stress, organizational process, control leadership, and group dynamics. Prerequisite: "C" or better in MGMT 201. ***Three credit hours.***

MGMT 369.SPECIAL TOPICS IN MANAGEMENT

This course allows for the study of management topics which are not a part of the regular course offerings. Special topics will be announced in advance. Course may be repeated up to 3 times provided the topic is different and will count as a business elective or general elective. To repeat the course to improve a grade, the topic must be the same. Prerequisites: "C" or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For non-business majors: Instructor permission. ***Three credit hours.***

MARKETING

MKT 201.PRINCIPLES OF MARKETING

This course introduces the marketing concept and how it interacts with other functional areas of the firm, the larger global economy, and society. Main topics discussed in the course include the marketing mix, segmentation, consumer decision making, product development, marketing research, branding, distribution, and communication strategies that inform overall marketing strategy. ***Three credit hours.***

MKT 305.MARKETING COMMUNICATIONS

An introduction to the principles of integrated marketing communications (IMC) emphasizing the importance of coordinating all of the promotional mix elements. Topics include direct marketing, advertising, personal sales, sales promotions, event sponsorship, public relations, social media, and the internet. Material is applicable to profit, nonprofit, as well as governmental organizations. Prerequisite: "C" or better in MKT 201. ***Three credit hours.***

MKT 340.SOCIAL MEDIA MARKETING

This course explores and evaluates how core marketing and business principles (i.e. segmentation, marketing mix, strategic planning, and selling) are used or have been altered through the increased use of social media. The course emphasizes understanding consumers' social interactions, examining the various social media channels available to marketers, learning how to build social marketing strategies, and practicing how to track their effectiveness. Course goals include gaining the relevant knowledge, perspectives, and practical skills required to develop marketing strategies that leverage the opportunities inherent in social media and consumer-to-consumer social interactions for achieving business and marketing goals. Prerequisites: "C" or better in MKT 201 and junior standing. ***Three credit hours.***

MKT 369.SPECIAL TOPICS IN MARKETING

This course allows for the study of marketing topics which are not a part of the regular course offerings. Course may be repeated up to 3 times provided the topic is different. To repeat the course to improve a grade, the topic must be the same. Prerequisites: "C" or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For non-business majors: Instructor permission. ***Three credit hours.***

MKT 415.MARKETING RESEARCH

This course examines the research methods and techniques applicable to problem solving in marketing. The course emphasizes a management-oriented analysis of marketing phenomena including secondary research, qualitative primary research, survey development, data collection, data analysis, and communicating results. By the end of the course, students will be able to conduct professional-level research needed in today's business environments as well as be able to identify the usefulness of research conducted by others. Prerequisites: "C" or better in MKT 201 and senior standing. ***Three credit hours.***

MKT 420.MARKETING MANAGEMENT

This course utilizes a managerial decision-making approach to examine the role of marketing in creating value for the firm. Special emphasis is placed on the tools of segmentation, targeting, and positioning (STP) to develop an optimal marketing mix and more effective strategy. Effective decision-making skills are developed utilizing market analysis techniques and marketing support functions such as marketing research, marketing communication, and new product development. Marketing knowledge and skills are demonstrated in a marketing plan project. Prerequisites: "C" or better in MKT 201 and senior standing. ***Three credit hours.***

MATHEMATICS

MATH 101.SURVEY OF MATHEMATICS

This course is designed for liberal arts majors. Students will be introduced to non-algebraic mathematical ideas from a variety of fields, such as business, computer science, and the social sciences. Topics may include but are not limited to: routes and networking; scheduling; modular arithmetic and check digit schemes; voting and elections; fair division; and apportionment. (General Education – Scientific and Mathematical Reasoning and Core Academic Skills) ***Three credit hours.***

MATH 114.PRECALCULUS

This course is designed to prepare students for calculus. The course begins with a review of some topics from algebra functions and their graphs including algebraic functions, inverse functions, exponential and logarithmic functions. The remainder of the course is devoted to an introduction to trigonometry. Specific topics from trigonometry include right triangle trigonometry, graphing trigonometric functions, and trigonometric identities and equations. ***Three credit hours.***

MATH 121.MATHEMATICAL APPLICATIONS

This course prepares students for the quantitative reasoning tasks they may encounter in subsequent coursework. It presents a variety of mathematical topics with a focus on their applications. Topics include linear and quadratic functions, systems of linear equations, elementary linear programming, exponential and logarithmic functions, and the mathematics of finance. (The course may not be taken by students who have successfully completed MATH 141). (General Education – Scientific and Mathematical Reasoning and Core Academic Skills) ***Three credit hours.***

MATH 123.CALCULUS AND ITS APPLICATIONS

An intuitive presentation of the concepts of calculus interwoven with numerous real-world applications of mathematical models. Topics include: algebraic, exponential, and logarithmic functions, limits, continuity, derivatives, and integrals. Applications in the Physical, Life and Social Sciences, Business, and Medicine. (Not intended for Mathematics majors. May not be taken by students who have successfully completed MATH 141.) Competence in college level algebra is necessary for successful completion of the course. (MATH 121 or MATH 114 is suggested for those without adequate mathematical background.) (General Education – Scientific and Mathematical Reasoning and Core Academic Skills) ***Three credit hours.***

MATH 125.INTRODUCTION TO DISCRETE MATHEMATICS

Mathematical concepts useful to computer science majors. Topics include number operations, counting principles, sets, relations, functions, arrays, number systems, Boolean algebra, and graph theory. ***Three credit hours.***

MATH 134.INTRODUCTION TO MATHEMATICAL PROOF

This course introduces theoretical mathematics and proof techniques using examples from logic, set theory, number theory, calculus, and algebra. Prerequisite: MATH 141. ***Three credit hours.***

MATH 141.SINGLE VARIABLE CALCULUS I

Limits, continuity, the derivative, the chain rule, implicit differentiation, applications of the derivative, and the Mean Value Theorem. Definite and indefinite integration, the Fundamental Theorem of Calculus, and an introduction to integration through u-substitution. Students must have a thorough knowledge of precalculus such as is covered in MATH 114, including proficiency with algebra and the trigonometric functions. Students without such a background are strongly advised to take MATH 114. (General Education – Scientific and Mathematical Reasoning and Core Academic Skills) ***Four credit hours.***

MATH 142.SINGLE VARIABLE CALCULUS II

This course covers techniques of integration, improper integrals, applications of the integral, infinite sequences and series, power series, Taylor's Theorem, and parametric and polar curves. Prerequisite: "C" or better in MATH 141. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours.***

MATH 200.INTRODUCTION TO MODELING AND SIMULATION

Modeling with differential equations in a variety of fields including Ecology, Physics, Biology, and Business. Qualitative analysis of such models, and approximation via numerical methods and with simulation software. Prerequisites: "C" or better in MATH 121 or MATH 123 or MATH 141. Previous programming experience is recommended. ***Three credit hours.***

MATH 203.MATHEMATICS FOR ELEMENTARY TEACHERS

This course provides some of the content necessary for elementary school teachers. Topics covered include problem solving, intuitive geometry, and measurement. May be taken by only Early Childhood Education, Elementary Education, and Special Education majors. ***Three credit hours.***

MATH 208.APPLIED LINEAR ALGEBRA

This course provides an introductory overview of linear algebra. Topics include vector and matrix algebra, solutions of systems of linear equations, basis and dimension, eigenvalues and eigenvectors, and matrix decompositions. Students will use technology to apply course content to solve problems in business, computing, and the sciences. Prerequisites: CIS 130 and either MATH 123 or MATH 141. ***Three credit hours.***

MATH 211.STATISTICAL METHODS I

This course introduces students to elementary data analysis including graphical methods and descriptive measures; correlation and simple linear regression; the Normal distribution as a model; and the sampling distributions of statistics. Confidence intervals and tests of hypotheses for one mean and one proportion are presented. Bias and sampling plans as well as differences between observational studies and designed experiments are discussed as time allows. (General Education – Scientific and Mathematical Reasoning and Core Academic Skills) ***Three credit hours.***

MATH 212. STATISTICAL METHODS II

This course is a continuation of MATH 211. It covers comparing parameters of two or more populations, analysis of count data by means of multinomial distributions and contingency tables, elementary experimental design, analysis of variance methods, inferences for simple linear regression models, and additional topics as time allows. Students make frequent use of a statistical software package. Prerequisite: MATH 211, or MATH 311, or a comparable course with instructor permission. (General Education – Scientific and Mathematical Reasoning and Core Academic Skills) ***Three credit hours.***

MATH 213.SUPERVISED MACHINE LEARNING

This course is an overview of machine learning techniques that use labeled data to train an algorithm to make predictions about unlabeled data. It provides an introduction to both linear regression and to classification techniques including logistic regression, K-nearest neighbors, support vector machines, tree-based methods, and neural networks. Prerequisites: DSCI 230, MATH 208, and MATH 211. ***Three credit hours.***

MATH 214.UNSUPERVISED MACHINE LEARNING

This course gives an overview of machine learning techniques that are commonly applied to unlabeled data sets. It provides an introduction to the K-means Clustering and Hierarchical Clustering algorithms as well as the use of Principal Component Analysis. Prerequisites: DSCI 230, MATH 208, and MATH 211. ***Three credit hours.***

MATH 241.MULTIVARIABLE CALCULUS

Vectors in R^2 and R^3, functions of several variables, partial differentiation, multiple integrals, applications of multivariable calculus, divergence, curl, line and surface integrals, Green's Theorem and Stokes' Theorem. Prerequisite: "C" or better in MATH 142. ***Four credit hours.***

MATH 242.DIFFERENTIAL EQUATIONS

This course covers basic theory and solutions of ordinary linear differential equations. The course includes applications in mechanics and vibrations as well as power series solutions at ordinary points and at regular singular points. Introduction to Laplace transform methods and systems of ordinary differential equations are also covered. Prerequisites: MATH 241. ***Four credit hours.***

MATH 270/390.TOPICS IN MATHEMATICS AND STATISTICS

This elective course allows for a flexible offering of various mathematical and statistical topics which are not a part of the regular course offerings. Special topics will be announced in advance. This course may be taken for additional credit as the topic changes. To repeat the course to improve a grade; the topic, the course number, and the credit hours must be the same. This course will not be offered more than once a semester. Prerequisite: Instructor permission. ***One to three credit hours.***

MATH 290.MATHEMATICS PRACTICUM

Designed to give students practical experience in tutoring mathematics. Elective credit only. Graded as Pass/Fail. By permission of Department Chair. ***One credit hour.***

MATH 300.NUMERICAL ANALYSIS

An introduction to scientific computing. The use of numerical methods in solving equations, systems of linear equations, and differential equations. Numerical integration. (Cross-listed as CIS 300.) Students are encouraged to take CIS 102 or CIS 202. Prerequisites: MATH 142 ("C" or better) and CIS 130. ***Three credit hours.***

MATH 308.LINEAR ALGEBRA

An introductory study of vector spaces. Topics include systems of linear equations, determinants, matrices, linear transformations, and eigenvalues. Prerequisite: "C" or better in MATH 142. ***Three credit hours.***

MATH 311.MATHEMATICAL STATISTICS

A calculus-based introduction to both the theory and applications of probability and statistics. Topics include elementary data analysis, probability distributions and density functions, estimation, hypothesis testing, and simple linear regression. Students will make frequent use of a statistical software package. Prerequisite: "C" or better in MATH 142 or instructor approval. ***Three credit hours.***

MATH 325.DISCRETE MATHEMATICS

An introduction to the mathematics of enumeration to include counting, inclusion-exclusion, generating functions, and recursion. Basic graph theory (paths, circuits, planarity, trees, colorings) and Boolean algebra. Numerous applications to a wide variety of disciplines such as computer science, engineering, operations research, biology, chemistry, and political science. Prerequisite: "C" or better in MATH 142. ***Three credit hours.***

MATH 350.MATHEMATICS HISTORY

A study of mathematics with a historical perspective. Emphasis on the development of mathematics from ancient to near-modern times. Required for secondary certification mathematics majors. Prerequisite: "C" or better in MATH 142. ***Three credit hours.***

MATH 351.GEOMETRY

A formal study of geometry. Topics include a modern axiomatic development of Euclidean geometry, the historical development of non-Euclidean geometries, proof techniques, constructions, and applications. Prerequisite: "C" or better in MATH 142. ***Three credit hours.***

MATH 390/270.TOPICS IN MATHEMATICS

This elective course allows for a flexible offering of various mathematical and statistical topics which are not a part of the regular course offerings. Special topics will be announced in advance. This course may be taken for additional credit as the topic changes. To repeat the course to improve a grade; the topic, the course number, and the credit hours must be the same. This course will not be offered more than once a semester. Prerequisite: Instructor permission. ***One to three credit hours.***

MATH 421.ABSTRACT ALGEBRA I

An introduction to algebraic systems, groups, rings, integral domains, and polynomial rings. Prerequisites: MATH 134, and a "C" or better in MATH 142. ***Three credit hours***.

MATH 422.ABSTRACT ALGEBRA II

A continuation of MATH 421 including fields, ideals, quotient rings, vector spaces, linear transformations and field extensions. Prerequisite: MATH 421. ***Three credit hours.***

MATH 431.ANALYSIS I

A careful study of real functions of a real variable. Topics include topology of the line, sequences, limits, continuity, differentiation, and the Riemann integral. Prerequisites: MATH 134 and a "C" or better in MATH 241. ***Three credit hours.***

MATH 432.COMPLEX ANALYSIS

An introduction to complex analysis including analytic functions, Cauchy's Theorem and Formula, Taylor and Laurent series, contour integration, and residue calculus. Prerequisite: MATH 241. ***Three credit hours.***

MATH 450.TECHNOLOGY IN SECONDARY MATHEMATICS

This course examines integrating instructional technologies (calculators, data collectors and computers) into the secondary mathematics curriculum. The curriculum focuses on problem solving in Pre-Algebra, Elementary and Advanced Algebra, and Geometry. Prerequisite: Junior or senior status. ***Three credit hours.***

MATH 451.SECONDARY MATHEMATICS METHODS

Strategies and techniques which are essential to the effective teaching of mathematics in secondary schools. Primary topics include planning, presentation, and evaluation. A clinical experience is required. Prerequisites: MATH 241 ("C" or better), EDUC 202, and EDUC 329. Co-requisite: EDUC 429. ***Three credit hours.***

MATH 490.MATHEMATICS INTERNSHIP

Designed to give students practical work experience in a field related to their major. The student will work through an approved agency or business under the supervision of professional employees and a major advisor. Credit hours awarded is determined on a case-by-case basis by the Department Chair and mathematics faculty. Course grade will be determined based on the written evaluations by the field supervisor and written report rendered by the student. Prerequisites: 15 credit hours in major area and instructor permission. Juniors and seniors only. ***One to four credit hours.***

MATH 499.CAPSTONE COURSE–MATHEMATICS

This course is designed to be taken during a student's final spring semester at Lander. It will include a review of some major topics in mathematics, a discussion of topics relevant to careers in mathematics (e.g. resumes and interviewing), and opportunities to communicate mathematical ideas both orally and in a written format. Completion of program assessment requirements is also an integral part of this course and performance on assessment components will be reflected in the course grade. This course is open to all seniors and to juniors who are in the dual-degree engineering program. ***One credit hour***.

MEDIA

MEDA 101.UNDERSTANDING MEDIA

This course is an introduction to the history and critical analysis of media, its impacts, and its methods. A particular emphasis will be placed on the roles and different interactive influences of mass media. (General Education –Humanities and Fine Arts) ***Three credit hours.***

MEDA 110.INTRODUCTION TO MEDIA PRODUCTION

This course is designed to provide students with an introduction to media production systems ranging from microcomputers to broadcast stations. Students will be introduced to industry job descriptions and infrastructures of broadcast stations, commercial production companies, and film crews. Students will also gain hands-on experience with microcomputers to enhance their productivity and efficiency as digital media content creators. ***Three credit hours.***

MEDA 200.MEDIA SKILLS

This course introduces students to key concepts, equipment, technologies, and issues related to communication media. Topics include emerging standards, key technologies and related design issues, terminology, media formats, and ethical issues. Upon completion, students should be able to demonstrate basic competencies in media

equipment and production technology for presentations, audio, print, photography, video and web communication. Prerequisites: MEDA 101. ***Three credit hours.***

MEDA 201.FOUNDATIONS OF PRODUCING AND DIRECTING

This course examines the various aspects of production strategies, such as planning, execution, and communication. Topics include fiscal resources, talent management, scheduling, artistic vision, and directing onscreen actors. Prerequisites: MEDA 101, MEDA 110, and one of the following writing courses: MEDA 261, or MEDA 390, or JOUR 201. ***Three credit hours.***

MEDA 202.RADIO PRODUCTION

This course presents theory and provides practice in the operation and management of a radio station. Production laboratories and visits to radio stations are required. Prerequisite: MEDA 200 and either SPCH 201 or SPCH 302. ***Three credit hours.***

MEDA 204.COMMUNICATIONS DESIGN

This course introduces the study and application of media design principles including basic design principles, typography, color, photography, video, and multimedia. Explorations will focus on the entire design process during this course, including idea development, research, production and presentation. ***Three credit hours.***

MEDA 209.AUDIO PRODUCTION I

This course introduces sound recording history, digital recording equipment, digital audio workstations, and standard protocols for various audio applications. Prerequisites: MEDA 101 and MEDA 200. ***Three credit hours.***

MEDA 210.TELEVISION APPRECIATION

This course analyzes the cultural and artistic significance of television's prehistory, the Network Era, the Cable Era, and the Digital Era. It also examines television's growth into a convergent technology, a global industry, a social catalyst, and a legitimate art form. (General Education – Humanities and Fine Arts) ***Three credit hours.***

MEDA 215.SPORTS MEDIA AND SOCIETY

This course will cover the relationships between the sports industry, athletes, media, and the audience. Students will learn about the evolution of sports media from the early sportswriters to athletes and teams controlling their own message on social media. Course content includes various mediums – newspapers, magazines, books, radio, TV, online, blogs, social media – in terms of history, function, impact, and ethical implications. (General Education –Humanities and Fine Arts) ***Three credit hours.***

MEDA 219.COMMUNICATIONS PHOTOGRAPHY

This course explores the practical techniques of digital photography as a communication medium, with an emphasis on the creative use of camera controls, exposure, digital imaging software, and image presentation. The course concentrates on assignments, critiques, demonstrations, lectures and personal projects to provide a foundation for creatively experiencing the photographic medium. A digital SLR camera with manual exposure is recommended. ***Three credit hours.***

MEDA 240.TELEVISION NEWS REPORTING

This introduces television production techniques including writing, videography, and video editing. The emphasis is on learning the legal, theoretical, and practical requirements of producing television news. Prerequisites: MEDA 101 and JOUR 201, or instructor permission. ***Three credit hours.***

MEDA 261.BROADCAST WRITING

This course explores the writing and reporting skills needed for radio, television, and other electronic media. Assignments include opportunities to write copy and scripts according to standard industry formats, and create scripts for news, feature or sports programs, and promotional materials such as PSAs and commercials. Techniques for selecting video and sound bites for their stories will also be presented. Prerequisite: MEDA 101. ***Three credit hours.***

MEDA 290.MEDIA PRACTICUM

An on-campus internship designed to give students a practical, co-curricular work experience under the direct supervision of a professional in the student's area of interest. Course may be repeated for no more than 6 credit hours total credit. Prerequisites: JOUR 201 and permission of advisor and campus supervisor. ***One to three credit hours.***

MEDA 301.SPECIAL TOPICS IN MASS COMMUNICATION

This course focuses on selected topics in mass communication. Topics are chosen to address a subject that is not normally covered in the curriculum or to provide additional in-depth study on a particular topic. Prerequisite: MEDA 101. ***Three credit hours.***

MEDA 304.BROADCAST GRAPHICS

This project-based course introduces broadcast design history, motion media, and modern techniques of broadcast graphic design native to non-linear editing software. Prerequisites: MEDA 204, MEDA 310, and either MEDA 202 or MEDA 209. ***Three credit hours.***

MEDA 310.DIGITAL VIDEO PRODUCTION

This course introduces students to the fundamentals of digital video production. Students will learn the technological, aesthetic, and theoretical basics of video production and will produce 3 short videos. Students will experience hands-on technical training in scriptwriting, storyboarding, camera operations, non-linear editing, lighting, and sound equipment. Prerequisites: MEDA 101, MEDA 200, and JOUR 201. ***Three credit hours.***

MEDA 311.THE ART OF THE PODCAST

Students will examine the art form of the podcast by discussing, evaluating, and anatomizing some of the best works in that genre—including podcasts that speak to their individual lives, philosophies, careers, and interests. Students will also explore the hands-on production of podcasts to apply their understanding of audio storytelling. Students will gain basic audio production skills, develop an "ear" for aesthetically pleasing production, and gain a good working knowledge of podcasting/audio story telling. (General Education – Humanities and Fine Arts) ***Three credit hours.***

MEDA 312.ADVANCED AUDIO PRODUCTION

This course teaches advanced skills in the area of audio production, specifically in the hands-on production of commercials, PSAs, radio features, news stories, and specialty programs. The course provides the opportunity to participate in on-air duties on XLR (the Lander University campus radio station). The course introduces advanced audio production protocols; explores how to develop an "ear" for aesthetically pleasing production, and thoroughly examines the various radio formats. Prerequisite: MEDA 202 or MEDA 209. ***Three credit hours.***

MEDA 315.MULTIMEDIA SPORTS JOURNALISM

This course provides instruction and training in sports information gathering and writing, interviewing and reporting. Students will focus on sports writing skills, basic sports production for radio, generation of sports journalism for radio and the internet, and ethics and values of quality sports reporting. Prerequisites: JOUR 201 and MEDA 200. ***Three credit hours.***

MEDA 316.TOPICS IN SPORTS MEDIA

This course focuses on selected topics in sports media. Topics are chosen to address a subject that is not normally covered in the curriculum or to provide additional in-depth study on a particular topic. This course may be repeated for additional credit as topics change. Prerequisite: MEDA 215. ***Three credit hours.***

MEDA 341.INTRODUCTION TO PUBLIC RELATIONS

This class examines the history, principles and practice of public relations. It also acquaints students with the tools, techniques and strategies of the profession. Prerequisite: MEDA 101. ***Three credit hours.***

MEDA 342.PR COMMUNICATIONS

This class is designed to develop the professional-level communication skills expected of public relations practitioners. Students will learn fundamental concepts of public relations communications and will create products including PR plans, speeches, press releases, fact sheets, newsletters, brochures, webpages and media kits. Presentation skills will also be emphasized. Prerequisites: SPCH 101 and MEDA 341. ***Three credit hours.***

MEDA 343.PR CASES AND CAMPAIGNS

Students will develop an understanding of theoretical and applied principles of public relation campaigns and programs by examining successful and unsuccessful PR cases. They will use this knowledge to create a comprehensive public relations campaign. Prerequisite: MEDA 341. ***Three credit hours.***

MEDA 345.ADVERTISING STRATEGIES AND DESIGN

This course will concentrate on brand identity and targeted advertising across multiple media outlets. Students will explore the fundamental principles of branding, placement, and digital solutions. Students will learn how to strategically utilize each medium into a singular campaign that will be presented at the end of the course. Prerequisite: MEDA 204 or MEDA 341. ***Three credit hours.***

MEDA 346.DIGITAL CINEMATOGRAPHY

This project-based class builds on existing knowledge of camera and light systems and covers topics such as composition, lens selection, lighting, and advanced camera movement. Prerequisites: MEDA 201 and MEDA 310, or instructor permission. ***Three credit hours.***

MEDA 350.WEB DISTRIBUTION

This class explores and develops fundamental website design principles and protocols for creative content distribution. The course will critically examine historic distribution models, including the advent of online distribution and provides the opportunity to evaluate and apply design principles to original work. Prerequisite: MEDA 204 or JOUR 203. ***Three credit hours.***

MEDA 351.SOCIAL MEDIA

This course will examine today's evolving world of social media communication, focusing on the unique features and benefits of today's most widely used platforms. Topics will include search engine optimization, social media research, consumer behavior, strategic planning, and social media campaigns. Prerequisite: MEDA 101. ***Three credit hours.***

MEDA 360.WRITING FOR MULTIPLE MEDIA

This course explores the principles and practices of writing across the media, with a focus on the elements of good journalism. Students will complete assignments on gathering, writing and presentation of news and information suitable for publication in multiple media. Students will also analyze various multimedia products. Prerequisite: JOUR 201 or instructor permission. ***Three credit hours.***

MEDA 370.DOCUMENTARY FILMS

This course traces the evolution of documentary filmmaking from the early 20th century to present day. The class will discuss the variety of styles that are used making documentaries. Prerequisites: ENGL 102 with a "C" or better. (General Education – Humanities and Fine Arts) ***Three credit hours.***

MEDA 371.INTERNATIONAL FILMS

This course introduces students to select international films and directors. This course examines the cultural, historical, and cinematic influences of these directors and films. Prerequisite: ENGL 102 with a "C" or better. (General Education – Humanities and Fine Arts) ***Three credit hours.***

MEDA 372.GREAT FILM DIRECTORS

This course highlights and examines in detail the careers of the most renowned directors in film history. Students will learn about and discuss the different styles and approaches by these directors. Prerequisite: ENGL 102 with a "C" or better. (General Education –Humanities and Fine Arts) ***Three credit hours.***

MEDA 380.SPECIAL TOPICS IN GLOBAL MEDIA

This course will examine special topics related to global media or global media issues. Course topics will change from year to year. Special topics and requirements will be announced in advance and this course may be repeated for additional credit as the topic changes. Prerequisite: ENGL 102. Junior/senior status recommended. (General Education – Humanities and Fine Arts) ***Three credit hours.***

MEDA 390.SCRIPTWRITING

This course explores the mechanics and formats for stage, television/film, and radio writing with practical application achieved through the production of scripts. All students will be required to complete a short script. Scripts will receive public readings and selected short script(s) will be produced in the appropriate media. Prerequisite: ENGL 102. ***Three credit hours.***

MEDA 401.SPECIAL TOPICS IN DIGITAL MEDIA PRODUCTION

This course focuses on specific topics in digital media and non-traditional production. Topics address a subject that is not normally covered in the curriculum or that provide additional in-depth study on a particular topic. This course may be repeated for a maximum of 6 credit hours as the topic changes. Prerequisites: MEDA 202 and MEDA 310, or instructor permission. ***Three credit hours.***

MEDA 402.SHORT FILM PRODUCTION

This course entails the creation of short, narrative films to be submitted to film festivals. The course is structured to operate within a film team dynamic, and specific production roles are assigned. Prerequisites: MEDA 310 and either MEDA 202 or MEDA 209, or instructor permission. ***Three credit hours.***

MEDA 403.ADVANCED BROADCAST GRAPHICS

Specific hardware and software, will be used to design and deploy original graphics packages for use in a variety of broadcast scenarios including live streams. Prerequisite: MEDA 304 or instructor permission**.** ***Three credit hours.***

MEDA 410.ADVANCED DIGITAL VIDEO PRODUCTION

This course provides hands-on experience in the application of techniques of television and video production. Course assignments include the team-based production of short films and informational videos. Prerequisites: MEDA 240 or MEDA 310, or instructor permission. ***Three credit hours*.**

MEDA 421.SEMINAR IN MEDIA LAW AND ETHICS

Study of the history of mass communication law as well as a focus on contemporary legal and ethical issues. A research paper is required. Prerequisite: MEDA 101. ***Three credit hours.***

MEDA 450.ADVANCED TELEVISION PRODUCTION

The emphasis is on the techniques of live studio news production. Students study the process of producing and directing studio camera operations and television news writing. Prerequisites: MEDA 310. ***Three credit hours.***

MEDA 460.EMERGING MEDIA

This course explores emerging tools and practices of the constantly evolving media environment. Assignments include research into emerging media technology and the hands-on application of that research. Prerequisites: JOUR 201, MEDA 202, and MEDA 310 or instructor permission. ***Three credit hours.***

MEDA 490.STUDENT MEDIA INTERNSHIP

This on-campus internship is designed to give students a practical, co-curricular work experience under the direct supervision of a faculty advisor for The Forum Student Newspaper, XLR Lander Radio, the Lander Film Festival, or LUX Studios. The course may be repeated for no more than six total credit hours toward the Media and Communication major. Prerequisite: Instructor permission. ***One to three credit hours*.**

MEDA 491.INTERNSHIP IN MEDIA AND COMMUNICATION

This internship is designed to give the student a practical work experience under the supervision of a professional. A student will work through an approved agency, business, or academic environment under the supervision of one of its professional employees and designated professor. Suitable positions determine availability of internships. Prerequisite: Junior/senior standing or instructor permission. ***One to six credit hours*.**

MEDA 498.DIGITAL MEDIA PRODUCTION EXIT PROJECT

This course challenges students to focus their cumulative knowledge and skill on an individualized capstone project that meets program standards. A panel of department professors, peers, and/or external reviewers will evaluate the work. This class is reserved for junior and senior level students who have completed more than 50 hours in the degree program. Graded pass/fail. ***Two credit hours*.**

MEDA 499.SENIOR CAPSTONE

This is a senior capstone course addressing topics including exploration of careers and graduate schools for mass communications and media, professionalism, and preparation of resumes and portfolios. There is also a research project and an exit assessment evaluation. Restricted to Mass Communications and Media Studies majors with senior status. ***One credit hour.***

MILITARY SCIENCE AND LEADERSHIP

MSL 101.LEADERSHIP PERSONNEL DEVELOPMENT

This course introduces the competencies necessary for effective leadership as well as the personal challenges posed by leadership. The course focuses on the development of personal life skills such as critical thinking, goal setting, time management, physical fitness, and stress management, and on how these skills relate to leadership, officership, and the Army profession. No military obligation is incurred for non-contracted students. Two hours lecture weekly. Co-requisite for contracted cadets: MSL 101L. ***Two credit hours***.

MSL 101L.BASIC LEADERSHIP LABORATORY I

ROTC leadership laboratories unite all elements of classroom instruction in field training, focusing on basic knowledge and comprehension of Army leadership dimensions. This freshman-level laboratory is designed to introduce drill and ceremony, marksmanship, land navigation, first aid, small unit tactics, obstacle course training, and water survival. This course is required for contracted cadets. No military obligation is incurred for non-contracted students. Three hours off-campus lab weekly. Co-requisite: MSL 101. ***One credit hour***.

MSL 102.FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP

This course reinforces and further develops the leadership themes introduced in MSL 101, with a special focus on the basic processes of communication and the importance of developing skills to communicate effectively in the Army. No military obligation is incurred for non-contracted students. Two hours lecture weekly. Co-requisite for contracted cadets: MSL 102L. ***Two credit hours*.**

MSL 102L.BASIC LEADERSHIP LABORATORY I

ROTC leadership laboratories unite all elements of classroom instruction in field training, focusing on basic knowledge and comprehension of Army leadership dimensions. This freshman-level laboratory is designed to introduce drill and ceremony, marksmanship, land navigation, first aid, small unit tactics, obstacle course training, and water survival. This course is required for contracted cadets. No military obligation is incurred for non-contracted students. Three hours off-campus lab weekly. Co-requisite: MSL 102. ***One credit hour*.**

MSL 201.INNOVATIVE TEAM LEADERSHIP

This course explores creative and innovative tactical leadership styles and strategies. Two historical leadership theories are examined – trait theory and behavior theory; these theories form the basis of the Army leadership framework. Personal motivation and team building skills are developed through participation in leadership labs as well as in the planning, execution, and assessment of team exercises. No military obligation is incurred for non-contracted students. Two hours lecture weekly. Co-requisite for contracted cadets: MSL 201L. ***Two credit hours*.**

MSL 201L.BASIC LEADERSHIP LABORATORY II

The laboratory exercises of this course reinforce and further develop the principles and skills introduced in Basic Leadership Laboratory I, bringing together all elements of classroom instruction in field training, focusing on knowledge and comprehension of Army leadership dimensions. This sophomore-level laboratory is designed to reinforce and refine drill and ceremony, marksmanship, land navigation, first aid, small unit tactics, obstacle course training, and water survival. This course is required for contracted cadets. No military obligation is incurred for non-contracted students. Three hours off-campus lab weekly. Co-requisite: MSL 201. ***One credit hour.***

MSL 202.ARMY DOCTRINE AND TEAM DEVELOPMENT

This course focuses on the competencies related to team development and Army doctrine. The course emphasizes Army values, teamwork, the warrior ethos, and their relationship to the philosophy of military service and the Law of Land Warfare. Team building exercises concentrate on the ability to lead and follow through, and are facilitated by MSL III Cadets and supervised by Cadre. No military obligation is incurred for non-contracted students. Two hours lecture weekly. Co-requisite for contracted cadets: MSL 202L. ***Two credit hours*.**

MSL 202L.BASIC LEADERSHIP LABORATORY II

The laboratory exercises of this course reinforce and further develop the principles and skills introduced in previous Basic Leadership Laboratories, bringing together all elements of classroom instruction in field training, focusing on knowledge and comprehension of Army leadership dimensions. This sophomore-level laboratory is designed to reinforce and refine drill and ceremony, marksmanship, land navigation, first aid, small unit tactics, obstacle course training, and water survival. This course is required for contracted cadets. No military obligation is incurred for non-contracted students. Three hours off-campus lab weekly. Co-requisite: MSL 202. ***One credit hour.***

MSL 301.TRAINING MANAGEMENT AND THE WARFIGHTING FUNCTIONS

This course provides advanced study, practice, and application of Army leadership and officership skills, Army values and ethics, professional development, and small unit tactics at the platoon level. The course focuses on planning, coordinating, navigating, motivating, and leading a squad and platoon in the execution of a mission during a classroom PE, a leadership lab, or during a Field Training Exercise (FTX). During the semester, periodic evaluation of peers' leadership abilities and how to improve them is given and received. Further feedback on leadership attributes, values, and core competencies is provided by the instructor, other ROTC cadre, and MSL IV

cadets, according to the Cadet Officer Evaluation Report (COER). This course serves as preparation for Summer ROTC Advanced Camp held in Fort Knox, KY. Three hours lecture, 3 hours off-campus lab weekly. Prerequisites: MSL 101, MSL 102, MSL 201, and MSL 202 or four years of high school JROTC or completion of the U.S. Army Basic Training or Cadet Command Basic Camp. Co-requisite: MSL 322. ***Four credit hours.***

MSL 302.APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS

This course focuses on applied leadership in small unit operations. Cadets will study, practice, and apply the fundamentals of direct level leadership and small unit tactics at the platoon level. At the conclusion of this course, Cadets will be capable of planning, coordinating, navigating, motivating, and leading a platoon in the execution of a mission. The course includes weekly labs held off campus using peer facilitation overseen by MSL Ivs, supervised by ROTC Cadre. Successful completion of this course will help prepare Cadets for the Cadet Summer Training Advance Camp held in the summer at Fort Knox, KY. (3 hrs. classroom, 3 hrs. lab, weekly). Prerequisite: MSL 301. ***Four credit hours.***

MSL 322.ARMY PHYSICAL FITNESS ROTC

Physical fitness training laboratories develop, maintain, and improve the high levels of physical strength and stamina required to be a successful Army officer. Training includes basic nutrition, distance running, muscular strength and endurance, flexibility, and recreational activities. Other coursework includes planning daily activities and leading training events, focusing on form and endurance for maximum training effectiveness. Proper Army performance procedure provides the standards for evaluation, including a monthly Army Physical Fitness Test. Three hours lab weekly. Credit is awarded only once, although contracted cadets in ROTC must take this course each academic term. ***One credit hour.***

MSL 371.SPECIAL TOPICS IN MILITARY SCIENCE AND LEADERSHIP

This is a special theme course that may include experimental and interdisciplinary courses, special trips, and research topics. This course can be repeated for additional credit as the topic changes. Prerequisites: Sophomore status or above and instructor permission. ***One to three credit hours.***

MSL 401.THE ARMY OFFICER

This is a senior-level course that focuses upon development of the Army Officer. Cadets develop knowledge, skills, and abilities to plan, resource, and assess training at the small unit level. Cadets learn about Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities. At the conclusion of this course, Cadets will be familiar with how to plan, prepare, execute, and continuously assess the conduct of training at the company or field grade officer level. This course includes a weekly lab held off-campus overseeing MSL III lesson facilitation and supervised by ROTC Cadre. (3 hrs. classroom, 3 hrs. lab, weekly). Prerequisite: MSL 302. ***Four credit hours.***

MSL 402.COMPANY GRADE LEADERSHIP

This senior-level course develops knowledge, skills, and abilities required of junior officers pertaining to the Army in Unified Land Operations and Company Grade Officer roles and responsibilities. The Oral Practicum explores how Cadets will be prepared for the 20 Army Warfighting Challenges (AWFC) covered throughout the ROTC Advanced Course. Successful completion of this course will help prepare Cadets for BOLC B course and is a mandatory requirement for commissioning. This course includes a weekly lab held off-campus overseeing MSL III lesson facilitation and supervised by ROTC Cadre. Prerequisite: MSL 401. (3 hrs. classroom, 3 hrs. lab, weekly). Prerequisite: MSL 401. ***Four credit hours.***

MSL 490.INTERNSHIP

The student will serve as the ROTC Department Assistant Operations Officer for one of several specified Military Staff Functions: Administration, Staff Operations, Logistics, Civil Military Relations, Physical Fitness, Information Management and Operations, or Recruiting. The student will assist in the development and maintenance of an 18-24 month calendar and will be responsible for assisting in the planning coordination and execution of scheduled activities. The student will plan and coordinate with the Professor of Military Science to determine the location of the internship and schedule necessary conferences throughout the term. The student will prepare and submit a final written report of the internship project. Prerequisite: Permission of the Professor of Military Science. This course may be repeated for additional credits with the permission of the Professor of Military Science. ***One to four credit hours.***

MONTESSORI

See pages 355-356.

MUSIC

MUSI 003.STRING ENSEMBLE
Reading and performance experiences of literature for small ensembles of homogeneous and heterogeneous stringed instruments. Open to all string instrumentalists by invitation or audition. May be repeated for additional credit. ***One credit hour.***

MUSI 004.PIANO ENSEMBLE
Reading and performance of accompaniments, chamber music, duets, and literature for multiple keyboards. Open to all students by audition or invitation. May be repeated for additional credit. ***One credit hour.***

MUSI 005.GUITAR ENSEMBLE
Reading and performance experiences of guitar ensemble music from all musical periods. Studied works from duets to full guitar ensemble. Open to all students by audition or invitation. May be repeated for additional credit**.** ***One hour credit.***

MUSI 006.BRASS ENSEMBLE
Reading and performance experiences of brass chamber music. Works studied range from duets to full brass ensemble. Open to all students by audition or invitation. May be repeated for additional credit. ***One credit hour.***

MUSI 007.PERCUSSION ENSEMBLE
Reading and performance of percussion ensemble music. Open to all students by audition or invitation. May be repeated for additional credit. ***One credit hour.***

MUSI 008.WOODWIND ENSEMBLE
Studies original and transcribed chamber music for small ensembles of homogeneous and heterogeneous woodwind instruments. Open to all woodwind instrumentalists by invitation or audition. May be repeated for additional credit. ***One credit hour.***

MUSI 009.JAZZ COMBO
Study and performance of jazz repertoire and improvisation. Open to all students by audition or invitation. May be repeated for additional credit. ***One credit hour.***

MUSI 017.RECITALS AND CONCERTS
A course to expose music majors to a variety of music literature and performers. Required of music majors each semester enrolled as a full time student. Not to exceed seven semesters. Graded pass/fail. ***No credit.***

MUSI 101.INTRODUCTION TO MUSIC
An introductory course in listening, with accompanying discussion of the historical-cultural aspects of the art of music. This course is intended for non-music majors. General Education – Humanities and Fine Arts) ***Three credit hours.***

MUSI 111, 112.FIRST-YEAR THEORY
A study of the principles of tonal harmony including notation, intervals, key signatures, scales, triads and seventh chords and their inversions, part-writing, non-harmonic tones and rhythm. Analytical and compositional skills are explored. Generally taken in conjunction with MUSI 113-114. Prerequisite: "C" or better in MUSI 111 is a prerequisite for MUSI 112. ***Three credit hours each.***

MUSI 113, 114.FIRST-YEAR THEORY APPLICATIONS
Applications of the melodic, harmonic, and rhythmic fundamentals of music through sight singing, ear training, keyboard harmonization, and composition. Includes use of computer tutorials. Generally taken in conjunction with MUSI 111-112. Prerequisite: "C" or better in MUSI 113 is a prerequisite for MUSI 114. ***One credit hour each.***

MUSI 123.PIANO CLASS I
Introductory course for the study of proper keyboard technique. Piano classes I-IV comprise a sequential course of study of piano materials, methods, and techniques. Non-music majors may enroll on a space available basis. Offered in fall semester. ***One credit hour.***

MUSI 124.PIANO CLASS II
See MUSI 123. Prerequisite: MUSI 123 or instructor permission. Offered in spring semester. ***One credit hour.***

MUSI 125.VOICE CLASS I

Introductory course for the study of proper singing technique. Voice Classes I-IV comprise a sequential course of study of vocal materials, methods, and techniques. Non-music majors may enroll on a space available basis. Offered in fall semester. ***One credit hour.***

MUSI 126.VOICE CLASS II

See MUSI 125. Prerequisite: MUSI 125 or instructor permission. Offered in spring semester. ***One credit hour.***

MUSI 131.STRINGS AND WOODWINDS

Characteristics and techniques peculiar to bowed stringed and woodwind instruments. For music majors. ***One credit hour.***

MUSI 132.BRASS AND PERCUSSION

Characteristics and techniques peculiar to brass and percussion instruments. For music majors. ***One credit hour.***

MUSI 141.UNIVERSITY SINGERS

Mixed chorus. Studies of choral music of all style periods. Presents campus and area concerts. Open to all students without audition. Required ensemble for voice and keyboard students. May be repeated for additional credit. ***One credit hour.***

MUSI 142.OLD MAIN SINGERS

A small vocal ensemble which performs choral literature of diverse musical styles ranging from Renaissance motets to contemporary pop songs as well as standard ballads and Broadway show tunes. Presents short concerts on campus and in the community. Open to all students by audition only. May be repeated for additional credit. ***One credit hour.***

MUSI 143.CHAMBER STRINGS

Studies in string orchestral literature of different historical periods. Presents campus performances. Open to students with string/instrumental experience. May be repeated for additional credit. ***One credit hour.***

MUSI 144.PEP BAND

Students will study and perform music for basketball band. The course is open to all students by audition or invitation and may be repeated for additional credit. Graded Pass/Fail. ***Zero to one credit hour.***

MUSI 145.JAZZ ENSEMBLE

A contemporary music ensemble utilizing the normal big band instrumentation of saxophones, trumpets, trombones, and rhythm section. Presents concerts on campus and in the community. Open to instrumentalists by audition or invitation. May be repeated for additional credit. ***One credit hour.***

MUSI 146.INTRODUCTION TO JAZZ IMPROVISATION

Introduction to the language of jazz improvisation including nomenclature, chord progressions, scales, melodic development, transcription, and application to standard jazz repertoire. Prerequisite: Music major/minor or consent of instructor. ***Two credit hours.***

MUSI 149.WIND ENSEMBLE

Studies concert band/wind ensemble literature of all historical periods. Presents campus and tour concerts. Open to all students with instrumental experience. Required ensemble for instrumental students. May be repeated for additional credit. ***One credit hour.***

MUSI 201.INTRODUCTION TO MUSIC HISTORY

An introduction to the study of western art music with listening and analysis of works from the Middle Ages to contemporary times. Study of the relation of music to the history of western civilization and the other arts. Survey of principal composers' biographies. Discussion of primary genres and forms. (General Education – Humanities and Fine Arts) ***Three credit hours.***

Because of similarity of content, MUSI 201 may be taken in place of MUSI 101 by students of other majors. Students should confer with the course instructor if interested. Students must choose either course; it is not possible to earn credit from both courses.

MUSI 211, 212.SECOND-YEAR THEORY

A continuation of Music 111-112 with emphasis on non-dominant seventh chords, chromatic harmony, modulation, part-writing, counterpoint, formal analysis, atonal analysis skills, and 20th century styles. Generally

taken in conjunction with MUSI 213-214. Prerequisite: "C" or better in MUSI 112 is a prerequisite for MUSI 211; "C" or better in MUSI 211 is a prerequisite for MUSI 212. ***Three credit hours each.***

MUSI 213,214.SECOND-YEAR THEORY APPLICATIONS

A continuation of 113-114 with emphasis on harmonic dictation, keyboard harmonization, jazz chords, sequencing, composition, sight singing. Includes use of computer tutorials. Generally taken in conjunction with MUSI 211-212. Prerequisite: "C" or better in MUSI 114 is a prerequisite for MUSI 213; "C" or better in MUSI 213 is a prerequisite for MUSI 214. ***One credit hour each.***

MUSI 222.MATERIALS AND METHODS K-8

A study of materials and methods used by the music specialist in the elementary and middle school, including current trends in the inclusion of the techniques of Orff, Kodaly and others into the traditional approaches. Students are introduced to computer assisted technology in the elementary music classroom. Prerequisite: MUSI 112, 114. ***Two credit hours.***

MUSI 223.PIANO CLASS III

See MUSI 123. Prerequisite: MUSI 124 or instructor permission. Offered in fall semester. ***One credit hour.***

MUSI 224.PIANO CLASS IV

See MUSI 123. Prerequisite: MUSI 223 or instructor permission. Offered in spring semester. ***One credit hour.***

MUSI 225.VOICE CLASS III

See MUSI 125. Prerequisite: MUSI 126 or instructor permission. Offered in fall semester. ***One credit hour.***

MUSI 226.VOICE CLASS IV

See MUSI 125. Prerequisite: MUSI 225 or instructor permission. Offered in spring semester. ***One credit hour.***

MUSI 302.MUSIC COMPOSITION

Active and interactive study and participation in the creative process of the composition of original musical works. Putting into practice on an aesthetic and intrinsic level those skills and theoretical practices learned in music theory courses. Prerequisites: MUSI 212 and 214 (Second Year Theory) or instructor permission. May be taken up to four times with instructor permission. ***Two credit hours.***

MUSI 303, 304.CONDUCTING

Fundamental principles of theoretical and applied aspects of conducting. Applications of principles and techniques to both choral and instrumental ensembles. Applied lab experiences. Prerequisites for MUSI 304 are MUSI 303 and 311. ***Four credit hours.***

MUSI 311.ORCHESTRATION

A study of the treatment of instruments of the band and orchestra in regard to range, tone quality and appropriate use of ensembles. Includes practice in arranging and scoring for the school band and orchestra. Prerequisites: MUSI 212, 214. ***Two credit hours.***

MUSI 315.METHODS OF TEACHING CHORAL MUSIC

This course addresses the basic principles of organization and administration of a complete school choral program at both the elementary and secondary levels. Clinical observations in school settings are required. This is a required course for students pursuing music, K-12 teacher certification with a choral emphasis and for students pursuing music, K-12 teacher certification with a keyboard emphasis. Students are introduced to the use of computer technology for classroom instruction. Prerequisites: MUSI 212, MUSI 214, and EDUC 203. Offered in fall semester as needed. ***Three credit hours*.**

MUSI 317.METHODS OF TEACHING INSTRUMENTAL MUSIC

This course addresses the basic principles of organization and administration of a complete school choral program at both the elementary and secondary levels. Clinical observations in school settings are required. This is a required course for students pursuing music, K-12 teacher certification with an instrumental emphasis. Students are introduced to the use of computer technology for classroom instruction. Prerequisites: MUSI 212, MUSI 214, and EDUC 203. Offered in fall semester as needed. ***Three credit hours*.**

MUSI 318.METHODS OF TEACHING ORCHESTRAL MUSIC

This course addresses the basic principles of organization and administration of a complete school choral program at both the elementary and secondary levels. Clinical observations in school settings are required. This is a required course for students pursuing music, K-12 teacher certification with an instrumental emphasis. Students

are introduced to the use of computer technology for classroom instruction. Prerequisites: MUSI 212, MUSI 214, and EDUC 203. ***Three credit hours.***

MUSI 322.INTEGRATED ARTS INSTRUCTIONAL STRATEGIES: MUSIC

Elementary education students (grades 2-6) learn to (1) develop a unit of instruction integrating instructional strategies of music and science pedagogy, (2) use music as a primary means of communication as well as (3) use music to make connections with other arts disciplines. Prerequisite: Restricted to Early Childhood, Elementary, and Special Education majors. Co-requisite: Taken concurrently with EDUC 322. ***One credit hour.***

MUSI 333.MUSIC OF THE WORLD

This course examines the influence and evolution of non-Western musical styles, the cultural values associated with musical practices, and the interaction between music and dance, theater, visual art, religion, and politics. Because musical examples will come from recordings, students do not need to be able to read music to take the class. The course's goals include knowledge about other cultures' modes of expression, the ability to distinguish music from culturally distinct parts of the world, and understanding of the relationships between world musical traditions and systems of patronage, colonialism, cultural appropriation, and the commercial music industry. Prerequisite: Junior or senior status. (General Education – World Cultures and Humanities and Fine Arts) ***Three credit hours.***

MUSI 342.MUSIC OF ANTIQUITY, MIDDLE AGES, AND RENAISSANCE

A survey of western art music from 800 B.C. to 1600 A.D. Topics include music of ancient Greece and Rome; sacred music from the early Christian period through the Reformation; secular music from early monophony through the madrigal; the rise of instrumental music. Study of current bibliography. Emphasis on listening and analysis. Prerequisite: "C" or better in MUSI 201. ***Three credit hours.***

MUSI 343.MUSIC OF THE BAROQUE AND CLASSIC

A survey of western art music from 1600 through the death of Beethoven. Discussion of principal composers, genres, and styles; detailed analysis of representative works. Study of current bibliographic materials. Prerequisite: "C" or better in MUSI 201. ***Three credit hours.***

MUSI 344.MUSIC OF THE 19TH AND 20TH CENTURIES

A survey of western art music from the death of Beethoven through the present day. Discussion of principal composers, genres, and styles; detailed analysis of representative works. Emphasis on analysis techniques for contemporary idioms. Study of current bibliographical materials. Prerequisite: "C" or better in MUSI 201. ***Three credit hours.***

MUSI 345.MUSIC OF ANTIQUITY, MIDDLE AGES, RENAISSANCE, AND BAROQUE

This course provides a survey of western art music from 800 B.C. to 1750 A.D. Students consider principal composers, genres, and styles and perform detailed analysis of representative works. Students also study bibliographic materials. Prerequisite: "C" or better in MUSI 201. ***Three credit hours.***

MUSI 346.MUSIC OF THE CLASSIC, 19TH, 20TH, AND 21ST CENTURIES

This course provides a survey of western art music from1750 through the present day. Students examine principal composers, genres, and styles and perform detailed analysis of representative works with emphasis on contemporary idioms. Students also study bibliographic materials. Prerequisite: "C" or better in MUSI 201. ***Three credit hours.***

MUSI 371.TOPICS IN MUSIC

These special courses in music are to be announced by the department and will include subjects not offered as a part of the existing music curriculum. These courses are not sequential. ***One to three credit hours.***

MUSI 376.TOPICS IN MUSIC HISTORY

This course focuses on selected topics in music history and includes subjects not offered as a part of the existing music curriculum. This course may be repeated for additional credit as the topic changes. (General Education – Humanities and Fine Arts) ***Three credit hours.***

MUSI 377.HISTORY OF JAZZ

This course examines the history of jazz, from its African roots and the 19th century precursors to the present time. The course includes a survey of performing artists, groups, and genres, including African-American folk forms, ragtime, New Orleans, swing, Latin jazz, bebop, and other movements. Special attention will be given to pivotal

figures in the history of jazz. Guided listening will build understanding of the form and structure of jazz. (General Education – Humanities and Fine Arts) ***Three credit hours.***

MUSI 378.HISTORY OF ROCK 'N' ROLL

Designed as an overview of the evolution of rock music from the 20th century through the present day, the course focuses on the development of rock music from its roots in blues, folk, country, and pop styles to the musical trends of sixties rock to the changes in rock music in the seventies, eighties, nineties, and 21st century. The course explores the sociological, economic, and cultural factors that continue to shape this musical phenomenon. (General Education—Humanities and Fine Arts) ***Three credit hours.***

MUSI 380.OPERA WORKSHOP

Preparation and presentation of operatic scenes from the standard repertoire. Some musical comedy. Day and/or evening rehearsals to be arranged. Prerequisites: Enrollment in Applied Voice and instructor permission. Offered when needed. May be repeated for additional credit. ***One credit hour.***

MUSI 389.PERFORMANCE PROJECT

Performance to be scheduled during the last semester of applied study. Repertoire to include representative styles and genres of the junior and senior levels. Required of all students pursuing Music, K-12 Teacher Certification degree. Graded pass/fail. ***No credit.***

MUSI 390.RECITAL

A full-length solo or chamber recital to be graded by a committee of the music faculty. In consultation with the applied teacher, the student will select repertory, schedule facilities, plan rehearsals, and develop publicity. May only be taken when the student is enrolled for applied music study. May be repeated for additional credit. Prerequisites: Instructor permission and 4 semesters study in the applied field of the recital. Offered when needed. ***One credit hour.***

MUSI 401.FORM AND ANALYSIS

The capstone theory course, incorporating concepts of sound, harmony, rhythm, melody, and texture, to identify structural phenomena and structural function of musical units. Includes aural and visual analysis of sonata-allegro, variation, imitative forms, rondo, and composite/atypical forms. Prerequisites: "C" or better in both MUSI 212 and 214. ***Two credit hours.***

MUSI 490.MUSIC INTERNSHIP

Designed to give the student practical work experience under the supervision of a professional. A student will work through an approved agency, in a business setting, or in an academic environment under the supervision of one of its professional employees and a designated professor. Suitable positions determine availability of internships. ***One to nine credit hours.***

MUSI 499.MUSIC ISSUES

A capstone professional practices course in music. Taught as seminars and workshops. Topics include music ethics, graduate schools, job connections, portfolio preparation, resumes, interviewing, and exit assessment evaluations. Prerequisite: To be taken in second semester of junior or senior year. Offered in spring semester of every year. ***One credit hour.***

APPLIED MUSIC

The following course numbers are reserved for music majors in the *emphasis* area. Each course meets *one hour* per week and carries one hour of credit. The first digit of the course number identifies the level of the course: MUSK, MUSN, MUSV 150, 151, 250, 251, 350, 351, 450, and 451.

The following course numbers represent private lessons for **music majors** in the *non-emphasis* area. Each course meets *one-half hour* per week and carries one hour of credit. The first digit of the course number identifies the level of the course: MUSK, MUSN, MUSV 154, 155, 254, 255, 354, 355, 454, and 455.

The following course numbers represent private lessons for **music minors** in the *emphasis* area. Each course meets *one-half hour* per week and carries one hour of credit. The first digit of the course number identifies the level of the course: MUSK, MUSN, MUSV 152, 153, 252, 253, 352, 353, 452, and 453.

An applied music fee is charged for each semester of private study. Students studying applied music during the summer will pay $100 plus normal tuition for ten lessons. See page 23 and page 114.

Applied subjects offered:

Bassoon	French Horn	Percussion	Trombone
Baritone Horn	Guitar, Bass Guitar	Piano	Trumpet
Clarinet	Oboe	Saxophone	Tuba
Euphonium	Organ	Strings	Voice
Flute			

NURSING

NURN 203.STRATEGIES FOR WELLNESS

This course provides a survey of holistic approaches to retain personal wellness. Emphasis is placed on the identification and modification of health risk factors and the development of a plan for personal wellness. This course includes an activity component for implementation of a personal wellness plan. Prerequisite: Registration limited to students enrolled in online degree programs or instructor permission. ***Three credit hours*** (3,0).

NURN 290.SPECIAL PROJECTS IN NURSING

This course provides opportunity to pursue a special area of interest in nursing on a self-directed basis under faculty supervision. Prior to registration, the learner and faculty will develop specific objectives and activities for the project. Pre- or co-requisite: NURN 307 or instructor permission. ***One to three credit hours*** (1-3,0).

NURN 291.COMPLEMENTARY AND ALTERNATIVE PRACTICES IN NURSING

This course identifies common complementary and alternative treatments under each of the four major domains identified by the National Center for Complementary and Alternative Medicine; describes the equipment needed, the primary therapeutic use, the complications and contraindications identified, and the implications for nursing practice for the most commonly used complementary and alternative health practices. This course will cover how to discriminate between practices with respect to scientific validation of clinical effects and define terms used in complementary and alternative health. Prerequisite: Instructor permission. ***Three credit hours*** **(3,0).**

NURN 292.HOLISTIC END OF LIFE CARE ACROSS THE LIFESPAN

This course provides an introduction to the key concepts, social science theories and research relevant to death and dying issues and palliative care. Students will study the processes related to grief and mourning in the perspective of clients throughout the lifespan and across different cultures using the Neuman Systems Model to promote health. The course will also focus on the needs of the dying patient and critical end-of-life care that nurses will be faced with in their practice. Prerequisite: Instructor permission. ***Three credit hours*** (3,0).

NURN 303.NURSING RESEARCH

In this course, students are introduced to becoming a consumer of research. Emphasis is placed on reading, analyzing, and evaluating research articles. Clinical problems are identified and evaluated as to whether clinical practice protocols are research-based. This course builds on the learner's previous experiences with problem solving and focuses on incorporating nursing research into nursing practice. Pre-or co-requisite: NURN 307 or instructor permission. Prerequisites: MATH 211. ***Three credit hours*** (3,0).

NURN 304.PATHOPHYSIOLOGIC BASES OF NURSING PRACTICE FOR REGISTERED NURSES

This course will examine the pathophysiology of selected disease processes across the human lifespan, including circulatory, metabolic, immune, and endocrine disturbances, degenerative processes, genetic disorders, the inflammatory process, and neoplasia. This course builds on the learner's knowledge of biochemistry, human anatomy and physiology, microbiology, human development, and clinical nursing practice. Pathophysiologic changes at the cellular, tissue, organ, system, and multi-system levels will also be examined. This course includes diagnostic testing and physical assessment specific to the disease processes studied. This course will incorporate implications for health and nursing strategies. Prerequisites: "C" or better in BIOL 203. ***Three credit hours*** (3,0).

NURN 307.PROFESSIONAL TRANSITION FOR REGISTERED NURSES

This course provides a bridge to the baccalaureate curriculum. The course integrates the Neuman Systems Model concepts into nursing process to focus on the retention, attainment, and maintenance of optimal wellness for individuals, families and groups across the life span. Prerequisite: Registered Nurse licensure and admission to RN to BSN Completion Program. ***Four credit hours*** (4,0).

NURN 310.CULTURAL PERSPECTIVES IN GLOBAL HEALTH

This course explores how cultural, political, economic, and social factors impact health status for selected populations. Specific emphasis will be given to the influence of culture on health. Each section of NURN 310 will

focus on the cultures and sub-cultures within a specific region. Prerequisite: Admission to the RN-BSN Completion Option, or instructor permission. (General Education – World Cultures). ***Three credit hours.***

NURN 340.ENHANCED PHYSICAL ASSESSMENT FOR RNS

This course includes nursing theory and practice in the physical assessment of the well individual. The course emphasizes the physiological and includes psychological, sociocultural, spiritual, and developmental variables included in the Neuman Systems Model. The course provides the opportunity for Registered Nurses to expand their skills in obtaining a health history and to enhance physical assessment skills utilized in a physical examination. Prerequisites or co-requisites: NURN 307, NURN 304, or instructor permission. ***Three credit hours*** (2,1).

NURN 370.ADVANCED TOPICS IN NURSING

This course provides a mechanism for in-depth study of a special area of interest in nursing. Prior to registration, the learner may select specific elective options offered by the School of Nursing. Themes reflect diverse topics and may change each semester. This course may be repeated for additional credit as topics change. Prerequisite or co-requisite: NURN 307 or instructor permission. ***One to three credit hours*** **(1-3,0).**

NURN 371.INTERNATIONAL SERVICE LEARNING.

This course provides interprofessional perspectives and practice based on the Neuman Systems Model in the context of an intensive directed service-learning opportunity in a medical mission setting in foreign countries. Preparatory assignments will be given in advance of the trip and participation in scholarly activities (e.g. presentations, publications) will be required after the conclusion of the trip. Additional fees are charged for costs beyond tuition. Prerequisite: Instructor permission. ***Three credit hours*** (3,0).

NURN 372.HEALTHCARE GENOMICS

This course provides a mechanism for in-depth study of the special area of genomics and the implications for health care professionals. The course includes applications of evolving genomic technology and services. Ethical, legal, and social implications of genomic technological advances are also addressed in this course. Prerequisite: instructor permission. ***Three credit hours*** (3,0).

NURN 373.SPIRITUALITY IN NURSING

This course incorporates nursing theory and evidence-based practice to address the spiritual dimension of clients using the nursing process and the Neuman Systems Model. This course focuses on the client variable of spirituality as described by the Neuman Systems Model, including its assessment and the planning and implementation of spiritual care practices in nursing. Students will explore the concept of spirituality, including their own spirituality as it relates to nursing practice and the difference in religiosity and spirituality. Prerequisite or co-requisite: NURN 307, or instructor permission. ***Three credit hours*** **(3,0).**

NURN 412.NURSING LEADERSHIP AND MANAGEMENT

In this course, the student will synthesize nursing theory and practice while using the nursing process to plan and coordinate care focusing on agencies as clients. Synthesizing nursing, leadership, and management theories, the student will learn to effect change in the health care delivery system. The student will incorporate decision-making experiences in multidisciplinary groups. Prerequisite or co-requisite: NURN 307, or instructor permission. ***Two credit hours*** **(2,0).**

NURN 417.COMMUNITY NURSING

This course incorporates nursing theory and practice utilizing the nursing process and the Neuman Systems Model to promote health for individuals, families, and groups in the community and for the community as a client. Epidemiology, biostatistics, and public health concepts are incorporated into the course. Prerequisite or co-requisite: NURN 307, or instructor permission. ***Five credit hours*** **(3,2).**

NURN 499.PROFESSIONAL DEVELOPMENT IN NURSING

This course is an examination of nursing's present dynamics and future directions with emphasis on professional development, career structuring, and advanced preparation in nursing. The course incorporates legal and ethical codes of professional nursing practice as well as current issues in nursing, health and the health care delivery system through the investigation and critical analysis of information from various sources. Topics may vary depending on current issues. Prerequisite or co-requisite: NURN 307 or instructor permission. ***Two credit hours*** **(2,0).**

NURS 111.MEDICAL TERMINOLOGY

This course is an introduction to the fundamentals of medical terminology including roots, prefixes, and suffixes with an emphasis on spelling, definition, and pronunciation. ***One credit hour.***

NURS 165.HISTORY AND TRENDS IN NURSING.

This course provides an orientation to nursing and to the conceptual bases of nursing, health and nursing education. The topics include history of nursing, nursing as a scientific field of study and as a profession, nursing education, nursing roles and settings, legal and ethical influences, and professional abbreviations and terminology. The concepts of the Neuman Systems Model are introduced. Prerequisite: "C" or better in BIOL 202 and admission to the nursing major. ***Two credit hours*** **(2,0).**

NURS 203.STRATEGIES FOR WELLNESS

This course provides a survey of holistic approaches to retain personal wellness. This course emphasizes the identification and modification of health risk factors and the development of a plan for personal wellness. ***Two credit hours*** (2,0).

NURS 232.PHARMACOLOGY BASICS

This course introduces the basic concepts of pharmacology, including pharmacodynamics (legal, ethical, and cultural considerations), and lifespan considerations. This course provides the mathematical operations needed to calculate medication dosages. Introduction to medication administration will be also be taught along with opportunities for clinical practice. Prerequisite: "C" or better in NURS 235 and NURS 304. ***Two credit hours*** **(1,1).**

NURS 233.PHARMACOLOGY

This course provides an overview of the categories of pharmacological agents used in primary, secondary, and tertiary prevention to promote optimal wellness for clients whose resistance or natural defenses are at risk or have been compromised. Prerequisites: "C" or better in NURS 235 and NURS 304. ***Three credit hours*** **(3,0).**

NURS 235.LIFESPAN WELLNESS NURSING

This course focuses on nursing theory and practice to promote and retain wellness for persons across the lifespan based on the Neuman Systems Model concepts. The course integrates human development, normal nutrition, teaching-learning concepts, health promotion, and early detection of disease. Prerequisite: "C" or better in NURS 165. ***Three credit hours*** **(3,0).**

NURS 240.PHYSICAL ASSESSMENT

This course focuses on nursing theory and practice in the physical assessment of the well individual. It emphasizes the physiologic variable and incorporates the psychological, sociocultural, spiritual, and developmental variables included in the Neuman Systems Model. Interviewing skills in obtaining a health history and physical assessment skills utilized in a physical examination are addressed. Prerequisites: "C" or better in NURS 235 and NURS 304. ***Three credit hours*****. (2,1).**

NURS 242.STRATEGIES AND TECHNIQUES FOR NURSING CARE

This course focuses on nursing theory and practice to develop basic nursing strategies in assessment of health problems, diagnosis, nutrition, medication administration, and basic nursing interventions. The emphasis of the course is on nursing care skills essential to promote comfort and meet treatment needs, with opportunity for experiential learning. Prerequisites: "C" or better in NURS 235 and NURS 304. ***Five credit hours*** **(3,2).**

NURS 290.SPECIAL PROJECTS IN NURSING

This course provides opportunity to pursue a special area of interest in nursing on a self-directed basis under faculty supervision. Prior to registration the learner and faculty will develop specific objectives and activities for the project. Topics may change each semester. Prerequisite: second semester sophomore nursing status. ***One to three credit hours*** (1-3,0).

NURS 291.COMPLEMENTARY AND ALTERNATIVE PRACTICES IN NURSING

This course is an introduction to Complementary and Alternative Medicine Therapies (CAM). Major therapies identified by the National Center for Complementary and Integrative Health (NCCIH) are explored including the evidence to support their use, safety and contraindications for use, and training of CAM practitioners. Special attention is given to therapies most commonly integrated into holistic nursing practice and evidence-based decision-making regarding CAM use and its integration into health care and health promotion. ***Three credit hours.*** (3,0).

NURS 292.HOLISTIC END OF LIFE CARE ACROSS THE LIFESPAN

This course introduces key concepts, social science theories, and research relevant to death and dying issues and palliative care. Students will use the Neuman Systems Model to study the processes related to grief and mourning from the clients' perspective throughout their lifespan and across different cultures. The course will also focus on the needs of the dying patient and critical end-of-life care. ***Three credit hours*** **(3,0).**

NURS 293.NURSING LEADERSHIP

This course utilizes discussion and advanced study on selected topics not covered in general courses. This course provides students an opportunity to earn academic credit for active pre-professional involvement in the local, state, and/or national levels of the National Student Nurses' Association. Students will develop individual learning contracts based on their specific roles and functions in the organization, which will enhance their critical thinking, communication, and leadership skills. Pre-requisite: Instructor permission. ***One credit hour*** **(1,0).**

NURS 303.NURSING RESEARCH

In this course, students are introduced to becoming a consumer of research. Emphasis is placed on reading, analyzing, and evaluating research articles. Clinical problems are identified and evaluated as to whether clinical practice protocols are research-based. This course builds on the learner's previous experiences with problem solving and focuses on incorporating nursing research into nursing practice. Prerequisites: "C" or better in NURS 345, NURS 346, and NURS 393 or by instructor permission. ***Three credit hours (3,0).***

NURS 304.PATHOPHYSIOLOGIC BASES OF NURSING PRACTICE

This course will examine the pathophysiology of selected disease processes across the human lifespan, including circulatory, metabolic, immune, and endocrine disturbances, degenerative processes, genetic disorders, the inflammatory process, and neoplasia. This course builds on the learner's knowledge of biochemistry, human anatomy and physiology, microbiology, human development, and clinical nursing practice. Pathophysiologic changes at the cellular, tissue, organ, system, and multi-system levels will also be examined. This course includes diagnostic testing and physical assessment specific to the disease processes studied. This course will incorporate implications for health and nursing strategies. Prerequisites: "C" or better in BIOL 202 and BIOL 203 and admission to the nursing major. ***Three credit hours (3,0).***

NURS 310.CULTURAL PERSPECTIVES IN GLOBAL HEALTH

This course explores how cultural, political, economic, and social factors impact health status for selected populations. Specific emphasis will be given to the influence of culture on health. Each section of NURS 310 will focus on the cultures and sub-cultures within a specific region. (General Education – World Cultures). ***Three credit hours.***

NURS 345.MEDICAL-SURGICAL NURSING I

This course focuses on nursing theory and practice using the nursing process and the Neuman Systems Model to promote health attainment and maintenance following penetration of lines of resistance. Focus is placed on adult and older clients who are experiencing medical and surgical stressors. Topics include adult development and illness, perioperative nursing, and care of adults experiencing problems of selected body systems. Prerequisites: "C" or better in NURS 232, NURS 233, NURS 240, and NURS 242. ***Five credit hours (3,2).***

NURS 346.MEDICAL-SURGICAL NURSING II

This course focuses on nursing theory and practice using the nursing process and the Neuman Systems Model to promote health attainment and maintenance following penetration of lines of resistance. Focus is placed on adult and older clients who are experiencing medical and surgical stressors. Topics include adult development and illness, perioperative nursing, and care of adults experiencing problems of selected body systems. Prerequisites: "C" or better in NURS 232, NURS 233, NURS 240, and NURS 242**.** ***Five credit hours (3,2).***

NURS 370.ADVANCED TOPICS IN NURSING

This course provides a mechanism for in-depth study of a special area of interest in nursing. Prior to registration, the learner may select specific elective options offered by the School of Nursing. Themes reflect diverse topics and may change each semester. This course may be repeated for additional credit as topics change. Prerequisite: Instructor permission. ***One to three credit hours*** (1-3,0).

NURS 371.INTERNATIONAL SERVICE LEARNING

This course provides interprofessional perspectives and practice based on the Neuman Systems Model in the context of an intensive directed service-learning opportunity in a medical mission setting in foreign countries. Preparatory assignments will be given in advance of the trip and participation in scholarly activities (e.g.

presentations, publications) will be required after the conclusion of the trip. Additional fees are charged for costs beyond tuition. Prerequisite: Instructor permission. ***Three credit hours*** (3,0).

NURS 372.HEALTHCARE GENOMICS

This course provides a mechanism for in-depth study of the special area of genomics and the implications for health care professionals. The course will include applications of evolving genomic technology and services. Ethical, legal, and social implications of genomic technological advances will also be addressed in this course. ***Three credit hours*** **(3,0).**

NURS 373.SPIRITUALITY IN NURSING

This course incorporates nursing theory and evidence-based practice to address the spiritual dimension of clients using the nursing process and the Neuman Systems Model. This course focuses on the client variable of spirituality as described by the Neuman Systems Model, including its assessment and the planning and implementation of spiritual care practices in nursing. Students will explore the concept of spirituality, including their own spirituality as it relates to nursing practice and the difference in religiosity and spirituality. ***Three credit hours*** **(3,0*).***

NURS 392.CHILDBEARING FAMILY AND WOMEN'S HEALTH

This course focuses on nursing theory and practice using the nursing process and the Neuman Systems Model to provide primary, secondary, and tertiary interventions to females throughout the life span, with an emphasis on the childbearing family system. This course incorporates the holistic approach of physiological, psychological, developmental, spiritual, and sociocultural variables. Prerequisites: "C" or better in NURS 345, NURS 346, and NURS 393 ***Four credit hours (3,1).***

NURS 393.MENTAL HEALTH NURSING

This course focuses on nursing and practice using physiological, psychological, sociocultural, spiritual, and developmental theories to formulate interventions to attain and maintain optimal mental wellness across the lifespan. Nursing strategies are designed to strengthen client defensive and resistive abilities using the nursing process. Secondary and tertiary care is provided to clients with disorders of affect, cognition, personality, and anxiety in various settings. Prerequisites: "C" or better in NURS 232, NURS 233, NURS 240, and NURS 242. ***Four credit hours (3,1).***

NURS 408.CRITICAL CARE NURSING

This course focuses on nursing theory and practice based on the nursing process and the Neuman Systems Model with emphasis on secondary and tertiary prevention/intervention. The course focuses on acute and chronic multi-system stressors and critical care interventions for clients across the life span. Prerequisites: "C" or better in NURS 345, NURS 346, and NURS 393. ***Four credit hours (3,1).***

NURS 409.PEDIATRIC NURSING

This course focuses on nursing theory and practice using the nursing process and the Neuman Systems Model in care of clients from infancy through adolescence. This course also focuses on family-centered, developmentally supportive care for clients in various settings by incorporating primary, secondary, and/or tertiary nursing interventions. Prerequisites: "C" or better in NURS 345, NURS 346, and NURS 393. ***Four credit hours (3,1).***

NURS 410.SENIOR RESEARCH SYNTHESIS I

This course builds on NURS 303 by introducing scientific inquiry and principles of evidence-based practice. Students will be guided in appraisal of research, developing research questions, and training for protection of human subjects involved in research. Prerequisites: First semester senior status or recommendation from nursing academic advisor. ***Two credit hours*** **(2,0).**

NURS 412.NURSING LEADERSHIP AND MANAGEMENT

In this course, the student will synthesize nursing theory and practice while using the nursing process to plan and coordinate care focusing on agencies as clients. Synthesizing nursing, leadership, and management theories, the student will learn to effect change in the health care delivery system. The student will incorporate decision-making experiences in multidisciplinary groups. This course will be taken in the final semester of student's program. Prerequisites: "C" or better in NURS 303, NURS 393, NURS 408, and NURS 499. ***Four credit hours (2,2).***

NURS 415.EPIDEMIOLOGY AND BIOSTATISTICS

This course introduces and applies the principles of epidemiology and study design needed to support population-based and community-health assessment and evaluation. Basic and more advanced methods are covered as appropriate, with applications to public health and community contexts, and integration with biostatistics. ***Three credit hours.***

NURS 417.COMMUNITY NURSING

This course incorporates nursing theory and practice utilizing the nursing process and the Neuman Systems Model to promote health for individuals, families, and groups in the community and for the community as a client. Epidemiology, biostatistics, and public health concepts are incorporated into the course. Prerequisites: "C" or better in NURS 303, NURS 392, NURS 408, and NURS 499. ***Four credit hours (3,1).***

NURS 425.HEALTH PROMOTION PROGRAM PLANNING

This course provides instruction in the development, delivery, and evaluation of health programs to targeted populations. The course focuses on proposal writing, workshop planning and special programing for target groups, communities, and populations. Students will also learn how to present their program proposals in both written and oral formats. ***Three credit hours.***

NURS 435.HEALTH PROMOTION MEASUREMENT AND EVALUATION

This course will examine methods, techniques, and resources used in advocacy for and implementation of health promotion and wellness programs. Students will also learn to critically assess the adequacy of evaluations and how to plan and pilot test an evaluation. ***Three credit hours.***

NURS 460.CLINICAL PROBLEM SOLVING

This course provides enhancement of critical thinking skills to solve clinical problems in simulated client case situations. The course synthesizes application of nursing process, interdisciplinary collaboration, and the Neuman Systems Model for clients with complex, multidimensional stressors. This course is taken in the final semester of student's program. Prerequisites: "C" or better in NURS 303, NURS 392, NURS 408, and NURS 499. ***Three credit hours (3,0).***

NURS 480.SENIOR RESEARCH SYNTHESIS II

This course involves development and completion of a Research Synthesis Project. The project focuses on scholarship within the discipline of nursing through discovery (research), practice (application), teaching, or integration. The project will be submitted for professional presentation and/or publication. Prerequisites: Second semester senior status, completion of NURS 410 with minimum grade of "B" and recommendation of NURS 410 course faculty and a faculty mentor for NURS 480. ***Three credit hours* (3,0).**

NURS 499.PROFESSIONAL DEVELOPMENT IN NURSING

This course is an examination of nursing's present dynamics and future directions with emphasis on professional development, career structuring, and advanced preparation in nursing. The course incorporates legal and ethical codes of professional nursing practice as well as current issues in nursing, health and the health care delivery system through the investigation and critical analysis of information from various sources. Topics may vary depending on current issues. Prerequisites: Grade of "C" or better in NURS 345, NURS 346, and NURS 393. This course is taken in final year of nursing coursework. ***Two credit hours (2,0).***

PARALEGAL STUDIES

LEG 308.LAW, POLITICS, AND SOCIETY

This course examines various approaches to the law, including philosophical, sociological, political, and historical. Topics include elements of legal reasoning, institutions, functions of the law, and the effects of the law in American society. Cross-listed with POLS 308. Prerequisite or co-requisite: POLS 101. ***Three credit hours.***

LEG 311.CONSTITUTIONAL LAW

This course is a study of American federalism, political power of the judicial branch, judicial review, and limitations on the power of the courts. Special emphasis is given to the Supreme Court of the United States. Cross-listed with POLS 311. Prerequisite: "C" or better in POLS 101. ***Three credit hours.***

LEG 312.CIVIL RIGHTS AND CIVIL LIBERTIES

This course provides a study of rights guaranteed to American citizens under the Constitution of the United States. This course focuses on court decisions which interpret and protect individual rights and freedoms. Cross-listed with POLS 312. Prerequisite: "C" or better in POLS 101. ***Three credit hours.***

LEG 313.JUDICIAL PROCESS

This course will focus on the operation and workings of the courts and the people involved in or behind them, thereby analyzing the courts, not just as formal institutions that are affected by an outside world of politics, but as major and integral parts of state and national politics. Cross-listed with POLS 313. Prerequisite: "C" or better in POLS 101. ***Three credit hours.***

LEG 366.INTERNATIONAL LAW

This course looks at the historical evolution, development, and functions of international law. It explores how Western culture created the foundations of international law and illustrates how today's diversity of human experience contributes to controversies in international law, particularly in issues and conceptions of justice and human rights. The course will showcase how law emerges from specific religious and cultural traditions that connect with the history and politics of societies. Students will gain the tools to analyze international law and explore the impact of power differentials between states as they relate to practices, beliefs, histories, traditions, and/or lived experiences of select societies around the world. Junior/Senior status recommended. Cross-listed with POLS 366. Prerequisite: "C" or better in POLS 101. (General Education –World Cultures) ***Three credit hours.***

LEG 371.SPECIAL TOPICS IN LEGAL STUDIES

This course provides instruction on specialized areas of the law (e.g., contracts; family; insurance; litigation; property; real estate; torts; wills, trusts, and estate; etc.) that graduates may encounter in a professional setting. Prerequisite: LEG 308, or permission of the program director**.** ***Three credit hours.***

LEG 499.ADVANCED LEGAL RESEARCH

This course enhances students' legal research skills to be prepared them for various workplace settings that include a private law firm, governmental agency, non-profit organization, or private enterprise. It builds or reinforces knowledge, skills, and abilities important for success in any legal career. This course also includes assessment requirements for the University and the Paralegal Studies program. Prerequisite: "C" or better in LEG 308. ***Three credit hours.***

PHILOSOPHY

PHIL 102.INTRODUCTION TO PHILOSOPHICAL INQUIRY

Introduction to major problems in philosophy through texts ranging from classical to contemporary. By thinking through questions such as, "What can I know?", "Do I have free will?" and "What is the meaning of life?" students gain basic familiarity with philosophy's methods of inquiry, analysis, and criticism. (General Education – Humanities and Fine Arts) ***Three credit hours.***

PHIL 103.INTRODUCTION TO LOGIC

A course focusing on logic, reasoning, and argumentation. Emphasis is given to the identification, analysis, and evaluation of arguments. Formal and informal methods of deduction and induction are learned, as well as fallacies of reasoning to be avoided in constructing logically sound arguments. (General Education – Humanities and Fine Arts) ***Three credit hours.***

PHIL 203.ETHICAL ADVOCACY

This course explores a variety of ethical foundations with an eye towards the development of a moral standpoint. The focus will be on in-class projects involving the application of critical thinking, salient information-gathering, responsible leadership, ethical advocacy, and values-oriented commitment. Project-based applications will be developed in tandem with frequent application of public speaking. ***Three credit hours.***

PHIL 205.CONTEMPORARY MORAL DILEMMAS

This course is a critical survey of contemporary moral dilemmas with an applied focus on what values are, and how they differ from facts; how moral regard is shaped and maintained; how virtues differ from obligations; and how better ethical choices might be made through the exercise of due consideration and the application of habituated, moral judgment to particular cases. Topics are current and variable. Scholarly sources will be drawn from both secular and religious orientations. (General Education – Behavioral and Social Perspectives). ***Three credit hours.***

PHIL 302.ETHICS

Philosophical study of morality, including analysis of basic concepts related to ethical conduct and character. Students learn theories such as virtue ethics, natural law, deontology, and utilitarianism, applying these theories to ethical problems. (General Education – Humanities and Fine Arts) ***Three credit hours.***

PHIL 305.PHILOSOPHY OF RELIGION

This course provides philosophical examination of various aspects of religion, including topics such as the nature of religion, existence of God, rationality of religious belief, problem of evil, and the varieties of religious experience. Western and Non-western perspectives will be considered. ***Three credit hours.***

PHIL 309.PHILOSOPHY OF MIND

Philosophical examination of the nature of mentality, including topics such as the relationship between mind and body, the nature of consciousness, personal identity, free will, animal minds, and artificial intelligence. (General Education – Humanities and Fine Arts) ***Three credit hours***.

PHIL 312.ASIAN PHILOSOPHY

This course is a study of Philosophical writings drawn from Asian philosophical traditions, including Indian, Chinese, Japanese, and other Asian traditions. Texts may range from classical to contemporary, representing Hindu, Buddhist, Daoist, Confucian, and other philosophies. (General Education – Humanities and Fine Arts) ***Three credit hours.***

PHIL 315.EXISTENTIALISM

Philosophies of the Existentialist movement, studied through the works of thinkers such as Kierkegaard, Heidegger, Nietzsche, Sartre, de Beauvoir, and Camus. Attention may be given to Existentialist themes in other forms of media, such as literature, drama, and film. (General Education – Humanities and Fine Arts) ***Three credit hours.***

PHIL 325.BIOETHICS

This important area of applied ethical study involves critical reflection upon issues arising out of the clinical setting that involve questions having to do with patient autonomy, informed consent, medical scarcity, the determination of medical futility, and end-of-life decision-making (i.e., palliative care), from both a domestic as well as international point of view. ***Three credit hours.***

PHIL 341.TOPICS IN PHILOSOPHY

In-depth study of a selected philosopher, philosophical movement, or subfield in philosophy. Topics may vary and may be repeated under different descriptions. Current topics and course descriptions available on the departmental webpage. (General Education – Humanities and Fine Arts) ***Three credit hours.***

PHYSICAL EDUCATION and EXERCISE SCIENCE

The following courses are required of all physical education majors and exercise science majors:

1 (100-level) PEES 144

2 (100-level) Sport/Fitness

One of the above 100-level courses can be satisfied in PEES 176.

I. FOUNDATIONS

II. AQUATICS

PEES 111.BEGINNING SWIMMING

Designed to teach the elements of good swimming, including sound stroke mechanics for the front crawl, back crawl, and elementary backstroke. Basic water safety skills and knowledge to make a person reasonably safe while in, on, or around the water are also taught. Performance tests and knowledge tests are used to evaluate the student's progress. ***One credit hour.***

PEES 112.INTERMEDIATE/ADVANCED SWIMMING

Designed to increase swimming efficiency by improving swimming ability for the front crawl, back crawl, and elementary backstroke as well as focusing on sound stroke mechanics for the side stroke and breast stroke. Swimming as a fitness activity will be covered. Students should be able to demonstrate basic swimming ability prior to enrollment. Performance tests and knowledge tests are used to evaluate the student's progress. ***One credit hour.***

III. INDIVIDUAL SPORTS

PEES 121.BEGINNING TENNIS
Basic skills, strategy, etiquette, scoring, and rules to tennis will be taught. Skill tests and knowledge tests are used to evaluate the student's progress. ***One credit hour.***

PEES 123.BADMINTON
Basic skills, strategy, etiquette, scoring, and rules of badminton will be taught. Class tournaments will be conducted. Skill tests and knowledge tests are used to evaluate the student's progress. ***One credit hour.***

PEES 126.GOLF
A course designed to provide a level of golf instruction which meets the individual student's needs. Instruction, participation at a driving range and golf course (student's expense), and skill and written tests will be employed. ***One credit hour.***

PEES 130.RACQUETBALL
The course will focus on rules, regulations, basic shots, game strategy, and skill development in the sport of racquetball. Class participation is required. Skill tests and knowledge tests are used to evaluate the student's progress. ***One credit hour.***

IV. TEAM SPORTS

PEES 134.SOCCER
Skills, strategy and rules are taught for this fast growing sport. Five-man soccer as well as eleven-man soccer is explained and played. Skill tests and knowledge tests are used to evaluate the student's progress. ***One credit hour.***

PEES 137.VOLLEYBALL
Skills, strategy and rules are emphasized in this course. Skill tests and knowledge tests are used to evaluate the student's progress. ***One credit hour.***

PEES 139.BASKETBALL
Skills, strategy and rules are emphasized in this course. Skill tests and knowledge tests are used to evaluate the student's progress. ***One credit hour.***

PEES 145.ULTIMATE FRISBEE
This course covers the various skills needed to safely and independently play the game of Ultimate Frisbee. Positions, throws, catches and offensive and defensive strategies are learned and built upon until the student is competent to play in a game situation. The "spirit of the game", unique to Ultimate Frisbee, is stressed as well as the concept of Ultimate Frisbee as a lifetime healthy activity to be enjoyed by all. Skill tests and knowledge tests are used to evaluate the student's progress. ***One credit hour.***

V. PHYSICAL FITNESS

PEES 142.CARDIO YOGA
This course combines aerobic exercise with yoga. Assignments include developing an aerobic exercise training program and learning proper positions and form for a variety of yoga poses that will improve balance, coordination, agility, flexibility, and muscular endurance. ***One credit hour.***

PEES 143.WALK/JOG AEROBICS
Introduction to contemporary concepts of cardiovascular conditioning. Emphasis will be placed on the value of walking and jogging as aerobic conditioning exercises. Personalized walk/jog programs will be developed. Performance tests and knowledge tests are used to evaluate the student's progress. ***One credit hour.***

PEES 144.BEGINNING WEIGHT TRAINING
The various aspects of weight training are introduced and individualized programs are implemented based on physiological principles. Performance tests and knowledge tests are used to evaluate the student's progress. ***One credit hour.***

PEES 146.DANCE AEROBICS
The use of dance as a method of cardio-respiratory conditioning. Emphasis on improving flexibility, balance, strength and control. Performance tests and knowledge tests are used to evaluate the student's progress. ***One credit hour.***

VI. CORE COURSES

PEES 175.WELLNESS FOR LIFE

The course is designed to provide the student with a comprehensive introduction to the dynamics of lifetime wellness. The concepts of developing and maintaining a lifestyle of wellness will be presented and will include study units in nutrition, diet and weight control, stress management, sexually transmitted diseases, physical fitness, the cardiovascular system, disease risk factors, cancer, and personal wellness assessment/responsibility. Physical Education and Exercise Science majors must earn a "C" or better. Prohibited to students currently enrolled in or having earned credit in NURN 203. ***Two credit hours.***

PEES 176.WELLNESS FOR LIFE ACTIVITY

The course is designed to provide the student an opportunity to engage in active participation of healthy lifetime activities. This course may be taken for one additional credit with a change in activity. Physical Education and Exercise Science majors must earn a "C" or better. ***One credit hour.***

PEES 199.ADULT CPR AND FIRST AID

This course provides the student with the knowledge and skills to administer adult CPR and first aid. Emphasis is placed on the American Red Cross Emergency Action Principles throughout the course. Successful completion will result in American Red Cross Adult CPR and First Aid Certification. Restricted to Physical Education and Exercise Science majors, or by instructor permission. ***Two credit hours.***

PEES 201.HEALTH AND PHYSICAL EDUCATION FOR THE CLASSROOM TEACHER

This course serves as an introductory course in the foundations and concepts of teaching elementary health and physical education. The focus is on the methods, skills and knowledge necessary to sequence and provide progressions for appropriate activities based on state and national standards for health and physical education. Peer teaching and semester projects are required components of the course. ***Three credit hours.***

PEES 202.PERSONAL HEALTH AND HEALTH PROMOTION

Based on the concept of accepting self-responsibility, this course gives students practical information regarding the development of strategies to make informed health decisions that will positively affect their well-being throughout their lives. ***Three credit hours.***

PEES 204.TEACHING TEAM SPORTS

Students learn to determine appropriate development of content according to game stages in a variety of team sports for different age levels and abilities, to identify tactical content in team sports and implement game strategies. Students will develop a minimal level of competency in a variety of team sports. Two hours lecture, one hour laboratory weekly. Prerequisites: PEES 175 and PEES 226. Co-requisite: PEES 222. ***Two credit hours.***

PEES 206.TEACHING INDIVIDUAL AND DUAL SPORTS

Students learn to determine appropriate development of content according to game stages in a variety of individual and dual sports for different age levels and abilities, to identify tactical content in individual and dual sports and implement game strategies. Students will develop a minimal level of competency in a variety of individual and dual sports. Two hours lecture, one hour laboratory weekly. Prerequisite: PEES 204. Co-requisite: PEES 318. ***Two credit hours.***

PEES 210.ANATOMY AND PHYSIOLOGY OF HUMAN MOVEMENT

A critical study of the structures and function of the organ systems specifically related to the advanced study of kinesiology and exercise physiology. Special emphasis will be placed on the skeletal, muscular, circulatory, and respiratory systems. Three hours lecture, three hours laboratory weekly. ***Four credit hours.***

PEES 219.HISTORICAL AND PHILOSOPHICAL PRINCIPLES OF PHYSICAL EDUCATION AND EXERCISE SCIENCE

An introductory course for Physical Education and Exercise Science majors. The evolution of the philosophies and programs of each are investigated, and students assess the career opportunities within the areas of physical education, athletic training, sport, and fitness. ***Three credit hours.***

PEES 221.FUNDAMENTAL CONCEPTS IN ATHLETIC TRAINING

The course introduces students to the athletic training profession and to the types of scientific knowledge and skills utilized by an athletic trainer. Emphasis will be placed on comprehensive injury prevention and primary injury management. The course will include lab instruction in taping, bracing, equipment fitting, and other

fundamental skills utilized in athletic training. Two hours lecture and one hour laboratory weekly. Prerequisite: Exercise Science Level II program status. ***Three credit hours.***

PEES 222.EDUCATIONAL GAMES

Students learn to determine appropriate development of content according to stages in educational games for different age levels and abilities, to identify the technical and tactical content in educational games, to increase their ability to observe and analyze both skilled and unskilled movement in educational games, and to develop content appropriately in a teaching situation as evidenced through written lesson plans pertaining to educational games. Two hours lecture, one hour laboratory weekly. Prerequisite: PEES 226. ***Two credit hours.***

PEES 223.EDUCATIONAL GYMNASTICS

Students learn to develop individual skills using themes (BSER model – body, space, effort, relationship) of educational gymnastics to implement floor exercise routines and acquire a working knowledge of educational gymnastics as they develop gymnastic unit plans and lesson plans for the K-12 curriculum. Two hours lecture, one hour laboratory weekly. Co-requisite: PEES 226. ***Two credit hours.***

PEES 224.EDUCATIONAL DANCE

Students learn to develop skillful movement patterns consistent with a designed theme and become competent in a variety of dances (i.e., creative, folk, line, and ballroom) which meet the goals and objectives of the South Carolina Frameworks for Dance Education. Laban's movement concepts will be integrated throughout and units of instruction will be developed for the K-12 Two hours lecture, one hour laboratory weekly. Prerequisite: PEES 226 or approval of instructor. ***Two credit hours.***

PEES 226.MOTOR DEVELOPMENT

This course enhances the pre-service teacher's knowledge of the growth and motor behavior of children from conception through adolescence. It is a study of childhood growth and maturation as they relate to motor learning and motor skill acquisition. Two hours lecture, two hours laboratory weekly. Co-requisite: PEES 223. ***Three credit hours.***

PEES 228.MOTOR LEARNING

Principles of the cognitive, sensory, and motor processes, which underlie the learning of motor skills commonly included in the physical education curricula, are addressed and applied to the instruction of motor skills. Prerequisite: PEES 226 or approval by instructor. ***Three credit hours.***

PEES 283.INTRODUCTION TO EXERCISE SCIENCE

This preparatory course exposes early Exercise Science majors to various skill-based components needed for successful navigation through the Exercise Science major. Examples include laboratory report writing, article dissemination, graphing, and text formatting. Educational aspects that raise awareness to departmental- and university-related requirements and offerings are examined. In addition, topics such as professionalism and career development are discussed**.** ***One credit hour.***

PEES 290.PRACTICUM IN PHYSICAL EDUCATION

Intended to give students practical experience in teaching physical education. Students will be required to be available two (2) hours a week to work under direct faculty supervision. Students will assist in teaching 100-level physical education classes only. May be taken for additional credit up to a maximum of three hours. Restricted to Physical Education-Teacher Education and Exercise Science majors. ***One credit hour credit per semester.***

PEES 300.THEORIES OF COACHING

Theories and techniques of coaching are investigated. Includes organization of practice sessions, preparing for and conducting games and meets, and guidelines for purchasing and caring for facilities and equipment. ***Three credit hours.***

PEES 305.MEASUREMENT AND EVALUATION

This course provides an introduction to the concepts and statistics related to assessing student performance and evaluating knowledge acquisition. It is designed to present current theory and practice in testing/assessment procedures and to provide the teacher candidate with the necessary skills to integrate a variety of assessment strategies for student performance and program accountability in grades K-12. Teacher candidates will gain a working knowledge with the South Carolina Physical Education Assessment Program (SCPEAP). Prerequisite: "C" or better in PEES 318. ***Three credit hours.***

PEES 308.ORGANIZATION AND ADMINISTRATION OF EXERCISE-RELATED PROFESSIONS

This course focuses on a study of organizational and administrative theory, concept, principles, and practices. Specific topics include development of an organizational plan, decision-making, effective communication, personnel administration, and facility and budgetary development/management. Emphasis is placed upon the role and application of effective organizational and administrative procedures in physical education, exercise science. Prerequisite: "C" or better in PEES 219. ***Three credit hours.***

PEES 310.KINESIOLOGY AND EXERCISE BIOMECHANICS

This course is a study of the mechanical principles of human movement. Emphasis is placed on the role of the muscular and skeletal systems in human movement, and the mechanical analysis of motor skills. Laboratory sessions are an integral and important aspect of this course. Prerequisites: "C" or better in PEES 210 or BIOL 202, and meet the academic requirements for Formal Admission into Level II of the Exercise Science Program. ***Four credit hours.***

PEES 311.PHYSIOLOGY OF EXERCISE

The physiological and biochemical alterations occurring in the human body as a result of physical stress are studied. Emphasis is placed on the understanding of the functional changes that result from acute and chronic exercise. Laboratory sessions are an integral and important aspect of this course. Three hours lecture and three hours laboratory per week. Prerequisites: "C" or better in PEES 210 or BIOL 202 and meet the academic requirements for Formal Admission into Level II of the Exercise Science Program. ***Four credit hours.***

PEES 318.INSTRUCTIONAL ASPECTS OF PHYSICAL EDUCATION

Students explore and learn to apply instructional methods in physical education settings, including environmental arrangements, task presentations, content development, and feedback. Students apply instructional principles to small peer group settings using open and closed motor skills. Requirements for each teaching episode include the development of a written lesson plan and submission of a written self-reflection on teaching. Students use technological skills to critique and evaluate their instructional methods. Prerequisite: PEES 226. ***Three credit hours.***

PEES 320.TEACHING METHODS FOR ELEMENTARY PHYSICAL EDUCATION

Basic skills, games and rhythmic activities of children in grades pre K through 5 will be explored. Emphasis will be placed on how children move and on learning appropriate teaching techniques and physical education content for this age group. Prerequisites: "C" or better in PEES 226 and acceptance into the Teacher Education Program. ***Three credit hours.***

PEES 325.HUMAN SEXUALITY

The course offers an integrated view of the physiological, psychological, social and cultural factors that affect human sexuality. The students explore the impact of the lifestyles and values of different cultures on human sexuality. Junior/Senior status required. (General Education – Behavioral and Social Perspectives) ***Three credit hours.***

PEES 326.NUTRITION FOR HEALTH AND PERFORMANCE

A review of normal nutritional needs followed by a thorough study of the effects of food on sport performance. Biochemical actions of foods will be investigated in relation to performance. Consideration will be given to diet analysis, special diets, and the use of ergogenic aids. Prerequisite or co-requisite: PEES 311. ***Three credit hours.***

PEES 329.FIELD EXPERIENCE II

The majority of the course is conducted in an elementary physical education setting and provides opportunities to observe in both the classroom and gymnasium. In a 50-hour clinical, students plan for, teach and evaluate physical education lessons on a regular basis. Students use technological skills to critique and evaluate their instructional methods. Prerequisites: "C" or better in PEES 318 and acceptance into the Teacher Education Program. Co-requisite: PEES 320. ***One credit hour.***

PEES 330.PHYSIOLOGICAL ADAPTATIONS TO AGING

This course explores the process of aging on body systems with ramifications related to activity and fitness level. Interrelationships between exercise, nutrition and health are explored from birth to death. Prerequisites: "C" or better in PEES 311. ***Three credit hours.***

PEES 341.RESEARCH TECHNIQUES

An introduction to the process of research and its usefulness in the fields of exercise science, athletic training, physical education, and sport. This course covers reading, analyzing, and evaluating research articles. Scientific writing, formulating research hypotheses, measuring variables, appropriate research design, and using statistical results to draw conclusions will be included. Prerequisites: "C" or better in MATH 211 and PEES 311. ***Three credit hours.***

PEES 362.EXERCISE TESTING AND PRESCRIPTION FOR HEALTHY POPULATIONS

This course provides the student with the opportunity to acquire knowledge and skills for assessing fitness, interpreting, and designing health and activity programs for healthy populations, with an emphasis on developing competency in following ACSM guidelines for exercise testing and prescription. In addition, students will acquire leadership skills through the presentation of exercise testing procedures and the development of exercise prescriptions. This class includes both lecture and hands-on practical laboratory sessions. Prerequisite: "C" or better in PEES 311. ***Three credit hours.***

PEES 370.SPECIAL TOPICS IN PHYSICAL EDUCATION AND EXERCISE SCIENCE

Selected contemporary topics that generally do not receive thorough coverage in the undergraduate curriculum will be covered in this course. Topics will be selected by the PEES faculty with input from the students and/or discipline-related agencies. ***One to three credit hours.***

PEES 402.PRINCIPLES OF STRENGTH AND CONDITIONING

Knowledge and application of processes and principles of health related physical fitness in physical education and sport settings. This course is designed to investigate current techniques and theories of strength training and conditioning for various sports and activities from physiological and biomechanical perspectives. Prerequisites: PEES 144 and PEES 311 or approval by instructor. ***Three credit hours.***

PEES 406.CLINICAL EXERCISE PHYSIOLOGY

This course provides the student with the opportunity to acquire knowledge in chronic disease pathophysiology, the benefits of exercise for these diseases, and the skills needed to safely assess fitness and design physical activity programs for clinical populations. Chronic diseases to be addressed include endocrine and metabolic disorders, cardiovascular disorders, respiratory disorders, osteoporosis, arthritis, cancer, and stroke. Prerequisite: "C" or better in PEES 311. ***Three credit hours.***

PEES 407.INDEPENDENT RESEARCH I

An independent research project which requires the preparation of a proposal for a research project and a thorough review of literature on the topic. The topic must be from at least one of the several PEES disciplines. Prerequisites: Physical Education-Teacher Education or Exercise Science majors. Sophomore standing or above. Instructor permission. ***One credit hour.***

PEES 420.PHYSICAL EDUCATION FOR SPECIAL POPULATIONS

A study of physical education and rehabilitation programming for special populations. Emphasis placed on curriculum/program development and implementation in physical education for individuals with special needs, specifically gross and fine motor coordination skills and fitness activities. Two hours lecture, two hours laboratory weekly. Prerequisites: PEES 226 and 318; admission to Teacher Education Program; or instructor permission. ***Three credit hours.***

PEES 422.SECONDARY METHODS OF INSTRUCTION

Students further develop instructional skills in the planning and teaching of psychomotor, cognitive and affective learning in large group settings, with emphasis on intermediate and advanced learners in team and individual sports, dance and fitness activities. Prerequisites: "C" or better in PEES 320 and 329; admission to Teacher Education Program. ***Three credit hours.***

PEES 424.SPORTS PSYCHOLOGY

The psychological variables affecting motor learning and performance are investigated. Emphasis on the relation of personality factors to motor learning and performance, and also the relation of psychological factors to involvement in sports as an athlete, spectator, or coach. Prerequisite: Junior or senior standing. ***Three credit hours.***

PEES 429.FIELD EXPERIENCES III

This clinical experience is designed to further immerse teacher candidates into the secondary physical education setting. Teacher candidates plan for, teach and evaluate physical education lessons using a variety of strategies for meeting the needs to diverse learners. Students use technological skills to critique and evaluate their instructional methods. Prerequisites: "C" or better in PEES 320 and PEES 329. Formal admission to Teacher Education Program. Co-requisite: PEES 422. ***One credit hour.***

PEES 451.PROGRAMMATIC CONCERNS IN TEACHING PHYSICAL EDUCATION

This course provides the student with the knowledge, skills and resources to develop a philosophical position and curricular materials consistent with that position and with the state and national guidelines. Units of instruction (elementary and secondary) are developed showing evidence of the integration of both state and national standards. The pre-service teacher is apprised of current South Carolina requirements of physical education relative to assessment and evaluation protocols. Students also gain an understanding and working knowledge of ADEPT (Assisting, developing, and evaluating professional teaching) procedures, the evaluation process used during the student teaching experience. Students are encouraged to implement their secondary unit of instruction in PEES 422. Co-requisite: PEES 422. Prerequisites: "C" or better in PEES 320 and 324 and admission to Teacher Education Program. ***Three credit hours.***

PEES 461.CLINICAL PRACTICE

Observation, participation and supervised teaching in the public schools. Prerequisite: Formal admission to Teacher Education Program. ***Eleven credit hours.***

PEES 490.INTERNSHIP I

The first of two internships designed to give PEES majors practical work experience. Students must apply one semester prior to the semester in which they wish to have the work experience. This course may be taken for additional credit up to a maximum of twelve credit hours. Internships for Exercise Science majors require a "B" or better to be considered as passing. Prerequisite or co-requisite: PEES 362 and permission of the department chair. Student must also have current CPR certification throughout the duration of each internship experience. ***Three credit hours per semester.***

PEES 491.INTERNSHIP II

This course is the second of two required internships designed to give PEES majors practical work experience. Students must apply one semester prior to the semester in which they wish to have the work experience. This course may be taken for additional credit up to a maximum of twelve credit hours. Internships for Exercise Science majors require a "B" or better to be considered as passing. Prerequisites: PEES 362, "B" or better in PEES 490, and permission of the department chair. Students must also have current CPR certification throughout the duration of each internship experience**.** ***Three credit hours per semester.***

PEES 499.PROFESSIONAL CONCERNS SEMINAR

Professional concerns, ranging from current issues in the field to applying to graduate school, are discussed in a seminar format. Completion of assessment requirements is an important component of this course, including achievement of a passing score on the Professional Knowledge Inventory in the student's declared major. Failure to successfully complete all assessment requirements will result in a failing grade for the course. Graded pass/fail. Prerequisite: Senior standing. Physical Education-Teacher Education majors in the semester prior to student teaching or Exercise Science majors in their final semester of classes. ***One credit hour.***

PHYSICAL SCIENCE

PSCI 111.INTRODUCTION TO PHYSICAL SCIENCE

This course surveys of the fundamental concepts in physical sciences and their application to everyday lives. Topics include structure and properties of matter, chemical reactions, forces and motion, types of interactions, definitions of energy, conservation of energy and energy transfer, relationship between energy and forces, wave properties, electromagnetic radiation, and information technologies. Three hours lecture, three hours laboratory weekly. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours.***

PSCI 112.EARTH AND SPACE SCIENCE

An introduction to the fundamental concepts of astronomy, geology and meteorology and how they shape human understanding of the universe. Topics include the origin and characteristics of the solar system, stars, galaxies, cosmology, rocks and minerals, plate tectonics, and weather phenomena. Three hours lecture, three hours laboratory weekly. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours.***

PSCI 451.SCIENCE PEDAGOGY

An exploration of problem based teaching methods such as laboratory techniques, demonstrations, and teaching resources. Special emphasis is placed on instructional implementations of the NSTA Standards (Content knowledge, content pedagogy, learning environments, safety, impact on student learning, professional knowledge and skills). Prerequisite: formal admission to Teacher Education Program. Note: must concurrently enroll in the associated integrated arts course and field experience. ***Three credit hours.***

PSCI 499.SENIOR SEMINAR

This course provides instruction and practice in topics related to professional careers or advanced study in the physical sciences. Provides instruction in the preparation and presentation of a professional seminar and accompanying research paper, principles of professional conduct, beginning a career in the sciences, resumes and applications, interviews, and advanced educational opportunities. Students will participate in evaluations for program assessment purposes. Course is open to juniors majoring in chemical engineering and seniors majoring in chemistry or environmental science. ***Three credit hours.***

PHYSICS

PHYS 101.SURVEY OF INTRODUCTORY PHYSICS

This course provides an overview of concepts in physics for non-science majors examining topics such as classical mechanics, electromagnetic theory, thermodynamics, wave theory, and modern physics. Three hours lecture weekly, three hours lab weekly. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours.***

PHYS 105.CONCEPTUAL PHYSICS

This course provides an overview of concepts in physics for non-science majors, examining topics such as classical mechanics, electromagnetic theory, thermodynamics, wave theory, and modern physics. Three hours lecture weekly. (General Education – Scientific and Mathematical Reasoning, non-laboratory science course) ***Three credit hours.***

PHYS 201-202.INTRODUCTORY PHYSICS

Non-calculus coverage of the fundamental principles of physics and their applications. Topics include mechanics, heat, sound, electricity and magnetism, and atomic and nuclear physics. Three hours lecture, three hours laboratory weekly. Prerequisite: MATH 121, MATH 123, or MATH 141. "C" or better in PHYS 201 is a prerequisite for PHYS 202. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours per course.***

PHYS 203.ELECTRONICS

A study of impedance, admittance, resonance, circuit elements, integrated circuits, and mathematical models. Students build and analyze circuits involving these components in various applications, including amplifiers, oscillators, power supplies, counting and timing circuits, and digital circuits. Three hours lecture, three hours laboratory weekly. Prerequisite: MATH 114, MATH 121, MATH 141 or equivalent. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours.***

PHYS 211-212.GENERAL PHYSICS

An introductory calculus-based coverage of the fundamental principles of physics and their applications. Topics include mechanics, heat, sound, electricity and magnetism, and atomic and nuclear physics. Three hours lecture, three hours laboratory weekly. Prerequisite: MATH 142. "C" or better in PHYS 211 is a prerequisite for PHYS 212. (General Education – Scientific and Mathematical Reasoning) ***Four credit hours per course.***

PHYS 305.SPECIAL STUDIES

Studies in physics on special topics for juniors and seniors. Prerequisite: instructor permission. ***One to four credit hours***.

PHYS 314.FLUIDS AND HEAT TRANSFER

General principles of chemical engineering and the study of fluid flow, fluid transportation, and heat transmission. Special emphasis is placed on theory and its practical application to design. Three hours lecture, two hour laboratory weekly. Prerequisite: CHEM 351. ***Four credit hours.***

POLITICAL SCIENCE

POLS 101.AMERICAN NATIONAL GOVERNMENT

This course provides an introductory study of major topics in American politics including political parties, elections, and public opinion. The course includes instruction on the institutions of the U.S. government and documents critical to the American experience, such as the Declaration of Independence, U.S. Constitution, The Federalist Papers, and the Emancipation Proclamation. (General Education – Founding Documents of the United States and Behavioral and Social Perspectives). ***Three credit hours.***

POLS 103.INTRODUCTION TO WORLD POLITICS

This course is an introduction to contemporary world politics through examination of selected major topics such as globalization, clashes within and across civilizations, nationalism, the North-South gaps, and environmental and human rights issues. A cultural framework is used to explore the impact of power differentials as they relate to practices, beliefs, histories, traditions, and/or lived experiences around the world. This course enables students to interpret current world events and prepares students for upper-level courses in comparative politics and international relations. (General Education – World Cultures and Behavioral and Social Perspectives) ***Three credit hours.***

POLS 200.INTRODUCTION TO POLITICAL SCIENCE

Introduction to the study of political science, including an examination of key concepts in the discipline, methods and approaches to research in the various subfields, and skills and techniques of importance to the political science student. ***Three credit hours.***

POLS 217.INTRODUCTION TO PUBLIC ADMINISTRATION

This course is an introduction to government bureaucracy and an overview of the study of public administration. Case studies will examine the relationship between politics and administration and comparisons between public and private (business) administration. Special focus is on bureaucratic structures, public personnel management, communications, leadership, budgeting, and policy. Prerequisite: "C" or better in POLS 101. ***Three credit hours.***

POLS 221.UNDERGRADUATE RESEARCH IN POLITICAL SCIENCE

In this course students engage in a faculty-directed research project or assist with faculty research. This course may be repeated for additional credit as the topic of the research project changes. Prerequisite: Instructor permission. Graded pass/fail**.** ***One credit hour*.**

POLS 250.INTRODUCTION TO HOMELAND SECURITY

This course is an introduction to the various dimensions and definitions of homeland security, its concepts, and local, state, and national-level governmental institutions. Emergency preparedness and mitigation are covered as part of efforts to align preparedness, incident management, and response plans from governmental and non-governmental actors responding to man-made and natural disasters. (General Education – Behavioral and Social Perspectives) ***Three credit hours*.**

POLS 271.TOPICS IN POLITICAL SCIENCE

Exploration of topics and issues not currently included in the political science curriculum. This course is designed as an in-depth study of topics of political interest. May be taken for additional credit as topic changes. Prerequisite: Permission of instructor. ***One to three credit hours*.**

POLS 302.POLITICAL BEHAVIOR

This course examines the political behavior by the general public. Topics include elections, voter choice, voter turnout, and activist recruitment. Prerequisites: "C" or better in POLS 101 and sophomore status or above, or instructor permission. ***Three credit hours.***

POLS 303.INTERNATIONAL RELATIONS

This course helps students develop the ability to analyze and evaluate the actions of states and non-state actors in contemporary world affairs through comparison of Western and Non-Western societies. It addresses questions of why nations go to war and how they make peace and showcases cultural explanations from theories of international relations. The course explores the impact of power differentials in the relationships between states as they relate to practices, beliefs, traditions and histories and examines challenges to the state-centric systems such as terrorism, politicized religion, imperialism, and ideology. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. Junior/Senior status recommended. (General Education –World Cultures). ***Three credit hours.***

POLS 305.EUROPEAN POLITICS

This comparative politics course focuses on the diverse peoples, cultures, and governmental systems of Europe. Special attention is given to the history and processes of European integration, the role of Europe in the world, and transatlantic relations. This course enables students to make sense of the current European experience. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. Junior/senior status recommended. (General Education –World Cultures) ***Three credit hours.***

POLS 307.PUBLIC OPINION

The course examines public opinion in the context of American politics. Topics include the formation, structure, and measurement of public opinion; the levels of stability and change in public opinion; and the relationship between public opinion and democracy. Special attention is devoted to some of the factors influencing public opinion such as party identification, ideology, political socialization, psychological dispositions, and political knowledge. The course will help students gain an appreciation for the multifaceted nature of public opinion and its importance in the American political system. Prerequisites: "C" or better in POLS 101 and sophomore status or above, or instructor permission. ***Three credit hours.***

POLS 308.LAW, POLITICS, AND SOCIETY

This course examines various approaches to the law, including philosophical, sociological, political, and historical. Topics include elements of legal reasoning, institutions, functions of the law, and the effects of the law in American society. Cross-listed with LEG 308. Prerequisite or co-requisite: POLS 101. ***Three credit hours.***

POLS 311.CONSTITUTIONAL LAW

This course is a study of American federalism, political power of the judicial branch, judicial review, and limitations on the power of the courts. Special emphasis is given to the Supreme Court of the United States. Cross-listed with LEG 311. Prerequisite: "C" or better in POLS 101. ***Three credit hours.***

POLS 312.CIVIL RIGHTS AND CIVIL LIBERTIES

This course provides a study of rights guaranteed to American citizens under the Constitution of the United States. This course focuses on court decisions which interpret and protect individual rights and freedoms. Cross-listed with LEG 312. Prerequisite: "C" or better in POLS 101. ***Three credit hours.***

POLS 313.JUDICIAL PROCESS

This course will focus on the operation and workings of the courts and the people involved in or behind them, thereby analyzing the courts not just as formal institutions that are affected by an outside world of politics, but as major and integral parts of state and national politics. Cross-listed with LEG 313. Prerequisite: "C" or better in POLS 101. ***Three credit hours.***

POLS 318.PUBLIC BUDGETING

This course focuses on the key steps in the development of state and local government budgets. This course will examine the budget process, identify the primary actors, their roles in the budget process, and their ability to influence the budget outcome. Budget concepts will be examined to include line item budgets, zero based budgets, performance budgets, and capital budgets. Prerequisite: "C" or better in POLS 101, or instructor permission. ***Three credit hours.***

POLS 325.INTERNATIONAL CONFLICT AND TERRORISM

This course focuses on conflict in world politics, specifically the study of war, the use of force, and terrorism. Topics include both interstate wars and civil wars as well as military transformations related to technology, weapons of mass destruction (WMDs), political violence, ethnic conflicts, and humanitarian disasters. The course also examines the modern science and technology of nuclear weapons since 1945. Junior/senior status recommended. ***Three credit hours.***

POLS 331.POLITICAL PHILOSOPHY

This course focuses upon the origin and development of the key concepts which have molded our modern world by using original works of political philosophy, covering theorists as diverse as Plato, Aristotle, Machiavelli, Descartes, Hobbes, Rousseau, Mill, Foucault, Arendt, and Marcuse. Each course offering will have some variation with respect to these and other authors. The goals of this course are: (1) to improve the student's own analytic-philosophical reasoning; (2) to gain a solid foundation of these key thinkers; and (3) to apply their concepts to the "modern" world. Sophomore status or above is recommended. ***Three credit hours.***

POLS 350.POLITICAL PSYCHOLOGY

Political psychology examines the interaction between politics and psychology to understand various phenomena in the political world. The course focuses on how psychological processes influence the political behaviors and attitudes of individuals, groups, leaders, and the masses. Some of the commonly examined topics of the course include the roles of personality in politics, the processing of political information, individual and group decision making processes, intergroup conflict (based on factors such as ethnicity, race, nationalism, and religion), and collective violence. Prerequisites: POLS 101 or POLS 103 or POLS 200 and sophomore status or above, or instructor permission. ***Three credit hours.***

POLS 360.CONGRESS AND THE PRESIDENCY

This course examines the legislative and executive branches of the U.S. government. The constitutional and political powers of Congress and the president are addressed as well as their interaction in the policymaking process. Prerequisites: "C" or better in POLS 101 and sophomore status or above, or instructor permission. ***Three credit hours***

POLS 361.TOPICS IN WORLD CULTURES

This course explores the diversity of human experience in politics with focus on politically-oriented issues of interest either globally or specifically within the non-western world in contemporary world affairs. The course deepens the student's ability to analyze and evaluate the leading issues within specific cultural contexts and explores the impact of power differentials in the relationships between states as they relate to practices, beliefs, histories, traditions, and/or lived experiences of select societies. Prerequisite: ENGL 102. Junior/Senior status recommended. (General Education –World Cultures) ***Three credit hours.***

POLS 366.INTERNATIONAL LAW

This course looks at the historical evolution, development, and functions of international law. It explores how Western culture created the foundations of international law and illustrates how today's diversity of human experience contributes to controversies in international law, particularly in issues and conceptions of justice and human rights. The course will showcase how law emerges from specific religious and cultural traditions that connect with the history and politics of societies. Students will gain the tools to analyze international law and explore the impact of power differentials between states as they relate to practices, beliefs, histories, traditions, and/or lived experiences of select societies around the world. Junior/Senior status recommended. Cross-listed with LEG 366. Prerequisite: "C" or better in POLS 101. (General Education –World Cultures) ***Three credit hours.***

POLS 371.SPECIAL TOPICS IN POLITICAL SCIENCE

This is a special theme course that may include experimental and interdisciplinary courses, special trips, and research topics. Sophomore status or above is recommended. Prerequisite: Instructor permission. ***One to three credit hours.***

POLS 379.EMERGENCY MANAGEMENT

This course examines emergency management and preparedness for disaster mitigation, planning, response, and recovery. The course will address disaster risks, threats, and hazards. It covers intergovernmental relations as part of efforts to integrate and coordinate actions by governmental actors at the national, state, and local level, but also discusses ties to non-profit organizations and the private sector. ***Three credit hours.***

POLS 386.STATE AND LOCAL GOVERNMENT

Study of state and local governments in the United States, with a focus on South Carolina. Topics on state government include state political culture, institutions, and bureaucratic structures. Topics on local government include local government structures, functions, and roles. Special focus will be given to the topics of federalism and intergovernmental relations within the American federal system. Prerequisite: POLS 101. ***Three credit hours.***

POLS 390.THE POLITICS OF GLOBALIZATION

This course examines the politics of globalization and the development and management of the contemporary global economy. Topics, such as foreign aid, poverty, and the globalization of the American South, will be selected to analyze the interaction between international politics and international economics. The course deepens the student's ability to analyze and evaluate how globalization shapes and informs the leading issues in contemporary world affairs. The course also explores how globalization impacts the power differentials in the political and economic relationships between states and non-state actors as they relate to practices, beliefs, histories, traditions, and/or lived experiences of select societies around the world. Junior/senior status recommended. Cross-listed with INTL 390. Prerequisite: "C" or better in POLS 103. ***Three credit hours.***

POLS 391.HOMELAND SECURITY POLICY

This course surveys the processes and legal issues involved in homeland security policy. It examines the evolution and evaluation of homeland security policy in the United States. Policy areas may include counter-terrorism/anti-terrorism, emergency management, border security, and cybersecurity. Prerequisites: POLS 250 with a "C" or better; sophomore status, or instructor permission. ***Three credit hours.***

POLS 407, 408, 409.RESEARCH IN POLITICAL SCIENCE

These courses involve students engaging in a student-directed research project on a topic of political interest and are offered on demand to qualified students. Students may count a maximum of three credit hours of Research in Political Science (POLS 407, POLS 408, or POLS 409) toward major requirements. Prerequisite: Instructor permission. ***One to three credit hours.***

POLS 445.AMERICAN FOREIGN POLICY

This course involves description and analysis of American foreign policy. The primary focus is upon how foreign policy is made, including the roles of the president, executive departments, Congress, intelligence community, public opinion, and the media. The course includes coverage of diplomatic, military, and foreign economic policy tools, and encourages evaluation of America's role in the world. Junior/senior status recommended. Prerequisite: "C" or better in POLS 103. ***Three credit hours.***

POLS 490.INTERNSHIP

Students participate in practical work experience related to the study of political science in this course. An internship is supervised by a faculty member. Only six hours of credit for internships may count toward fulfillment of major requirements. Prerequisite: 2.0 GPA or higher, and successful completion of at least 45 hours of academic credit prior to starting the internship. **One to twelve credit hours.**

POLS 499.CAPSTONE SENIOR SEMINAR

This course provides an opportunity for majors in political science to synthesize the knowledge they have learned as a political science major, examine the role of political science and political scientists in society today, and learn strategies for putting a political science degree to work in a post-collegiate context. Prerequisite: Successful completion of 15 hours of POLS courses and instructor permission. ***Three credit hours.***

PUBLIC HEALTH

PUBH 165.INTRODUCTION TO PUBLIC HEALTH

This course introduces the history, science, and principles of public health, as well as current issues and trends in the field. Theoretical models from various disciplines will be used to study social, cultural, behavioral, biological, environmental, and economic influences on the health of a population. ***Two credit hours.***

PUBH 235.LIFESPAN WELLNESS

This course examines health promotion strategies and programming that promote and retain wellness for persons across the life span. The course integrates human development, teaching-learning concepts, health promotion strategies, and early detection of disease. It explores how to tailor health education and health interventions to influence health behavior of specific population groups. ***Three credit hours.***

PUBH 236.NUTRITION

This course focuses on the role of nutrition in the promotion of health and wellness across the life span. A variety of nutritional models focuses on weight management and prevention of obesity. This course examines the nature, extent, and consequences of obesity in the development and prevention of chronic disease and illness. ***Three credit hours.***

PUBH 240.HEALTH EDUCATION

This course introduces health education pedagogy, adult education theories, and coach-client relationship principles used in health coaching to promote effective and sustainable behavior change. This course includes the integration of health coaching strategies to evaluate and develop health literature for clients across the lifespan and in a variety of settings. ***Three credit hours.***

PUBH 310.GLOBAL HEALTH

This course introduces key topics in global health, including determinants and distribution, to understand the burden of disease around the world. The course explores different health systems and major international public

health organizations. Designed to help students understand global health problems and problem-solving strategies, the course discusses emerging research on public health issues in international settings. ***Three credit hours.***

PUBH 325.SOCIAL DETERMINANTS OF HEALTH

This course systematically studies the social and economic conditions under which people live that determine their health. This course explores how socio-environmental factors such as income, living conditions, education, infrastructure, religious affiliation, healthcare, social capital, stress, gender, and race affect health and longevity. This course will also examine the role of public policy in shaping health outcomes for communities. ***Three credit hours.***

PUBH 345.HEALTH PROMOTION AND DISEASE PREVENTION

This course introduces the impact of chronic conditions on the health of individuals and populations, and explores innovative disease prevention programs. ***Three credit hours*.**

PUBH 346.WELLNESS AND AGING

This course surveys healthy aging and wellness promotion for the older adult. The course discusses healthy aging, health perspectives and aging, multiple dimensions of wellness, and age-associated diseases and prevention strategies. Practicum hours in a long-term care setting are required. ***Three credit hours*.**

PUBH 393.MENTAL HEALTH AND SUBSTANCE ABUSE

This course surveys critical issues in mental health, mental illness, and substance abuse from a public health perspective. The course covers strategies for intervention, policy development, and implementation, with special attention paid to disparities in access and use of services. ***Three credit hours*.**

PUBH 415.EPIDEMIOLOGY AND BIOSTATISTICS

This course introduces and applies the principles of epidemiology and study design needed to support population-based and community health assessment and evaluation. Basic and advanced methods are covered as well as integration with biostatistics and applications to public health and community contexts. Prerequisites: "C" or better in MATH 211. ***Three credit hours*.**

PUBH 417.COMMUNITY HEALTH

This course offers an introduction to community health, focusing on health issues in a community context. It presents public health approaches to health assessment, health promotion, and disease prevention. This course includes practicum hours in community settings. ***Three credit hours.***

PUBH 425.PROGRAM PLANNING AND IMPLEMENTATION

This course provides instruction in the development, delivery, and evaluation of health programs to targeted populations. The course focuses on proposal writing, workshop planning, and special programming for target groups, communities, and populations. The course also decribes how to present program proposals effectively in both written and oral formats. Prerequisite: "C" or better in MATH 211. ***Three credit hours*.**

PUBH 435.PROGRAM MEASUREMENT AND EVALUATION

This course examines methods, techniques, and resources used in advocacy for and implementation of public health programs. The course explores how to critically assess the adequacy of evaluations and how to plan and pilot test an evaluation. ***Three credit hours.***

PUBH 490.PUBLIC HEALTH INTERNSHIP I

The course provides career-related, entry-level experience and workplace competencies to Public Health majors. In addition to Core Learning Outcomes stated in the syllabus, the Faculty Internship Advisor and the Worksite Supervisor may jointly develop and evaluate additional Learning Outcomes. A grade of "B" or better must be earned to receive major credit for PUBH 490. Students planning to enroll in this course must apply one semester in advance of the semester they wish to have the work experience. This course may be taken for additional credit up to a maximum of six credit hours. Prerequisites: enrolled in the major, junior/senior standing, and instructor permission. ***Three credit hours*.**

PUBH 491.PUBLIC HEALTH INTERNSHIP II

This course is the second of two required internships designed to give Public Health majors practical work experience. In addition to Core Learning Outcomes stated in the syllabus, the Faculty Internship Advisor and the Worksite Supervisor may jointly develop and evaluate additional Learning Outcomes. A grade of "B" or better must be earned to receive major credit for PUBH 491. Students planning to enroll in this course must apply one semester in advance of the semester they wish to have the work experience. The course may be taken for

additional credit up to a maximum of six credit hours. Prerequisites: PUBH 490, enrolled in the major, junior/senior standing, and instructor permission. ***Three credit hours.***

PSYCHOLOGY

PSYC 101.GENERAL PSYCHOLOGY

This course introduces students to the fundamental laws, facts, problems, and fields of psychology and its relation and important applications to other fields. Prohibited to students currently enrolled in or having earned credit in PSYC 102. (General Education – Behavioral and Social Perspectives). ***Three credit hours.***

PSYC 102.INTRODUCTION TO PSYCHOLOGY FOR MAJORS

Introduces psychology majors to the scientific study of behavior and mental processes. Emphasizes fundamental laws, research methods, facts, problems and fields of psychology and its relation and important applications to other fields. Prohibited to students currently enrolled in or having earned credit in PSYC 101. Prerequisite: psychology major or instructor permission. ***Three credit hours.***

PSYC 190.CAREERS IN PSYCHOLOGY

This course is an introduction to career opportunities in the various fields of psychology. It provides information on the knowledge and skills expected of a psychology major. It presents aspects of psychology as a science and profession, and discusses the requirements for advanced degrees (MS, Ph.D.). Restricted to psychology majors. ***One credit hour.***

PSYC 203.DEVELOPMENTAL PSYCHOLOGY

A study of the psychological aspects of human development from conception through the experience of dying with emphasis on cognitive, emotional, social, physical and moral development. Different approaches to development and various factors affecting development provide the framework for the course. Prerequisites: "C" or better in ENGL 102 and "C" or better in PSYC 101 or PSYC 102. ***Three credit hours.***

PSYC 212.INTERVIEWING AND COUNSELING

Introduces the student to relevant theory and effective techniques of interviewing and counseling used in institutions, agencies, and business. Students will actively participate in class exercises as well as theoretical discussions to develop their knowledge and skills in this area of psychology. Prerequisites: ENGL 102 and one of the following: PSYC 101, PSYC 102, SOCI 101, or ANTH 104. ***Three credit hours.***

PSYC 220.INSTRUCTIONAL MENTORSHIP

This course explores evidence-based pedagogical practices and the science of effective learning strategies. Students will be embedded in a course that they have previously completed successfully and assist the instructor with leading discussion groups and review sessions. PSYC 220 is designed to provide exposure to the teaching and learning process, foster the development of a more extensive knowledge of the subject matter, and promote the acquisition of written and oral communication skills. This course can be repeated for additional credit. Prerequisite: Permission of instructor. Graded pass/fail. ***One credit hour.***

PSYC 221.UNDERGRADUATE RESEARCH

Faculty mentored research on a topic of psychological interest. This course may be repeated for additional credit. Prerequisites: "C" or better in PSYC 101 or PSYC 102 and instructor permission, psychology major or minor. Graded pass/fail. ***One credit hour.***

PSYC 251.ABNORMAL PSYCHOLOGY

Provides students with the basic vocabulary of the field and the basics of diagnostic procedure, plus an understanding of ethical issues. Students also learn how various disorders are explained and treated by the major approaches currently in use. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. ***Three credit hours.***

PSYC 261.QUANTITATIVE AND RESEARCH SKILLS

This course focuses on the quantitative skills involved in scientific psychological research, including the different kinds of data scales and distributions encountered in behavioral research, the process of selecting appropriate inferential statistics to answer different research questions, the use of statistical software, and the procedures of summarizing and presenting data and statistical analyses in tabular, graphic, and verbal formats. Students also learn how to evaluate and critique relevant information from primary sources and are introduced to the research process from formulating an idea to disseminating findings. Includes a research lab component. Prerequisites: "C" or better in PSYC 101 or PSYC 102 and "C" or better in ENGL 102. ***Six credit hours.***

PSYC 299.PSYCHOLOGICAL FIELDWORK

This course offers shadowing, observation, and/or work opportunities in the area of Psychology The field experience is supervised by professional employees of an approved agency, organization, or business as well as the course instructor. Weekly class meetings are also required. This course may be repeated for a maximum of 2 credit hours. Prerequisites: PSYC 101 or PSYC 102 and Psychology major or minor. ***One credit hour***.

PSYC 303.PSYCHOLOGY OF AGING

Course is structured to trace the latter part of the maturation scale, studying the biological, psychological, and sociological changes and adjustments attendant upon the human organism in advancing years. The changes in the organism's vulnerability because of the psychological, chemical, and anatomical adjustments; the changes in capacity to adapt to the demands of the environment and other persons; the changes in social habits due to society's expectations–these are the interests this course is designed to address. Prerequisites: PSYC 101 or PSYC 102, and PSYC 203 and ENGL 102 or, instructor permission. ***Three credit hours.***

PSYC 304.BIOLOGICAL BASES OF BEHAVIOR

An investigation of the biological foundations of behavior with particular emphasis on the role of the nervous system. Topics included are sensation, motivation, emotion, learning and some aspects of psychopathology. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102, and a laboratory science course. ***Three credit hours.***

PSYC 306.PSYCHOLOGY OF PERSONALITY

Detailed study of normal personality. The course is organized around the biological and social determinants of personality, and sketches important methods used in personality study, various theories of personality development, and concepts of traits, types and attitudes. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102, and junior status. ***Three credit hours.***

PSYC 308.SOCIAL PSYCHOLOGY

An analysis of the current methods and theories concerning group processes, social influence, and how people process social information. Topics include social cognition, social perception, attitudes and persuasion, the self, interpersonal attraction, conformity, obedience, compliance, aggression, prosocial behavior, stereotyping, prejudice, discrimination, and group cooperation and conflict. This course is prohibited to students who have previously received credit for PSYC 301 or PSYC 302. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. ***Three credit hours.***

PSYC 311.COMMUNITY PSYCHOLOGY

This course explores the main concepts and principles of community psychology, with a focus on understanding how personal and environmental factors interact to influence the well-being of people within communities. The course will also examine the research approaches used to design, implement, and evaluate community-programs. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. ***Three credit hours.***

PSYC 312.SYSTEMS OF PSYCHOTHERAPY

An investigation of the theories, processes, and practical applications of psychological principles of therapy. Students are encouraged in participation in order to experience some of the methods that comprise an integral part of therapy through such activities as videotaping, testing, interviewing, role play and simulated therapy sessions. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. ***Three credit hours.***

PSYC 314.PSYCHOLOGY OF CHILDHOOD

An examination of human development from conception to adolescence. This course will focus on psychological development, with particular emphasis on cognitive, social, and emotional development. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102, and PSYC 203. ***Three credit hours.***

PSYC 315.ADOLESCENT DEVELOPMENT

An examination of human development through the period of adolescence. This course will focus on the scientific examination of psychological development, with particular emphasis on cognitive, social, and emotional development. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102, and PSYC 203. ***Three credit hours.***

PSYC 330.METHODS AND LOGIC OF BEHAVIORAL RESEARCH

This course is an examination of basic assumptions, rules, and limitations of the scientific method, as well as the procedures involved in formulating research hypotheses, measuring variables, and selecting appropriate research designs. Scientific writing, hypothesis testing, psychometrics, and a lab component are also required. Prerequisites: "C" or better in PSYC 261. ***Four credit hours.***

PSYC 333.COGNITIVE PSYCHOLOGY

Theories and research pertaining to cognitive topics, such as perception, learning of concepts, memory, reasoning, and language. Junior/senior status recommended. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. ***Three credit hours.***

PSYC 347.ATTRACTION AND JEALOUSY

This class is designed to provide an in-depth analysis of current theory and research into the factors that contribute to interpersonal attraction and jealousy. Prerequisites: PSYC 101 and ENGL 102. ***Three credit hours.***

PSYC 350.SCHOOL PSYCHOLOGY

This course provides an orientation to the history and current practice of school psychology in educational and other clinical settings. It also reviews legal, ethical, and cultural issues as they affect the practice of school psychology. Students will learn about the role of the school psychologist and the diverse groups of children, adolescents, and adults with whom school psychologists interact. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. ***Three credit hours.***

PSYC 358.HISTORY AND SYSTEMS OF PSYCHOLOGY

Designed to examine the development of systems of thought and theories in psychology with an emphasis on the criticisms of and contributions made by these systems and theories. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102 and junior standing. ***Three credit hours.***

PSYC 360.PSYCHOLOGY OF GENDER

This course examines gender and gender roles from a number of different perspectives: psychological, biological, historical, anthropological, and social roles. This course also considers how gender is perceived and how gender influences interactions in a number of real world domains (such as work, government, and education). Prerequisites: PSYC 101 and ENGL 102. Junior/senior status recommended. ***Three credit hours.***

PSYC 362.HEALTH PSYCHOLOGY

The profession of psychology has found an increasingly important role in the treatment of health related behaviors. The course reviews our current scientific knowledge with respect to the psychological and emotional causes for many health problems (obesity, heart disease, stress disorders). This course will also investigate the role that psychology plays in the treatment of obesity, smoking, stress, and sleep disorders. Prerequisite: PSYC 101 or PSYC 102. ***Three credit hours.***

PSYC 363.SEXUAL BEHAVIOR AND DEVIANCE

This course reviews psychology's current research into the occurrence development, and classification of human sexual behavior including deviant behaviors. This course will acquaint the students with the range of different forms that sexual behavior may take and the challenges faced by researchers in this field of study. Prerequisite: PSYC 101 or PSYC 102. ***Three credit hours.***

PSYC 371.SPECIAL TOPICS IN HUMAN SERVICES

This course provides an in-depth analysis of varying psychological topics and issues related to human services. This course may be taken for additional credit as the topic changes. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. ***Three credit hours.***

PSYC 379.SPECIAL TOPICS SEMINARS

These seminars are designed to provide an in-depth analysis of a topic. This course may be taken for additional credit as the topic changes. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. ***Three credit hours.***

PSYC 389.CULTURAL COMPETENCE IN APPLIED SETTINGS

This course explores how people think about their own culture, the culture of those around them, and the way cultures impact interactions. Current events and real-world examples are confronted to illustrate why it is extremely important to sharpen skills as culturally competent individuals. Prerequisites: Grade of "C" or better in both ENGL 102 and either PSYC 101 or PSYC 102. ***Three credit hours.***

PSYC 405.DEATH AND DYING

A cross-cultural analysis of death and dying from historical, anthropological, psychological, theological, and sociological perspectives. Topics will include denial/acceptance of death, euthanasia, funeral rituals, mourning, and suicide. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102. Junior/senior status recommended. ***Three credit hours.***

PSYC 407, 408, 409.RESEARCH IN PSYCHOLOGY

This course involves students engaging in a directed research project on a topic of interest in psychology. Student responsibilities may include developing research materials and protocols; collecting, analyzing, and interpreting data; and communicating research findings in a paper or presentation. This course may be repeated for additional credit up to a maximum of nine credit hours. Prerequisite: "C" or better in PSYC 330 and instructor permission. ***One to three credit hours.***

PSYC 416.CHILDHOOD PSYCHOPATHOLOGY

This course is designed to provide an introduction to the behavioral disorders of childhood and adolescence. Along with the descriptions of these disorders, we will discuss the empirical data associated with each disorder, as well as the assessment and treatment of these disorders. Special emphasis will be given to the multiple factors/variables that underlie these conditions. Prerequisites: ENGL 102 and PSYC 101 or PSYC 102, and PSYC 203. ***Three credit hours.***

PSYC 420. UNDERGRADUATE TEACHING PRECEPTORSHIP

This course explores evidence-based pedagogical practices and the science of effective learning strategies. Students will be embedded in a course that they have previously completed successfully and assist the instructor with developing course materials (e.g., presentations, demonstrations, and activities) as well as leading discussion groups and review sessions. The course is designed to facilitate a better understanding of the teaching and learning process, enhance knowledge of the subject matter, and promote the acquisition of written and oral communication skills. This course can be repeated for additional credit but can only count for a maximum of three hours towards PSYC 300-level or above program electives. Prerequisite: Instructor permission. ***Three credit hours***

PSYC 490.INTERNSHIP

Interns work for a social service agency or business for a total of 110 hours, performing various activities related to their particular career goals and emphases in psychology, e.g., testing, counseling, behavior modification, human resources, day care, elder care. Interns meet in class once per week and make formal presentations. This course may be repeated for an additional three hours credit with the approval of the Chair of the Department of Psychological Science. Prerequisites: PSYC 330 with a minimum of "C" and instructor permission. ***Three credit hours.***

PSYC 499.SENIOR SEMINAR

This course is the professional concerns/capstone course. Topics include issues of professional conduct, ethics, resumes, and transition to career choices. Prerequisites: Senior status, a grade of "P" in PSYC 221 or PSYC 299, a grade of "C" or better in PSYC 330, and restricted to psychology majors or minors. ***Two credit hours.***

RELIGION

RELI 101.SACRED TEXTS AND IDEAS

This course introduces students to the reading of sacred texts and the vital role of religion in human experience. Texts will be examined with a focus upon literary and cultural dimensions that produce patterns of belief, ritual, and human action. ***Three credit hours.***

RELI 211.INTRODUCTION TO THE HEBREW SCRIPTURES

This course is a survey of the literature of the Hebrew Scriptures as they reflect the development of an historical community whose stories and traditions date to the second millennium BCE. The texts reflect the emerging faith and culture of the ancient Hebrew community within the diverse environment of the Ancient Near Eastern world. ***Three credit hours.***

RELI 212.INTRODUCTION TO THE NEW TESTAMENT

The course begins with the Maccabean period BCE and examines the emergence of Christianity. It investigates the theological, historical, and literary developments of the rapid growth of the early Christian church by focusing on Jesus, his apostles, and the person of Paul. Emphasis is placed on the interpretation of texts of the New Testament. ***Three credit hours.***

RELI 301.RELIGIOUS CULTURES OF THE WORLD

This course explores religious cultures with a focus on monotheistic and Asian religions. Through exposure to religious cultural products, such as beliefs, comics, music, practices and traditions, and visual media, students will develop a critical understanding of multiple societies, identities, perspectives, ways of life, and beliefs, thereby

helping them to develop greater cultural sensitivity, a deeper appreciation of cultural difference, and a sense of place in an interconnected world. Junior/senior status recommended. Prerequisites: ENGL 102. (General Education – World Cultures) ***Three credit hours.***

RELI 330.THE PAPACY

The story of the Papacy parallels the story of Western Civilization from the founding of the Christian Church through the end of the second millennium and beyond. The popes have also come to oversee a faith-community of one billion members throughout the world. This course will explore this enduring and influential institution – one that has outlived empires, kingdoms, dynasties, and states in world history – not only through the office itself, but also through the human dimensions of the popes in their roles as administrators, political leaders, and patrons of culture and learning. Prerequisite: ENGL 102. ***Three credit hours.***

RELI 441.TOPICS IN RELIGION

This course offers special topics in the study of religion. Prerequisites: ENGL 102 and any three-hour Behavioral and Social Perspectives general education course. ***Three credit hours.***

SOCIAL WORK

SW 311.INTRODUCTION TO SOCIAL WORK

The course explores the concepts of generalist social work practice and the personal and professional skills needed in the field of social work. The course introduces basic social work practice that incorporates a range of skills needed to intervene in numerous practice settings with varied client populations. It integrates the ethics, principles, and values of social work as well as the knowledge base to support strategies used in improving clients' life situations. Cross-listed with SOCI 311. Prerequisites: SOCI 101 and either PSYC 101 or PSYC 102. ***Three credit hours.***

SW 312.HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT

This course introduces aspects of the social environment that impact human behavior and development throughout the life span. The course emphasizes a variety of perspectives including ecological theory, family systems theory, and biopsychosocial approaches as lenses through which behavior is analyzed. The influence that social institutions, culture, race, socioeconomic status, class, and other factors have on individuals, families, and communities is explored. Prerequisites: SOCI 101 and either PSYC 101 or PSYC 102. ***Three credit hours.***

SW 314.SOCIAL WELFARE POLICIES AND PROGRAMS

This course examines the history of social welfare, including the values, beliefs, and attitudes that have shaped social welfare in the United States. The course examines a variety of social issues and addresses political and economic factors that affect social welfare policy. Cross-listed with SOCI 314. Prerequisite: "C" or better in SOCI 101, and in either PSYC 101 or PSCY 102. ***Three credit hours.***

SW 317.SOCIAL WORK INTERVENTION

This course develops skills required for case management in a variety of disciplines. It provides the opportunity to learn and practice assessment, intervention, and evaluation skills needed in a variety of careers that involve working with individuals, families, and large and small groups within either government or non-profit social services agencies. Cross-listed with SOCI 317. Prerequisites: SOCI 101, and either PSYC 101 or PSYC 102. ***Three credit hours.***

SOCIOLOGY

SOCI 101.INTRODUCTION TO SOCIOLOGY

General perspectives of sociologists toward human behavior in social groups, the individual as a social actor, interaction pattern between social groups, inter-institutional differentials in human behavior, and dynamics of social systems. SOCI 101 is required of all sociology majors. (General Education – Behavioral and Social Perspectives) ***Three credit hours.***

SOCI 202.SOCIAL PROBLEMS

This course features descriptions and discussion of contemporary social problems, with a focus on using sociological theories to explain their origins. Special attention is paid to potential solutions and the organizations or social movements advocating for them. Prerequisites: "C" or better in SOCI 101, or departmental approval. ***Three credit hours.***

SOCI 221.UNDERGRADUATE RESEARCH IN SOCIOLOGY

In this course students engage in a faculty-directed research project or assist with faculty research. This course may be repeated for additional credit as the topic of the research project changes. Prerequisite: Instructor permission. Graded pass/fail**.** ***One credit hour*****.**

SOCI 227.SOCIAL MOVEMENTS

This course offers an introductory survey of the sociology of social movements. Particular social movements to be studied may include (but are not limited to) environmental, civil rights, feminist, gay rights, class-based, hate-based, and international social movements. Significant attention will be paid to the history, theory, and methods of social movement research and the role of social movements in contemporary society. Prerequisite: "C" or better in SOCI 101, or instructor permission. ***Three credit hours*****.**

SOCI 228.POPULAR CULTURE AND THE MASS MEDIA

This course addresses the sociology of popular culture; and the mass media through theories of the construction and reproduction of popular culture, the role and influence of the mass media in society; connections to systems of race, class, and gender stratification; and the sociology of particular forms of mass media. Prerequisite: "C" or better in SOCI 101, or Instructor permission. ***Three credit hours*****.**

SOCI 250.CIVIL RIGHTS AND THE LEGACY OF DR. BENJAMIN E. MAYS

This course examines the life and legacy of Dr. Benjamin E. Mays, a native of Greenwood County, minister, professor, advocate for civil rights, and as president of Morehouse College, mentor to such leaders as Dr. Martin Luther King, Jr. The course includes the study of race and civil rights in American society during Dr. May's lifetime (1894-1984) and beyond. Cross-listed with HIST 250. Prerequisite: Instructor permission. ***Three credit hours.***

SOCI 271.SPECIAL TOPICS IN SOCIOLOGY

This course provides an exploration of topics and issues not currently included in the sociology curriculum. The course may be repeated for additional credit as the topic changes. Prerequisite: "C" or better in SOCI 101, or instructor permission. ***Three credit hours.***

SOCI 275.SOCIAL STRATIFICATION

This course examines on the causes and consequences of systems of class, gender, race, and ethnic stratification within the United States. It addresses the history of systems of stratification, how they impact the distribution and reproduction of wealth, power, and privilege, and efforts to mitigate social inequalities. Prerequisites: "C" or better in SOCI 101, or instructor permission. ***Three credit hours.***

SOCI 301.RACE AND ETHNIC RELATIONS

This course examines the nature of racially and ethnically defined intergroup relations in a variety of cultural contexts. Of particular concern are the ways in which race and ethnicity shape stratification systems, and the ways in which race and ethnicity shape individual and group identity. The course examines both historical and cultural variations in prejudice and discrimination. Prerequisite: Junior/senior status only. ***Three credit hours.***

SOCI 302.COMPARATIVE SOCIAL INSTITUTIONS

The primary purpose of this course is to provide cross-cultural analysis of social institutions. The course will examine the major aspects of social institutions – familial, religious, educational, political, economic, legal and media – from a sociological perspective. Special attention will be given to understanding how the structures of institutions in one society compare with those found in other societies. Prerequisites: "C" or better in SOCI 101 and SOCI 202 or departmental approval. ***Three credit hours.***

SOCI.311.INTRODUCTION TO SOCIAL WORK

The course explores the concepts of generalist social work practice and the personal and professional skills needed in the field of social work. The course introduces basic social work practice that incorporates a range of skills needed to intervene in numerous practice settings with varied client populations. It integrates the ethics, principles, and values of social work as well as the knowledge base to support strategies used in improving clients' life situations. Cross-listed with SW 311. Prerequisites: SOCI 101 and either PSYC 101 or PSYC 102. ***Three credit hours.***

SOCI 314.SOCIAL WELFARE POLICIES AND PROGRAMS

This course examines the history of social welfare, including the values, beliefs, and attitudes that have shaped social welfare in the United States. The course examines a variety of social issues and addresses political and

economic factors that affect social welfare policy. Cross-listed with SW 314. Prerequisite: "C" or better in SOCI 101, and in either PSYC 101 or PSYC 102. ***Three credit hours.***

SOCI 315.NON-PROFIT ORGANIZATIONS

This course explores topics and issues related to non-profit organizations that are found at both the micro and macro levels of society to illustrate how non-profit organizations provide direct and indirect services to individuals, communities, and other organizations. The course covers the structures, funding, and various types of non-profit organizations. Prerequisite: SOCI 101 and POLS 101, or instructor permission. ***Three credit hours*.**

SOCI 317.SOCIAL WORK INTERVENTION

This course develops skills required for case management in a variety of disciplines. It provides the opportunity to learn and practice assessment, intervention, and evaluation skills needed in a variety of careers that involve working with individuals, families, and large and small groups within either government or non-profit social services agencies. Cross-listed with SW 317. Prerequisites: SOCI 101, and PSYC 101 or PSYC 102. ***Three credit hours.***

SOCI 321.MEDICAL SOCIOLOGY

This course is an holistic exploration of the ways in which health, illness, and medical practices are socially patterned across society. Institutions that provide health and human services, including health care institutions, government agencies, and non-profit organizations will be analyzed. Prerequisites: "C" or better in SOCI 101 and SOCI 202, or instructor permission. ***Three credit hours*.**

SOCI 322.SOCIOLOGY OF MENTAL HEALTH

Sociocultural variations in the predictability of psychopathology of mental disorder. A critical analysis of the complex organizations, etiologies, typologies, and social policies relative to the phenomenon of mental health. Prerequisites: "C" or better in SOCI 101 and SOCI 202 or departmental approval. ***Three credit hours.***

SOCI 328.SOCIOLOGY OF GENDER

This course analyzes the role of gender and sexuality in society. It explores the social construction of gender, cross-cultural research variations of masculinity, femininity and sexuality; how gender and sexuality impact life chances and well-being; and gendered dimensions of social institutions, including the economy, media, family, religion, politics, science and the law. Prerequisites: "C" or better in SOCI 101 and SOCI 202 or departmental approval. ***Three credit hours.***

SOCI 331.DEVIANCE AND SOCIAL CONTROL

This course examines the sociology of deviance and social control at both individual and organizational levels of society. Theories of deviance, different forms of deviance, mechanisms of social control, and how deviant behavior is related to questions of power, identity, and systems of race, class, and gender stratification, will all be addressed. Prerequisites: "C" or better in SOCI 101 and SOCI 202, or instructor permission. ***Three credit hours*.**

SOCI 351.SOCIOLOGY OF FAMILY

This course provides an in-depth cross-cultural analysis of family systems. It will involve an examination of the major aspects of the family. In addition, attempts will be made to understand the basic sociological perspectives employed in the analysis of family. Prerequisite: completion of at least 40 credit hours of university coursework. Junior/senior status recommended**.** ***Three credit hour.***

SOCI 356.SOCIOLOGY OF SPORTS AND LEISURE

This course addresses the sociology of sports and leisure in the United States and examines sports and leisure activities and relationships at micro, meso, and macro levels of sociological reality. Particular attention will be paid to understanding how sports and leisure activities are embedded in systems of class, race, and gender stratification and how they relate to social institutions such as the family, politics, media, religion, and the economy. Prerequisites: "C" or better in SOCI 101 and SOCI 202, or instructor permission. ***Three credit hours*.**

SOCI 361.SOCIOLOGY OF AGING

This course is an in-depth comparison of social problems and issues of aging and how they relate to both time and place. Theories of aging will be introduced and analyzed with reference to the variations and similarities of the aging experience across the world. Prerequisite: Junior/senior status recommended. ***Three credit hours.***

SOCI 363.ENVIRONMENTAL SOCIOLOGY

This course is an introduction to the field of environmental sociology. It addresses the impact of natural and built environments upon human populations; the relationships between nature, culture and society; the causes and consequences of environmental degradation in the United States and around the world; and differential responses of individual, institutional, and non-institutional actors to environmental problems. Junior/senior status recommended**.** ***Three credit hours.***

SOCI 371.SPECIAL TOPICS IN SOCIOLOGY

This course is an exploration of topics and issues not currently included in the sociology curriculum. This course explores emergent areas within sociology as informed by theory. It may be repeated for additional credit as the topic changes. Prerequisites: "C" or better in SOCI 101 and SOCI 202, or instructor permission. ***One to three credit hours.***

SOCI 377.SPECIAL TOPICS IN GLOBAL ISSUES AND CULTURES

Special or experimental course that either explores a sociological topic relevant to specific cultures and societies or explores a sociological issue relevant to non-western cultures and societies. Junior/senior status recommended. ***Three credit hours.***

SOCI 389.CULTURES OF VIOLENCE

This course explores types of violence, the history and causes of violence, environments of violence (domestic, global, religious, etc.), tactics, and targets—all within a cultural context. Contemporary topics such as ethnic violence, terrorism, and the interaction of media and violence are included. Junior/senior status recommended. ***Three credit hours.***

SOCI 397.SOCIOLOGY OF RISK

This course provides students with the skills to analyze risk at different levels of social reality, helping students to better manage risk in their own lives and communities. Philosophical and theoretical perspectives on the nature of risk, key debates in the field of risk studies, and how specific populations around the world are differentially vulnerable to risk will be addressed. Junior/senior status recommended. ***Three credit hours.***

SOCI 398.METHODS OF SOCIAL RESEARCH

This course introduces the logic and conduct of social research, relationships between theory and empirical evidence, formulation of hypotheses, conduct and analysis of field research, research design, and techniques for data collection and analysis. Prerequisites: "C" or better in SOCI 101 and MATH 211 and six additional hours of SOCI, CRIM, or HUS coursework. Prerequisites may be waived at the discretion of the instructor or chair**.** ***Three credit hours.***

SOC 399.SOCIOLOGICAL THEORY

This course examines the major theoretical orientations in classical and contemporary sociological thought. It explores the social, political, cultural, and historical contexts in which sociological theory has developed, how sociological theory changes over time, and the role of theory in building sociological knowledge. Topics will include how to theorize on different levels of sociological reality, and how to make practical use of theory to answer empirical questions about social life. Prerequisites: "C" or better in SOCI 101 and SOCI 202, and three additional hours of SOCI coursework. Prerequisites may be waived at the discretion of the instructor or chair. ***Three credit hours***

SOCI 407, 408, 409.RESEARCH IN SOCIOLOGY

These courses involve students engaging in a student-directed research project on a topic of sociological interest and are offered on demand to qualified students. Students may count a maximum of three credit hours of Research in Sociology (SOCI 407, SOCI 408, or SOCI 409) toward major requirements. Prerequisite: Instructor permission. ***One to three credit hours.***

SOCI 433.CONTEMPORARY SOCIOLOGICAL THEORY

This course is designed to be the companion class to SOCI 399. Whereas SOCI 399 mainly addresses the concerns of classical sociological theorizing, this course covers sociological theory from the mid-20th century to the present. Topics to be addressed include: Parsonian Sociology, the Frankfurt School, Symbolic Interactionism, Feminism, contemporary theories of race and ethnicity, modern and postmodern theory and globalization. Prerequisites: "C" or better in SOCI 399 and/or departmental approval. ***Three credit hours.***

SOCI 490.SOCIOLOGY INTERNSHIP

This course is an advanced workshop for future professionals in the field of applied sociology. The main objective of this course is the application of selected concepts of sociology to a current social reality. This course is intended as a professionalization experience for students in the sociology program. This course may be repeated for additional credit hours, not to exceed nine hours total. Anything beyond three credit hours requires approval of the department chair. Only six credit hours of credit in internships may count toward fulfillment of major requirements. Prerequisites: "C" or better in SOCI 398 and a Lander GPA of at least 2.0. Graded pass/fail. ***One to nine credit hours.***

SOCI 499.SENIOR CAPSTONE EXPERIENCE

This senior capstone experience provides an opportunity for students to synthesize the knowledge they have learned as a sociology major, examine the role of sociology and sociologists in society today, and learn strategies for putting a sociology degree to work in a post-collegiate context. Prerequisites: "C" or better in SOCI 398 and SOCI 399. ***Three credit hours*.**

SPANISH

SPAN 101.SPANISH FOR GLOBAL CITIZENS I

This course introduces students to the lexicon and structural principles of the Spanish language and delves into the cultures of the Spanish-speaking world, with a special emphasis on Mexico and Spain. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: Placement determined per Foreign Language Placement Policy. (General Education – World Cultures) ***Three credit hours.***

SPAN 102.SPANISH FOR GLOBAL CITIZENS II

This course continues to introduce students to the lexicon and structural principles of the Spanish language and delves further into the cultures of the Spanish-speaking world, with a special emphasis on Mexico and Spain. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: SPAN 101 or placement determined per Foreign Language Placement Policy. (General Education – World Cultures) ***Three credit hours.***

SPAN 203.SPANISH FOR GLOBAL CITIZENS III

This course continues to introduce students to the lexicon and structural principles of the Spanish language and delves further into the cultures of the Spanish-speaking world, with a special emphasis on Mexico and Spain. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: SPAN 102 or placement determined per Foreign Language Placement Policy. (General Education – World Cultures) ***Three credit hours.***

SPAN 204.SPANISH FOR GLOBAL CITIZENS IV

This course continues to introduce students to the lexicon and structural principles of the Spanish language and delves further into the cultures of the Spanish-speaking world, with a special emphasis on Mexico and Spain. It promotes the acquisition of the language skills and the cultural knowledge necessary to participate effectively in multilingual communities at home and around the world. Prerequisite: SPAN 203 or placement determined per Foreign Language Placement Policy. (General Education – World Cultures) ***Three credit hours.***

SPAN 205.HISPANIC WORLD FOR HERITAGE SPEAKERS

This language course is designed for students who have gained a command of Spanish at home. It addresses dialect variations in structure and lexicon, and promotes a deeper understanding of the Hispanic culture with which they may already identify. Coursework emphasizes the reading and analysis of texts, films, advertisements, and other media drawn from Spain, Spanish America, and the Hispanic communities of the United States. Prerequisite: Instructor permission. (General Education – World Cultures). ***Three credit hours.***

SPAN 207.HISPANIC WORLD TODAY

This course explores culture(s) of the Spanish-speaking world today, examining various themes such as family, education, religion, social structure, art, and / or literature. Students gain a vision of the historical, economic, and political forces that shape the society of selected nations in the Spanish-speaking world. It is taught in English and does not count towards the Spanish major or minor. (General Education – World Cultures). ***Three credit hours.***

SPAN 215.SPANISH FOR THE PROFESSIONS

This course is designed to help students develop language skills and competencies pertaining to Hispanic culture in the United States and specific professional fields. Course offerings focus either on the medical, business, or education fields in alternating semesters. This course may be repeated for additional credit as the topic changes. Prerequisite: SPAN 204. ***Three credit hours.***

SPAN 217.HISPANIC WORLD TODAY ABROAD

This course consists of a blend of classroom instruction complemented by a faculty-led, short-term overseas experience in a Spanish-speaking country. The travel component affords students the opportunity to gain unique insight into various aspects of the ways of life of the host country, in an environment of full cultural immersion. The course is taught in English and does not count towards the Spanish major or minor. Command of Spanish is not required for the travel component of the course. (General Education – World Cultures). ***Three credit hours.***

SPAN 240.OVERSEAS STUDY: LANGUAGE

This is an intermediate-level language course offered during an overseas study program approved by the University. Prerequisite: On-site placement. ***One to nine credit hours.***

SPAN 280.SPECIAL TOPICS

This course is a study of a particular issue, theme, or topic in Hispanic language, civilization, or literature and is conducted in Spanish or English. May be repeated for credit as topics change. Prerequisite: Instructor permission. ***One to four credit hours.***

SPAN 305.SPANISH ADVANCED GRAMMAR

The goal of this course is the development of writing proficiency in Spanish, including vocabulary, grammar, usage, and style and is conducted in Spanish. Prerequisite: : SPAN 204 or instructor permission. ***Three credit hours.***

SPAN 306.SPANISH WRITING WORKSHOP

This course teaches practical techniques for writing with clarity and elegance in Spanish. Prerequisite or co-requisite: SPAN 305. ***One credit hour.***

SPAN 320.HISPANIC CINEMA

This course is the study of films as mirrors of Hispanic societies. Topics will include the comparative analysis of film and literature, film as propaganda, film as blockbuster, and the cinematic depiction of social, cultural, and historical realities of Hispanic nations. The course is taught in Spanish. Prerequisite: SPAN 305 or instructor permission. (General Education – World Cultures). ***Three credit hours***.

SPAN 327.HISPANIC CINEMA IN TRANSLATION

This course examines Hispanic films as they depict social, cultural, and historical realities of the nations where they originate. It is taught in English and does not count towards the Spanish major or minor. (General Education – World Cultures). ***Three credit hours.***

SPAN 330.OVERSEAS STUDY

Individualized project undertaken on an overseas study program approved by the University. ***One credit hour.***

SPAN 340.OVERSEAS STUDY: LANGUAGE

Intensive language study on an overseas study program approved by the University. Prerequisite: Placement. ***One to nine credit hours.***

SPAN 345.TOPICS IN LANGUAGE

This course is offered periodically for the investigation of an issue, theme, or topic in Spanish language and is conducted in Spanish. This course may be repeated for additional credit as the topic changes. Prerequisite: SPAN 305 or instructor permission. ***One to three credit hours.***

SPAN 350.OVERSEAS STUDY: CULTURAL STUDIES

Study in any area of Hispanic culture and society on an overseas study program approved by the University. Prerequisite: Placement. ***One to nine credit hours***.

SPAN 355.TOPICS IN CULTURAL STUDIES

This course investigates a theme or topic in the cultures and societies of the Spanish-speaking world and is conducted in Spanish. The course may be repeated for additional credit as the topic changes. Prerequisite: SPAN 305 or instructor permission. (General Education – World Cultures). ***One to three credit hours.***

SPAN 357.TOPICS IN CULTURAL STUDIES IN TRANSLATION
This course is offered for the investigation of a theme or topic in one or more cultures and societies of the Spanish-speaking world, and is for students without a Spanish language background. It is taught in English and does not count towards the Spanish major or minor. This course may be repeated for additional credit as the topic changes. (General Education – World Cultures). ***One to three credit hours.***

SPAN 360.OVERSEAS STUDY: LITERATURE
Study of Hispanic literature on an overseas study program approved by the University. Prerequisite: Placement. ***One to six credit hours.***

SPAN 365.TOPICS IN READING
This course is offered periodically for the investigation of an issue, theme, or topic in written works of the Hispanic world and is conducted in Spanish. This course may be repeated for additional credit as the topic changes. Prerequisite: SPAN 305 or instructor permission. ***One to three credit hours.***

SPAN 367.TOPICS IN READING IN TRANSLATION
This course is offered periodically for the investigation of a theme or topic in written works of the Hispanic world, and is for students without a Spanish language background. It is taught in English and does not count towards the Spanish major or minor. This course may be repeated for additional credit as the topic changes. (General Education – World Cultures). ***One to three credit hours.***

SPAN 380.SPECIAL TOPICS
This course is offered periodically for the investigation of a specialized topic, theme, or issue in Hispanic studies not covered by other courses and is conducted in Spanish. This course may be repeated for additional credit as the topic changes. Prerequisite: SPAN 305 or instructor permission. ***One to four credit hours.***

SPAN 480.SPECIAL TOPICS
This course offers advanced study in a specialized area, movement, writer, or work in Hispanic culture, literature, or society and is conducted in Spanish. This course may be repeated for additional credit as the topic changes. Prerequisite: SPAN 305 or instructor permission. ***One to four credit hours.***

SPAN 490.INTERNSHIP IN SPANISH
Practical experience in professional employment settings either locally or abroad. Placements may be made available through the department, or may be arranged by students in consultation with the department. Conducted in Spanish. May be repeated for a total of twelve hours. Prerequisites: SPAN 305, overseas study, instructor permission. ***One to twelve credit hours.***

SPAN 499.SPANISH CAPSTONE
This course is a capstone experience that demonstrates proficiency in Spanish and competency in Hispanic culture studies. This may be a research project that involves primary investigation in an area of Hispanic studies, a creative project, or a translation. Alternatively, students may successfully complete the *Español como Lengua Extranjera* exam at the B2 level. Prerequisites: Senior standing and instructor permission. ***One credit hour.***

SPECIAL EDUCATION

See pages 356-358.

SPEECH

SPCH 101.SPEECH FUNDAMENTALS
This course teaches students to develop increased accuracy in the basic elements of the communicative process. The principles of speech communication are studied and applied. (General Education – Humanities and Fine Arts) ***Three credit hours.***

SPCH 201.VOICE AND DICTION
Designed to develop demonstrated competence in personal speech and diction skills through the study of voice production technique, the skills required to achieve clear articulation, and the ability to identify and master standard pronunciation. Required for majors. Restricted to Mass Communications and Media Studies or instructor permission. This is a studio course. ***Three credit hours.***

SPCH 302.VOICE ACTING

This course will introduce students to basic voice-over acting techniques to help students develop the skills they need to become voice-over talent for commercials, narrations, and animation. Students will also learn about setting realistic goals, marketing, studio basics, and working with a director/producer. Restricted to Media and Communication majors and Speech and Performance minors. Prerequisites: MEDA 302 or MEDA 200 and SPCH 201. ***Three credit hours.***

SPORTS MANAGEMENT

SPTM 101.INTRODUCTION TO SPORTS MANAGEMENT

This course focuses on the professional aspects of sports management. An introduction to the historical, social, and philosophical foundations of sports management will be provided. Potential careers available to sports managers will be explored. Demands and expectations of various sports management venues will be explored. ***Three credit hours.***

SPTM 201.PRINCIPLES OF SPORTS MANAGEMENT

This course examines contemporary sports management theories and analyzes the four basic sports management functions: planning, organizing, leading, and controlling. These functions for setting and realizing business objectives, particularly those related to event and facilities management. The development of skills and insight into behavioral issues reveal how to more effectively manage and lead in the sports industry. Areas of investigation include management theories and functions, global perspectives, organizational environment, motivation, leadership, communication, decision-making, human behavior, operations, and social responsibility. Prerequisite: "C" or better in SPTM 101. ***Three credit hours.***

SPTM 302.PRINCIPLES OF SPORTS MARKETING

This course introduces the principles of sports marketing, particularly those applicable to micro-marketing. Main topics include the role of the marketing mix in sports industry business decision making, development of the marketing strategy, international marketing, and implementation and control of sports industry market activities. Prerequisite: "C" or better in SPTM 201. ***Three credit hours.***

SPTM 303.LEGAL ASPECTS OF SPORTS

This course presents the terminology and principles of the basic legal system as applied to professional and amateur sports. Emphasis is on identifying and analyzing legal issues, the ramifications of those issues, and the means of limiting the liability of sports organizations. Prerequisite: "C" or better in SPTM 201. ***Three credit hours.***

SPTM 305.SPORTS EVENT AND FACILITY MANAGEMENT

This course investigates the functions of management in terms of operating and financing public assembly facilities including public and private arenas, coliseums, and stadiums. Prerequisite: "C" or better in SPTM 201. ***Three credit hours.***

SPTM 405.FINANCIAL ASPECTS OF SPORTS

This course includes basic theory in finance and accounting applied to managerial control of sports organizations, including forms of ownership, taxation, financial analysis, feasibility studies, and economic impact studies. Prerequisites: "C" or better in SPTM 201 and senior status. ***Three credit hours.***

SPTM 415.ECONOMICS OF SPORTS

This course reviews the use of economic analysis as applied to the sports industry. Topics will include ticket pricing strategies, monopolization, players' labor markets, revenue sharing, salary caps, competitive balance, and the subsidization of stadiums. Prerequisites: "C" or better in SPTM 201 and senior status. ***Three credit hours.***

SPTM 425.SPECIAL TOPICS IN SPORTS MANAGEMENT

This course allows for the study of sports management topics which are not a part of the regular course offerings. Course may be repeated up to 3 times provided the topic is different and will count as business elective or general elective. To repeat the course to improve a grade, the topic must be the same. Prerequisites: "C" or better in ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202. For Sports Management minors or non-business majors: Instructor permission. ***Three credit hours.***

SPTM 490.INTERNSHIP IN SPORTS MANAGEMENT

This course will provide practical experience in a Sports Management field through an approved agency or business under the supervision of professional employees and the course instructor. The course may be taken for a

maximum of six hours to satisfy the SPTM major or minor internship requirement. Internship is dependent upon position availability. SPTM Major Prerequisites: instructor permission, and junior or senior status and "C" or better in ACCT 201, MATH 211, SPTM 201, and either ECON 101 or ECON 201 or ECON 202. For Sports Management minors: ACCT 201, MATH 211, and either ECON 101 or ECON 201 or ECON 202 will be waived. ***One to six credit hours.***

TEACHING FELLOWS PROGRAM

See page 358.

THEATRE

THTR 200.ACTING I

Focus is on the creative process as it applies to the study of acting. A variety of techniques that help actors to create believable characters in performance will be actively addressed. ***Three credit hours.***

THTR 201.THEATRE APPRECIATION

A study in theatrical literature that focuses on key historical eras in the development of theatre movements. (General Education – Humanities and Fine Arts) ***Three credit hours.***

THTR 203.ACTING II

This course is a continuation of THTR 200. Focus is on scene analysis and developing emotional honesty in a performance. Prerequisite: THTR 200 or instructor permission. ***Three credit hours.***

THTR 301.SPECIAL TOPICS IN THEATRE AND PERFORMANCE

This course provides specialized instruction in areas of theatre and performance not normally covered in existing coursework. Areas to be covered will be based on the need of students. This course may be repeated for additional credit as topics change. Restricted to Media and Communication majors and Speech and Performance minors. ***Three credit hours.***

THTR 308.ON CAMERA ACTING TECHNIQUE

This course will focus on basic skills for an effective performance on video. Emphasis is on practical experience that will develop and demonstrate competence in working in front of a camera. Prerequisite: MEDA 390, SPCH 102, or THTR 301. ***Three credit hours.***

THTR 490.INTERNSHIP

Designed to give the student a practical work experience in a field related to his or her major. A student will work through an approved agency, business, or theatre company under the supervision of one of its professional employees and a major professor. Students must apply one semester in advance of the internship. Suitable positions determine availability. Prerequisites: 18 credit hours in the major and junior or senior standing. ***One to six credit hours.***

WRITING

WRIT 251. INTRODUCTION TO CREATIVE WRITING

This course is an experiential introduction to creative writing. The course focus or theme may vary among the four major literary genres: poetry, fiction, drama, and literary nonfiction. The emphasis is on technique, process, and theory as well as on completing a polished piece of writing. The course includes extensive readings from a wide range of writers. Prerequisite: "C" or better in ENGL 102 or instructor permission. ***Three credit hours.***

WRIT 275. BUSINESS COMMUNICATIONS

This course provides instruction and practice in writing and producing documents for a variety of business situations, emphasizing the styles and mechanics of written and oral communications. Prerequisite: "C" or better in ENGL 102 or instructor permission. ***Three credit hours.***

WRIT 276.PUBLIC WRITING AND RESEARCH

This course focuses on professional-level writing skills and emphasizes argumentation and advanced research skills. Assignments include analyzing primary and secondary sources, culminating in a formal research essay or project. Prerequisite: "C" or better in ENGL 102, or instructor permission. ***Three credit hours.***

WRIT 300.NARRATIVE THEORY

This course presents historical and current theories of narrative, including techniques of plot development and characterization, as they apply to various genres, cultures, and media. Prerequisite: "C" or better in ENGL 102. ***Three credit hours.***

WRIT 350.PROFESSIONAL REVISING AND EDITING

This course examines the role of revising and editing in the writing process and provides intensive practice in revising and editing for varied audiences, with attention to mechanics, style, sentence structure, and usage. Prerequisite: "C" or better in ENGL 102, or instructor permission. ***Three credit hours.***

WRIT 353.WRITING POETRY

This course studies the techniques, processes, and theories of writing poetry. The course includes readings from representative authors and requires extensive writing in the genre. Prerequisite: "C" or better in ENGL 102, or instructor permission. ***Three credit hours.***

WRIT 354.WRITING FICTION

This course studies the techniques, processes, and theories of writing fiction. The course includes readings from representative authors and requires extensive writing in the genre. Prerequisite: "C" or better in ENGL 102, or instructor permission. ***Three credit hours.***

WRIT 364.WRITING NONFICTION

This course studies the techniques, processes, and theories of writing nonfiction. The course includes readings from representative authors and requires extensive writing in the genre. Prerequisite: "C" or better in ENGL 102, or instructor permission. ***Three credit hours.***

WRIT 373.WRITING AND RESEARCH METHODS

This course explores the connection between writing, research, and knowledge-making in several disciplines, with emphasis on the humanities and social sciences. Assignments include practicing a variety of primary and secondary research methods and writing about their research for audiences outside of literary studies. Prerequisite: "C" or better in ENGL 102, or instructor permission. ***Three credit hours.***

WRIT 405.NEW VOICES

This course comprises the production of *New Voices: Lander University's Student Journal*, an art and literary magazine. The entire process from reviewing initial submissions to delivering a finished product in print and digital format. Prerequisite: "C" or better in ENGL 102. ***Three credit hours.***

WRIT 450.TECHNICAL WRITING

This course focuses on skills necessary in professional technical writing, including but not limited to audience and rhetorical analysis, collaboration, and the production of technical documents from prewriting to final draft. Prerequisite: "C" or better in ENGL 102 or instructor permission. ***Three credit hours.***

WRIT 453.ADVANCED CREATIVE WRITING

This course introduces advanced techniques for writing fiction, creative nonfiction, and/or poetry. Prerequisite: WRIT 353, WRIT 354, WRIT 364, or ENGL 417, or permission of instructor. ***Three credit hours.***

WRIT 490.INTERNSHIP

This course provides practical experiences in writing oriented fields. This internship requires several hours a week at a business or agency under the supervision of agency personnel and a faculty supervisor. Prerequisite: 12 credit hours in the major area and/or permission of the department chair. Open only to juniors and seniors, the course is offered when suitable positions are available. ***One to nine credit hours.***

FACULTY

EMERITI FACULTY

Deborah A. Acorn (1989)
Lee C. Archie (1977)
Elizabeth Bethel (1973)
Ralph Boroughs (1971)
Marvin L. Cann (1967)
Nahn J. Chang (1973)
W. Royce Caines (1988)
Joel S. Cleland (1974)
Larry J. Cook (1975)
Paul D. Criswell (1989)
Robert P. Cumming (1974)
Bernice P. Daugherty (1996)
Virginia M. Dumont-Poston (1991)
Barbara A. Ervin (2001)
Barbara T. Freese (1975)
Susan C. Going (1973)
Susan H. Guinn (1974)
Ann T. Hare (1968)
Jerald D. Hawkins (1988)
David L. Henderson (1987)
John S. Hinkel (1981)
Bettie R. Horne (1968)
Jill C. Hunter (1994)
Frank E. Jackson, Jr. (1972)
Anthony A. Lenti (1970)
Marianne W. Lenti (1987)
Leonard E. Lundquist (1969)
Alan C. MacTaggart (1973)
Margaret L. Marks (1967)
Betsy M. McDowell (1971)
Danny L. McKenzie (2001)
Marilyn E. Mecca (1990)
Robert J. Morris (1991)
Kenneth N. Mufuka (1976)
Joseph A. Murphy (1974)
Linda Neely (2000)
Carol M. Neubner (1975)
Dava M. O'Connor (1998)
Jean Paquette (1989)
Walter M. Patterson, III (1980)
Robert K. Phillips (1975)
Richard P. Pinckney (1980)
Tom R. Pitts (1989)
Robert H. Poe (1976)
Mary Lynn Polk (1970)
Wilma W. Reeves (1967)
Michael E. Runyan (1974)
Charles Sacoco (1984)
Juan Santandreu (1990)
Carol J. Scales (1992)
Dale O. Shaffer (1983)
Samrendra Singh (1970)
Stephanie C. Smith (1986)
Robbie M. South (2003)
Thomas B. Stevens (1974)
Shelton E. Stewart (1959)
Aron G. Tannenbaum (1975)
Samuel H. Tolbert (2000)
Meredith J. Uttley (1993)
Peter A. Vahjen (1971)
Larry E. Vereen (1970)
Lewis H. Walker (2006)
Bruce F. White (1976)
Betty H. Williams (1965)
Carol Y. Wilson (1982)
Jerome D. Wilson (1973)
Jerry D. Wilson (1975)
Roger A. Wohlford (1975)
Carol P. Wood, (2005)

FULL-TIME FACULTY

Adams, Lauren B. (2019)
Assistant Professor of Teacher Education
BS, Lander University (2005)
M.Ed., University of South Carolina (2011)
Ed.D., University of South Carolina (2018)

Aghaei-Hervani, Aref (2021)
Associate Professor of Economics
BA, University of South Carolina (1985)
MA, The Ohio State University (1990)
Ph.D., West Virginia University (1997)

Akins, April (2014)
Associate Librarian
BSW, Ferrum College (1999)
MSW, Radford University (2000)
MS, University of Tennessee at Knoxville (2014)

Ali, Farha N. (2002)
Associate Professor of Computer Information Systems
BS, Nadirshaw Edulji Dinshaw (NED) University of Engineering and Technology (1994)
MS, Clemson University (2002)
Ph.D., Clemson University (2014)

Anderson, James A. (2014)
Associate Professor of English Education
BA, University of North Carolina at Chapel Hill (1997)
MA, East Carolina University (2002)
Ph.D., University of Arkansas at Fayetteville (2014)

Anthony, Casey L. (2019)
Assistant Librarian
BS, Kent State University (2010)
MLIS, Kent State University (2018)

Applegate, Kristen (2021)
Assistant Professor of Art Education
BFA, Iowa State University (1995)
MS, Iowa State University (1998)
Ph.D., Iowa State University (2001)

Baggett, Jeffrey S. (1997)
Professor of English
BA, Hardin-Simmons University (1985)
MA, Emory University (1998)
Ph.D., Emory University (2000)

Bahha, Abdul-Aziz (2021)
BS, DeVry University
MISM, DeVry University (2004)
Eng.D., Southern Methodist University (2010)
Ph.D., Northcentral University (2019)

Barfield, Jeff (2019)
Assistant Professor of Physical Education and Exercise Science
BS, University of Florida (2010)
MS, California University of Pennsylvania (2011)
Ph.D., Auburn University (2019)

Barnette, Sean M. (2011)
Professor of English
BM, University of South Carolina (2000)
MA, University of South Carolina (2002)
Ph.D., University of Tennessee, Knoxville (2011)
Distinguished Professor Award (2018)

Barton, Gina V. (1999)
Professor of Physical Education and Exercise Science
BS.Ed., Abilene Christian University (1984)
MS.Ed., University of Dayton (1991)
Ph.D., University of South Carolina (1999)

Bassett, Jonathan F. (2005)
Professor of Psychology
BA, Furman University (1996)
MA, Georgia State University (2000)
Ph.D., Georgia State University (2002)
Distinguished Professor Award (2011)

Bell, David Lindsay (2018)
Lecturer of Finance
AB, Pfeiffer University (1974)
MAT, University of South Carolina (1977)
MBA, Furman University (1982)

Blackwood, Amy (2011)
Senior Lecturer of Music
BM, University of North Carolina, Greensboro (2005)
MM, University of North Carolina, Greensboro (2009)

Blokhina, Maria (2021)
Assistant Professor of Art
BA, Moscow State Linguistic University (2017)
MFA, University of Florida (2021

Bowen, Lindsey F. (2015)
Lecturer of Biology
BS, Lander University (2010)
MS, Clemson University (2020)

Brizek, Michael G. (2015)
Professor of Management
BS, University of South Carolina (1994)
MHRTA, University of South Carolina (1995)
Ph.D., Virginia Polytechnic Institute and State University (2003)

Brodhacker, K. Lisa (2006)
Professor of Chemistry
BS, Piedmont Baptist College (1996)
Ph.D., University of South Carolina (2006)

Buchanan, Lauren Haynes (2020)
Clinical Instructor of Nursing
BSN, Lander University (2018)

Butler, Ann E. (2006)
Senior Instructor of Biology
MS, Clemson University (2013)
MA, Miami University (2015)

Carmichael, Martin (2012)
Professor of Physical Education and Exercise Science
BS, University of South Carolina (1996)
Ph.D., University of South Carolina (2006)

Carpenter, Cory (2015)
Assistant Professor of Media and Communication
BA, Covenant College (1999)
MFA, Savannah College of Art and Design (2014)

Carson, Linda A. (2005)
Associate Professor of Criminology and Sociology
BS, Houston Baptist University (1979)
MSW, University of Houston (1991)

Caruso, Caryn (2021)
Lecturer of Teacher Education
BS, Virginia Tech (1995)
M.Ed., George Mason University (1998)
Ph.D., Virginia Tech (2021)

Cleveland, Mandy J. (2011)
Professor of Psychology
BS, University of Southern Indiana (2002)
MA, Ball State University (2006)
Ph.D., Ball State University (2012)
Distinguished Professor Award (2020)

Coats, Rachel J. (2014)
Assistant Professor of Nursing
BS, Lander University (2009)
MSN, Clemson University (2014)

Colbert, James E., Jr. (2007)
Professor of Chemistry
BS, Wofford College (1984)
Ph.D., Georgia Institute of Technology (1989)

Collier, Matthew (2018)
Assistant Professor of Teacher Education
BA, Mississippi State University (2005)
MA, Belmont University (2010)
Ph.D., Mississippi State University (2018)

Corbitt, Lauren J. (2010)
Senior Lecturer of Spanish
BA, Furman University (2008)
MA, Indiana University (2010)

Craig, Whitney R. (2019)
Assistant Professor of Chemistry
BS, Shorter University (2011)
Ph.D., Miami University (2017)

Craton, Lillian E. (2007)
Professor of English
BA, University of North Carolina at Chapel Hill (1998)
MA, Emory University (2005)
Ph.D., Emory University (2006)
Distinguished Professor Award (2013)

Crawford, Julie (2016)
Assistant Professor of Nursing
BSN, Mercer University (1998)
MSN, Mercer University (2010)

Cuenin, Brittany (2012)
Senior Lecturer of English
BA, Clemson University (2005)
MA, Clemson University (2010)

Dahlberg, Dori Lollis (2016)
Assistant Professor of Nursing
BS, Lander University (1997)
MSN, Clemson University (2003)
DNP, Anderson University (2019)

Davis, Ashton (2020)
Lecturer of Chemistry
BS, College of Charleston (2011)
MS, University of Florida, Gainesville (2014)
Ph.D., University of Florida, Gainesville (2016)

Deady, Michelle L. (2016)
Senior Lecturer of Physics
BS, Ohio State University (2010)
Ph.D., University of Toledo (2016)

Delach, Diana L. (2014)
Associate Professor of Environmental Chemistry
BS, Binghamton University (2008)
Ph.D., Clemson University (2012)

Donaubauer, Elyse (2020)
Assistant Professor of Biology
BS, University of Wisconsin (2009)
Ph.D., Washington State University (2016)

Downs, John M., (2021)
Assistant Professor of Finance
BA, Thomas More College (2005)
MPA, Northern Kentucky University (2007)
DBA, Jacksonville University (2020)

Dukes, Albert D. (2011)
Professor of Chemistry
BS, Clemson University (2005)
Ph.D., Vanderbilt University (2011)

Duncan, Christopher E. (2007)
Professor of Mathematics
BS, University of South Carolina Upstate (2000)
MS, Tulane University (2006)
Ph.D., Tulane University (2007)

Elmahdi, Elbasher (2021)
Assistant Professor of Computer Information Systems
BS, College of Electronics Technology (2001)
MS, Libyan Academy (2011)
MS, The University of Alabama in Huntsville (2020)
Ph.D., The University of Alabama in Huntsville (2021)

Farmer, Michael R. (2017)
Lecturer of Teacher Education
M.Ed., Lesley University (2007)
Ph.D., Lesley University (2016)

Fekula, Michael J. (2021)
Professor of Management
BS, Lehigh University (1979)
MBA, University of Wyoming (1981)
Ph.D., The Pennsylvania State University (1994)

Fernandez, Susan (2015)
Associate Professor of Education
BA, Clemson University (1978)
M.Ed., Clemson University (1979)
Ed.D., Union Institute and University (2011)

Figueira, Robert C. (1991)
Professor of History
BA, Wesleyan University (1973)
MA, Cornell University (1976)
Ph.D., Cornell University (1980)

Floyd, Haley (2017)
Lecturer of Art
BS, Lander University (2013)
MFA, Clemson University (2016)

Floyd, M. Ryan (2010)
Professor of History
BS Ed, Samford University (1998)
MA, University of Alabama at Tuscaloosa (2004)
Ph.D., University of Alabama at Tuscaloosa (2010)

Fowler, David Squire (2021)
Assistant Professor of Business Administration
BBA, University of Louisiana at Monroe (2012)
MBA, Mississippi State University (2014)
Ph.D., University of Texas at Tyler (2018)

Gallo, Reed P. (2008)
Professor of Music
BM, Kent State University (1996)
MM, Temple University (1998)
DMA, University of Illinois at Urbana-Champaign (2007)

Gardiner, Robert A. (2002)
Professor of Music
BM, University of South Carolina (1990)
MM, DePaul University (1997)
DMA, University of South Carolina (2008)

Gardner, David E. (2002)
Professor of Chemistry
BS, Carnegie-Mellon University (1994)
MS, Purdue University (2000)
Ph.D., Purdue University (2002)

Gemberling, Tess M. (2018)
Assistant Professor of Psychology
BA, University of Arizona (2012)
MA, Sam Houston State University (2014)
Ph.D., University of Alabama (2018)

Going, Susan C. (1973)
Emeritus Associate Professor
BS, Knox College (1972)
M.Ln., Emory University (1973)

Griffin, Patty (2019)
Lecturer of Mathematics
BS, Lander University (1991)
MS, University of South Carolina (1993)

Hansknecht, Kerry A. (2009)
Professor of Biology
BS, George Mason University (2000)
MS, Central Michigan University (2003)
Ph.D., University of Tennessee at Knoxville (2009)

Harrison, Daniel M. (2005)
Professor of Sociology
BA, New College of the University of South Florida (1993)
MS, Florida State University (1996)
Ph.D., Florida State University (2001)

Harwood, Grace Sara (2021)
Lecturer of English
BA, University of Toronto (2007)
MA, University of Windsor (2010)
Ph.D., Georgia State University (2018)

Hayes, Mary Melissa (2018)
Assistant Professor of Biology
BS, Wofford College (2007)
MS, Clemson University (2010)
Ph.D., Clemson University (2013)

Haynes, Paula B. (2008)
Associate Professor of Nursing
BS, Lander University (1992)
MSN, Clemson University (2008)
DNP, University of South Alabama (2017)

Hester, Laura E. (2006)
Associate Professor of Media and Communication
BA, Salem College (1983)
MMC, University of South Carolina (1996)

Hollifield, Jeffrey M. (2011)
Senior Lecturer of Chemistry
BS, Furman University (1984)
MS, Furman University (1986)
MS, McCrone Research Institute (2005)

Holloway, Jonathan O. (2008)
Professor of Art
BA, St. Andrews Presbyterian College (1991)
MFA, Savannah College of Art and Design (1997)

Holtzclaw, Amanda (2017)
Lecturer of Nursing
BSN, University of Wyoming (2013)
MSN, Lander University (2019)

Horne, Kelli S. (2018)
Assistant Professor of Accounting
BBA, Brenau University (1998)
MBA, Strayer University (2007)
DBA, Nova Southeastern University (2015)

Houston, Michael (2021)
Lecturer of Marketing
BS, Victory University (2008)
MS, The University of Memphis (2012)
MBA, The University of Memphis (2015)

Hoyle, Carol (2017)
Associate Professor of Special Education
BS, Winthrop University (1984)
M.Ed., Winthrop University (1987)
Ph.D., University of South Carolina (2011)

Hunt-Barron, Sarah (2021)
Professor of Education
BA, Boston College (1993)
MA, Furman University (2006)
Ph.D., Clemson University (2011)

Iriarte, Walter J. (2021)
Assistant Professor of Media and Communication
BA, Shawnee State University (1992)
MA, Marshall University (2007)
Ph.D., Clemson University (2015)

Jackson, Edward (2020)
Assistant Professor of Montessori Education
BBA, Kennesaw State University (1992)
M.Ed., Loyola University, Maryland (2006)

Jameson, Andrew L. (2010)
Associate Professor of English
BA, Clemson University (1996)
MA, Clemson University (2001)
Ph.D., University of Georgia (2010)

Jameson, Misty L. (2008)
Professor of English
BA, Mississippi State University (1997)
MA, Mississippi State University (1999)
Ph.D., University of Georgia (2008)
Distinguished Professor Award (2020/2021)

Johnson, Amanda Rebecca (2021)
Lecturer of English
BA, Clemson University (2004)
MA, Clemson University (2008)

Jones, Scott L. (2019)
Provost and Executive Vice President for Academic Affairs
BS, Illinois State University (1990)
MA, Purdue University (1992)
PhD, Purdue University (2002)

Kelley, Robert T. (2005)
Professor of Music
BM, Furman University (1998)
MM, James Madison University (2000)
Ph.D., Florida State University (2005)

Kenney, Tod James (2017)
Assistant Professor of Teacher Education
BA, Bowling Green State University (1981)
MA, Wesleyan University (1987)
Ed.D., Central Connecticut State University (2008)

Kerr, Laura Jean (2021)
Lecturer of Sociology
BS, The University of Southern Mississippi (20030
MS, Mississippi State University (2010)

Kimbell, Ryan (2021)
Instructor of Biology
B.S., Clemson University (2011)
M.S., Georgia State University (2020)

King Crystal (2021)
Assistant Professor of Nursing
BS, Anderson University (2007)
BSN, Lander University (2011)
MSN, Walden University (2014)

King, Sarah E. (2020)
Assistant Professor of Criminology
BA, University of Central Florida (2013)
MA, University of Central Florida (2015)
Ph.D., University of South Carolina (2020)

Kirby, B. Kym (2006)
Professor of Physical Education
BS, Clemson University (1982)
MAT, University of South Carolina (1998)
Ph.D., University of South Carolina (2005)

Klann, Richard (2021)
Lecturer of Biology
BA, Westminster College (1983)
MA, University of Missouri, Columbia (1987)
Ph.D., University of Missouri, Columbia (1988)

Kresse, Christopher S. (2022)
Lecturer of Media and Communication
BA, Clemson University (2010)
MA, Clemson University (2015)

La Croix, Andrew Dylan (2019)
Assistant Professor of Chemistry
BS, Lander University (2012)
Ph.D., Vanderbilt University (2018)

Layland, Ralph C. (1999)
Professor of Chemistry
BS, University of Scranton (1991)
Ph.D., University of South Carolina (1996)
Distinguished Professor (2005)

Leach, Trevor (2019)
Assistant Professor of Mathematics
BA, University of Kentucky (2014)
MA, University of Louisville (2016)
Ph.D., University of Louisville (2019)

Lee, Ashley (2011)
Associate Professor of Nursing
BSN, Georgia Baptist College of Nursing (1999)
MSN, Regis University (2010)

Lee, Gilliean (2005)
Professor of Computer Information Systems
BS, Sogang University, Seoul, Korea (1992)
MS, Sogang University, Seoul, Korea (1994)
MS, University of Florida, Gainesville (2003)
Ph.D., University of Florida, Gainesville (2005)

Lee, Jason P. (2007)
Professor of Biology
BS, Lander University (2000)
Ph.D., University of Colorado (2007)

Lopes, Pedro (2012)
Professor of Spanish
BA, Instituto Erasmus De Ensino Superior (1995)
MA, University of North Carolina at Chapel Hill (1998)
Ph.D., University of North Carolina at Chapel Hill (2004)

Love, C. Renee (2004)
Professor of English
BA, North Carolina State University (1991)
MA, North Carolina State University (1995)
Ph.D., Georgia State University (2004)

Lubecke, André M. (1987)
Professor of Mathematics
BA, Glassboro State College (1975)
MS, University of South Carolina (1977)
Ph.D., University of South Carolina (1985)
Distinguished Professor (2003)

Lucas, Carrie B. (2007)
Senior Lecturer of Physical Education and Exercise Science
BS, Indiana State University (1985)
MS, University of Kentucky (2009)

Lynch, Bruna Turi (2019)
Assistant Professor of Physical Education and Exercise Science
BS. Sao Paulo State University (2010)
MS, Sao Paulo State University (2012)
Ph.D., Sao Paulo State University (2015)

Malone, Matthew A. (2017)
Assistant Professor of Political Science and Homeland Security
BS, University of North Alabama (2008)
MA, University of Alabama at Huntsville (2010)
Ph.D., Auburn University (2017)

Martin, Laura (2017)
Assistant Professor of English
BA, New York University (2012)
MFA, Georgia College (2016)

Mash, S. David (2009)
Librarian
BS, Southern Methodist University (1979)
Th.M., Dallas Theological Seminary (1985)
MS, University of North Texas (1987)
Ph.D., University of South Carolina (2008)

Maze, Jennifer J. (2002)
Professor of Biology
BA, Slippery Rock University (1994)
MS, West Virginia University (1997)
Ph.D., West Virginia University (2002)

Maze, Timothy D. (2003)
Professor of Biology
BS, West Virginia State College (1995)
MS, Marshall University (1997)
Ph.D., West Virginia University (2002)
Distinguished Professor (2015)

McAbee, Douglas L. (2010)
Professor of Art
BA, Winthrop University (1994)
MFA, Winthrop University (2003)

McDonald, Lisa (2015)
Senior Lecturer of Biology
BS, Central Michigan University (2000)
MS, Central Michigan University (2004)

McDowell, Liz (2012)
Associate Professor of Nursing
BSN, University of South Carolina (2000)
M.Div., Vanderbilt University (2004)
Ph.D., Vanderbilt University (2012)

McGee-Anderson, Starlyn (2015)
Senior Lecturer of English
BA, University of Louisiana at Lafayette (1993)
MFA, University of Arkansas (2006)

McLaughlin-Rojas, Kathryn (2012)
Senior Lecturer of English
BA, DePaul University (1997)
MA, Southern Illinois University at Carbondale (2003)

McLeod, Asole TaQuesa (2018)
Assistant Professor of Health Care Management
BS, University of South Carolina (1997)
BS, University of South Carolina (2001)
MA, Webster University (2003)
MBA, Webster University (2004)
Ph.D., University of South Carolina (2012)

McMillan, Samuel Lucas (2008)
Professor of Political Science
BA, Wofford College (2002)
MA, University of Warwick (2004)
Ph.D., University of South Carolina (2008)

Mentley, Carl R. (2006)
Professor of Spanish
BA, Michigan State University (1980)
MA, Michigan State University (1983)
Ph.D., Cornell University (1992)

Moore, Gail D. (2007)
Professor of Accounting
BS, University of South Carolina (1992)
JD, University of South Carolina (1995)
Distinguished Professor Award (2016)

Moore, John G. (1998)
Professor of Philosophy
BA, Emory University (1987)
MA, Emory University (1991)
Ph.D., Emory University (1998)

Myers, Leisa Weston (2003)
Associate Professor of Nursing
BA, Erskine College (1978)
BS, Lander University (1995)
MSN, University of South Carolina (2002)

Nazim-Starnes, Asma (2012)
Associate Professor of Art
BA, Florida Southern College (2005)
MFA, Florida Atlantic University (2010)

Neufeld, Chuck (2010)
Professor of Music
BA, Tabor College (1984)
MM, Southwestern Baptist Theological Seminary (1988)
DMA, Arizona State University (1999)

Neufeld, Judith A. (2002)
Professor of Education
BA, Tabor College (1983)
M.Ed., Texas Christian University (1988)
Ph.D., Arizona State University (1999)

Nix, P. Marie (2008)
Professor of Psychology
BA, University of North Carolina at Chapel Hill (1993)
MS, University of Georgia (1996)
Ph.D., University of Georgia (2002)

Noffz, Roni Marie (2019)
Clinical Instructor of Nursing
BS, Lander University (2015)

Noonkester, Lila D. (1988)
Associate Professor of Music
BM, Oberlin College (1982)
MM, Eastman School of Music (1984)
DMA, Eastman School of Music (1988)

Oskar-Poisson, Christine A. (2021)
Assistant Professor of Teacher Education
BA, University of New Hampshire (1992)
MAT, University of New Hampshire (1993)
Ed.D., New England College (2018)

Ouzts, M. Paige (2003)
Professor of Physics
BS, Furman University (1993)
MS, University of Alabama-Tuscaloosa (1997)
Ph.D., University of Alabama-Tuscaloosa (2000)
Distinguished Professor (2010)

Pack, Tamara (2018)
Assistant Professor of Teacher Education
BA, Johnson State College (2010)
M Ed, University of Southern New Hampshire (2016)
Ed.D., Liberty University (2020)

Parker, Shaunette R.B. (2018)
Clinical Assistant Professor of Psychology
BA, Indiana University (2002)
MS, Martin University (2007)
Ph.D. Walden University (2016)

Parrilla, Osvaldo (2007)
Professor of Spanish
BA, College of the Virgin Islands (1986)
MA, New York University (1987)
Ph.D., Texas Tech University (1999)

Peters, Matthew R. (2016)
Associate Professor of Management
BA, Mercer University (2007)
MBA, University of West Georgia (2012)
Ph.D., Southern Illinois University (2016)

Pilgrim, Mark J. (2010)
Professor of Biology
BS, College of Charleston (1997)
Ph.D., Medical University of South Carolina (2004)

Prince, Emily K. (2015)
Associate Professor of Biology
BS, King College (2002)
Ph.D., Georgia Institute of Technology (2008)

Pruitt, Kayla (2022)
Clinical Instructor of Nursing
BS, Lander University (2012)

Rains, Cherie (2018)
Assistant Professor of Marketing
BA, Trenton State College (1994)
MA, Syracuse University (1996)
Ph.D., Purdue University (1999)

Ramsey, William L. (2008)
Professor of History
AB, University of Georgia (1989)
MA, Valdosta State University (1992)
Ph.D., Tulane University (1998)

Rausch, Franklin D. (2012)
Associate Professor of History
BA, Indiana University, Bloomington (2000)
MA, Indiana University, Bloomington (2002)
Ph.D., University of British Columbia (2011)
Distinguished Professor Award (2019)

Reed, Samuel D. (2021)
Assistant Professor-of Mathematics
BS, Millersville University (2015)
MA, Bowling Green State University (2018)
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INDEX

Absence, Leave of *see Temporary Leave*
Academic Alert 34
Academic Awards 46-52
Academic Colleges
  Arts and Humanities 64-131
  Behavioral and Social Sciences 132-185
  Business 186-210
  Education 211-235
  Interdisciplinary Studies 314-321
  Science and Mathematics 236-195
  The William Turner School of Nursing 296-313
Academic Courses
  Undergraduate 322-431
Academic Departments and Schools
  Art + Design 68-87
  Biology 239-247
  Business 188-210
  English and Foreign Languages 88-104
  Government, Criminology and Sociology 136-160
  History and Philosophy 161-174
  Interdisciplinary Studies 314-321
  Media and Communication 105-111
  Mathematics and Computing 268-295
  Military Science 183-185
  Music 112-131
  Nursing 298-313
  Physical Education and Exercise Science 228-235
  Physical Sciences 248-267
  Psychological Science and Human Services 175-185
  Teacher Education 214-227
Academic Honor Code 31
Academic Honors 40
  Graduation 44
  Semester 40
Academic Probation 40-41
Academic Programs 7-9
  Undergraduate Programs 63-321
Academic Regulations and Procedures 31-45
  Academic Honor Code 31
  Academic Honors 40
  Academic Renewal 19, 39-40
  Academic Success Center 33-34
  Advanced Placement 32
  Advanced Standing 32
  Attendance 38-39
  Auditing 16, 35
  Certificates 43
  College-Level Examination Program 32
  Course Substitutions 21, 36
  Credits, Course Load, and Classification 34-37
  Degree Requirements 41-42
  Directed Independent Studies 35
  Email 28, 31
  English Fluency in Higher Education 31
  Expulsion 41
  Grade Appeals 38
  Grade Point Average 38
  Grading System 37-38
  Graduating Under a Catalog 42
  Graduation
    Application 43
    Fees 23
    Golden L Award 44
    Honors 44
    Posthumous Degrees 43
  International Baccalaureate Diploma Programme 32
  Internships 35, 54, 55
  Overload 23, 34-35
  Petitions 44-45
  Placement Tests 33
    Criteria 31-32
    English 31
    Foreign Language Placement Policy 32
  Probation, Academic 40-41
  Relief from a Requirement 36
  Repetition of Coursework 35
  Second Undergraduate Degree 15, 42
  Study at Other Institutions 36-37
  Suspension, Academic 41
  Temporary Leave 39
  Transcripts 10, 38
  Transfer Credit for Registered Nurses 32
  Transfer Equivalencies 36
  Walt Disney World College Program 33
  Withdrawal 39
Academic Renewal 19, 39-40
Academic Scholarships
  Eligibility Policy 29
  Renewal Policy 29-30
Academic Success Center 33-34
  Academic Alert 34
  Tutoring Services 33-34
Academic Suspension 41
Accounting Emphasis 188, 197-198
Accreditation 6
Admission, Undergraduate 10-22
  Academic Renewal 19, 39-40
  Application Process 10-11
  Advanced Placement 32
  Advanced Standing 33
  Auditing 16, 35
  Concurrent Enrollment 16
  Degree-Seeking Admission 11-15
  Dual Enrollment 16
  Freshman Admission 11-12
  Immunization Requirements 19-20
  International Students 16-18
  Military Students/Veterans Affairs 18
  Non-Degree Seeking 15-16
  Readmission 14-15
  Recertification 16
  Second Undergraduate Degree 15, 42
  Special Students 15
  Students with Disabilities Policy 20-22, 34
  Transcripts 10, 38
  Transfer Admission 12-14
  Transfer Credits 13-14, 43
  Transfer Evaluation 13-14
  Transient 16
Advanced Placement 32
Advanced Standing 33
Application Process 10-11
Applied Music 23, 114, 397-398
Art + Design 64-88
  Art History Minor 71
  Ceramics Minor 71
  Design Minor 71
  General Studio Minor 71
  Graphic Design 67, 73-75
  Mission 68
  Painting and Drawing Minor 72
  Photography Minor 72
  Sculpture Minor 72
  Vision 67
  Visual Art Major 69, 82-84
    Program Objectives 69
    Admission Procedure 69
    Program Specialization 70
  Visual Art - Teacher Certification 70-71, 85-87
  Visual Art (BFA) Major 68
  Visual Art (BFA) Major – 2D Studio 69, 76-78
  Visual Art (BFA) Major – 3D Studio 69, 79-81
  Visual Art (BFA) Program Objectives 68
    Admission Procedure 68-69
    Program Specialization 69
Art History Minor 71
Assessment of Institutional Effectiveness 7
Attendance 38-39
Articulation Agreements 54-55
Auditions, Music 115
Awards
  Academic Awards 46-52
  Faculty 53
  Service 53
Bachelor of Applied Science - Business Administration Major 188, 196
Biology 239-247
  Biology Major 239-240, 242-243
  Biology – Genetics 240, 244-245
  Biology Honors 240-241
  Biology Minor 241
  Medical Biology 240, 246-247
  Pre-Medical Program 241
  Pre-Occupational Therapy Program 241
  Pre-Physical Therapy 241
  Pre-Professional Curricula 241
Biology Minor 241
Business 186-210
  Bachelor of Applied Science - Business Administration Major 188, 196
  Business Administration - Accounting 188, 197-198
  Business Administration - Financial Services 188, 195-196
  Business Administration - Health Care Management 188-189, 201-202
  Business Administration – Hospitality Management 189, 203-204
  Business Administration – Information Technology (IT) Management 189, 205-206
  Business Administration - Management/Marketing 189, 207-208
  Business Administration Minor 190
  Business Administration – Sports Management 189, 209-210
  Entrepreneurship Major 193-195

Entrepreneurship Minor 190
Esports Management and Administration Minor 190
Health Care Management Minor 190-191
International Business Minor 191
Sports Management Minor 191-192
Business Administration Minor 190
Call Me Mister 218
Ceramics Minor 71
Chemistry-Dual Engineering 250-251, 256-257
Chemistry–Forensic Science 251, 258-259
Chemistry–Health Sciences 251, 260-261
Chemistry Honors 249
Chemistry Major 248-249, 254-255
Chemistry Minor 252
Chemistry – Secondary Certification 249-250, 262-263
Child and Family Studies Minor 178
CLEP Examinations 32
College Seminar 34
Computer Information Systems Major 268-270
Computer Information Systems Honors 270
Computer Information Systems Minor 274
Computer Information Systems/Engineering Dual Degree Program 270-271, 276-277
Computer Information Systems – Networking 278-279
Computer Information Systems – Software Development 280-281
Concurrent Enrollment 16
Cooperative Education 54-55
Cooperative Programs With Other Institutions 54-55
Course Substitutions 21
Courses of Study 321-430
Credit Hour, Definition 34
Criminology Major 136, 138-139
Criminal Justice Minor 136-137
Cybersecurity- CIS Major 282-283
Cybersecurity Minor 274
Cybersecurity-Political Science 140-141
Data Science -Business Analytics Major 283-284
Data Science – CIS Major 286-287
Data Science – Mathematics Major 288-289
Data Science Minor 274
Dean's List 40
Degree Requirements 41-42
Credit in a major 42
Credit in a minor 42
Degrees, Majors, Minors 7-9
Digital Media Production Major 105, 108-109
Directed Independent Studies 35
Disabilities, Students with 20-22, 34
Design Minor 71
Disney World College Program 33
Dual Enrollment 16
Early Childhood Education 220-221
Emphasis in Montessori 217, 222-223
Educational Program 7-9
Elementary Education 224-225
Email 28, 31
Emeriti Faculty 431
Engineering Dual-Degrees
Chemistry 250-251, 256-257
Computer Information Systems 271, 276-277
Mathematics Dual Degree 271, 292-293
English and Foreign Languages 88-104
English Major 88, 93-94
English Major – Professional Writing Emphasis 95-97
English Minor 89
English-Teacher Certification 88-89, 98-100
European Studies Minor 91-92
French Minor 91
Humanities 101-102
Spanish Major 90-91, 103-104
Spanish Minor 91
Writing Minor 89-90
English Fluency in Higher Education 31
English Major 88, 93-94
English Major - Professional Writing Emphasis 95-97
English Minor 89
English Placement 31
English-Teacher Certification 88-89, 98-100
Entrepreneurship Major 193-195
Entrepreneurship Minor 190
Environmental Science – Forensic Science 252, 266-267
Environmental Science Major 251-252, 264-265
Environmental Science Minor 252
Esports Management and Administration Minor 190
Ethics Minor 162-163
European Studies Minor 91-92
Exercise Science Major 228-229, 232-233
Experience Your Education Program 55
Expulsion 41
EYE Program 55
Faculty 432-440
Faculty Awards 53
FALS 62, 365
Fees and Expenses 23-25
Applied Music 23
Audit 23
Course Overload 23
Freshman Orientation 23
Housing Application Fee 24
International Students 23
Graduation 23
Late Registration Fee 23
Nursing Special Expenses 24
Refund Policy 24-25
Returned Checks 24
Single Room 24
Textbooks 24
Tuition Full-Time Students 23
Vehicle Registration Fee 24
Film Studies Minor 106
Financial Aid 26-30
Adjustments to Aid 28
Application Process 26
Installment Payment Plan 28
Mail and Email 28
Return of Title IV Funds 29
Satisfactory Academic Progress 27
Appeals 28
Evaluation Procedure 28
Scholarships
Eligibility Policy 29
Renewal Policy 29
Student Work Programs 29
Summer School Aid 29
Types of Aid 26
Financial Services Emphasis 188, 195-196
Fine Arts and Lectureship Series 62, 365
Foreign Language Placement Policy 32
Forensic Science Minor 253
French Minor 91
Freshman Admission 11-12
Freshman Honor Roll 40
Freshman Orientation 23
General Education 59-61
General Studio Minor 71
Genetics Emphasis 240, 244-245
Genetics Health Studies Certificate 303
Global Scholars 57
Golden L Award 44
Government, Criminology, and Sociology 136-160
Criminology Major 136, 138-139
Criminal Justice Minor 136-137
Cybersecurity-Political Science 140-141
International Studies Major 142, 144-146
International Studies Minor 142-141 143, 163
Homeland Security Minor 150-151
Non-Profit Management Minor 151
Paralegal Studies Major 146, 148-149
Political Science Major 150, 154-155
Political Science Minor 151-152
Political Science Major - Public Administration Emphasis 150, 157-155
Pre-Law Minor 152-153
Pre-Law Recommendations 152
Public Administration Minor 153
Sociology Major 158, 159-160
Sociology Minor 158
Grade Appeals 38
Grade Point Average 38
Grading System 37-38
Graduating Under a Catalog 42
Graduate Programs see Graduate Catalog (online)
Graduation
Application 43
Fees 23
Golden L Award 44
Honors 44
Posthumous Degrees 43-44
Graphic Design 67, 73-75
Handicapped Students Policy (See Disabilities, Students with)
Health Care Management Emphasis 188-189, 201-202
Health Care Management Minor 190-191
History and Philosophy 161-174
Ethics Minor 162-163
History Major 161
BA Degree 161, 167-168
BS Degree 161, 169-170
History Minor 163
History Secondary Social Studies Teacher Certification 161-162, 173-174
International Studies Minor 163
Philosophy Minor 163-164
Pre-Law Minor 163
Public History Major 161, 171-172
Public History Minor 164
Religion Minor 164-165
Warfare, Military, and Diplomatic Studies Certificate 165-166
History Minor 163
History of the University 5

Homeland Security Minor 150-151
Honors
  Academic 40
  Major Program 44
  Graduation Honors 44
  Semester 40
Honors College 55-57
Hospitality Management Emphasis 185, 199-200
Humanities Major 101-102
Human Services Major 176, 179-180
Human Services Minor 176
IB 32
Immunization Requirements 19-20
Information Technology (IT) Management 189, 205-206
Information Technology Minor 274-275
Institutional Effectiveness
  Assessment 7
Interdisciplinary Studies 313-320
  Admission 316
  Program Requirements 316
  Proposing a new module 316
  Model Module Program Requirements Templates
    BA Interdisciplinary Studies 317-318
    BS Interdisciplinary Studies 319-320
International Baccalaureate Diploma Programme 32
International Business Minor 191
International Students
  Admission 16-18
  Immunization 20
  Insurance 18
  Transfer evaluation 14
International Studies Major 142, 144-146
International Studies Minor 142-141 143, 163
Internships 35, 54, 55
Lander University Student Wellness Center 22
Late Registration Fee 23
Leave of Absence *see Temporary Leave*
Legal Resident Defined 23
LINK 101 379
Major Program Honors 44
Majors 7-9
Management/Marketing Emphasis 189, 207-208
Mathematics and Computing 268-295
  Computer Information Systems Major 268-270
  Computer Information Systems Honors 270
  Computer Information Systems Minor 274
  Computer Information Systems/Engineering Dual Degree Program 270-271, 276-277
  Computer Information Systems – Networking 278-279
  Computer Information Systems – Software Development 280-281
  Cybersecurity- CIS Major 282-283
  Cybersecurity Minor 274
  Data Science -Business Analytics Major 283-284
  Data Science – CIS Major 286-287
  Data Science – Mathematics Major 288-289
  Data Science Minor 274
  Information Technology Minor 274-275
  Mathematics Dual Engineering 271, 292-293
  Mathematics Major 271-272, 290-291
  Mathematics Honors Program 273-274
  Mathematics Minor 275
  Mathematics Secondary Teacher Certification 272-273, 294-295
Media and Communication 105-111
  Digital Media Production Major 105, 108-109
  Film Studies Minor 106
  Media and Communication Major 105, 110-111
  Media and Communication Minor 106
  Media Writing Minor 106-107
  Public Relations Minor 107
  Speech and Performance Minor 107
  Sports Media Minor 107
Media and Communication Minor 106
Media Writing Minor 106-107
Medical Biology 240, 246-247
Military Science 183-185
  Military Science and Leadership Minor 184-185
Military Science and Leadership Minor 184-185
Military Students 18
Minors/Certificates 9
  (see specific minor or certificate)
Mission Statement, Lander 5
Music 112-131
  Applied Music 23, 114, 397-398
  Auditions 115
  Career Opportunities 113
  Goals 112
  Music - Choral (K-12) 123-125
  Music - Instrumental 117-118
  Music - Instrumental (K-12) 126-128
  Music - Keyboard 119-120
  Music - Keyboard (K-12) 129-131
  Music History Minor 115-116
  Music Major 112
    Degree options 113-114
  Music Minor 116
  Music Teacher Certification (K-12) 112-113
  Music Vocal 121-122
  Performance 114-115
Music History Minor 115-116
Music Minor 116
Non-Profit Management Minor 151
Nursing 298-313
  Genetics Health Studies Certificate 303
  Public Health – Genetic Health Studies Emphasis 312-313
  Public Health Major 309, 310-311
  Public Health Minor 303
  Nursing (Prelicensure) 298-301, 304-306
  RN to BSN Completion 301-303, 307-308
  Special Expenses 24
  Transfer Credit for Registered Nurses 32
Overload 23, 34-35
Painting and Drawing Minor 72
Paralegal Studies Major 146, 148-149
Part-Time Students 23, 115
Petition, Students' Right to 44-45
Petitions 44-45
Philosophy Minor 163-164
Photography Minor 72
Physical Education and Exercise Science 228-235
  Exercise Science Major 228-229, 232-233
  Physical Education Teacher Certification 229-231, 234-235
Physical Education Teacher Certification 229-231, 234-235
Physical Sciences 248-267
  Chemistry-Dual Engineering 250-251, 256-257
  Chemistry – Forensic Science 251, 258-259
  Chemistry – Health Sciences 251, 260-261
  Chemistry Honors 249
  Chemistry Major 248-249, 254-255
  Chemistry Minor 252
  Chemistry – Secondary Certification 249-250, 262-263
  Environmental Science-Forensic Science 252, 266-267
  Environmental Science Major 251-252, 264-265
  Environmental Science Minor 252
  Forensic Science Minor 253
  Pre-Professional Curricula 253
Placement Tests 33
  English 31
  Foreign Language Placement Policy 32
Political Science Major 150, 154-155
Political Science Major - Public Administration Emphasis 150, 157-155
Political Science Minor 151-152
Posthumous degrees 43-44
President's Award 53
President's List 40
Pre-Law
  Minor 152-153, 163
  Recommendations 152
Pre-Professional Curricula
  Biology 241
  Physical Sciences 253
Pre-Social Work Minor 177
Probation, Academic 40-41
Program Requirements
  College of Arts and Humanities
    BA English 93-94
    BA English - Professional Writing 95-97
    BA English - Secondary Certification 98-100
    BA Humanities 101-102
    BA Spanish 103-104
    BA Visual Art 82-84
    BA Visual Art K-12 Teacher Certification 85-87
    BDes Graphic Design 73-75
    BFA Visual Art – 2D Studio 76-78
    BFA Visual Art – 3D Studio 79-81
    BS Digital Media Production 108-109
    BS Media and Communication 110-111
    BS Music – Instrumental 117-118
    BS Music – Keyboard 119-120
    BS Music – Vocal 121-122
    BS Music - Teacher Certification K-12 – Choral 123-125
    BS Music - Teacher Certification K-12 – Instrumental 126-128
    BS Music - Teacher Certification K-12 – Keyboard 129-131
  College of Behavioral and Social Sciences

BA History 161, 167-168
BS Criminology 138-139
BS Cybersecurity - Political Science 140-141
BS History 161, 169-170
BS History-Public History 171-172
BS History - Secondary Social Studies Teacher Certification 173-174
BS Human Services 179-180
BS International Studies 144-146
BS Paralegal Studies 148-149
BS Political Science 154-155
BS Political Science - Public Administration 156-157
BS Psychology 181-182
BS Sociology 159-160
College of Business
BAS Business Administration 196
BA in Entrepreneurship 193-195
BS Business Administration - Accounting 197-198
BS Business Administration – Financial Services 199-200
BS Business Administration - Health Care Management 197-198
BS Business Administration – Hospitality Management 203-204
BS Business Administration – Information Technology (IT) Management 205-206
BS Business Administration - Management/Marketing 207-208
BS Business Administration – Sports Management 209-210
College of Education
BS Early Childhood Education 220-221
BS Early Childhood Education-Montessori 222-223
BS Elementary Education 224-225
BS Exercise Science 232-233
BS Physical Education K-12 Teacher Certification 234-235
BS Special Education 226-227
College of Science and Mathematics
BS Biology 242-243
BS Biology - Genetics 244-245
BS Chemistry 254-255
BS Chemistry-Dual Engineering 256-257
BS Chemistry – Forensic Science 258-259
BS Chemistry – Health Sciences 260-261
BS Chemistry – Secondary Certification, 262-263
BS Computer Information Systems - Dual Engineering 276-277
BS Computer Information Systems - Networking 278-279
BS Computer Information Systems - Software Development 280-281
BS Cybersecurity- CIS 282-283
BS Data Science -Business Analytics 283-284
BS Data Science – CIS 286-287
BS Data Science – Mathematics 288-289
BS Environmental Science 264-265
BS Environmental Science – Forensic Science 266-267
BS Mathematics 290-291
BS Mathematics Dual Engineering 292-293
BS Mathematics - Secondary Teacher Certification 294-295
BS Medical Biology 246-247
The William Preston Turner School of Nursing
BS Nursing - Completion for Registered Nurses 307-308
BS Nursing (Prelicensure) 304-306
BS Public Health 310-311
BS Public Health – Genetic Health Studies Emphasis 312-313
Genetic Health Studies Certificate 303
Project CREATE – FALS 364
Psychological Science and Human Services 175-182
Child and Family Studies Minor 178
Human Services Major 176, 179-180
Human Services Minor 176
Pre-Social Work Minor 177
Psychology Major 175-176, 181-182
Psychology Minor 177
Psychology Minor 177
Public Administration Minor 153
Public Health – Genetic Health Studies Emphasis 312-313
Public Health Major 309, 310-311
Public Health Minor 303
Public History Major 161, 171-172
Public History Minor 164
Public Relations Minor 107
ROTC 183-184
Readmission 14-15
Recertification, Admission 16
Refund Policy 24-25
Relief from a Requirement 36
Religion Minor 164-165
Repetition of Coursework 35
Returned Checks 25
Role and Scope, Lander's 5-6
Satisfactory Academic Progress Financial Aid 27
Scholarships (see Academic Scholarships)
Sculpture Minor 72
Second Undergraduate Degree 15, 42
Secondary School Certifications (see subject areas)
Semester Honors 40
Service Award 53
Sociology Major 158, 159-160
Sociology Minor 158
Spanish Major 90-91, 103-104
Spanish Minor 91
Special Education Major 226-227
Special Programs 54-58
Special Students, Admission of 15
Speech and Performance Minor 107
Sports Management Emphasis 189, 209-210
Sports Management Minor 191-192
Sports Media Minor 107
Student Work Programs 29
Students' Right to Petition 44-45
Study Abroad Opportunities 57-58
Study at Other Institutions 36-37
Summer School Aid 29
Suspension, Academic 41
Teacher Education 214-227
Call Me Mister 218
Certification Areas 217
Early Childhood Education 220-221
Early Childhood Education - Montessori Emphasis 217, 222-223
Elementary Education 224-225
Preferred Dispositions 214-215
Special Education 226-227
Student Eligibility Guidelines 215-217
Teacher Education Majors 219
Teaching Fellows Program 218
Therapeutic Horsemanship Minor 218
Teaching Fellows Program 218
Technical Colleges Transfer and Articulation Agreements 54-55
Temporary Leave 39
Textbooks 24
Therapeutic Horsemanship Minor 218
Title IV Funds, Return of 29
Transcripts
Application Process 10
Requesting Lander transcripts 38
Transfer Credit for Registered Nurses 32
Transfer Equivalencies 36
Transfer Students
Admission 12-14
Foreign Language Placement 32
Transfer Evaluation 13-14
Transfer Officer 14
Transient 16
Tuition Full-Time Students 23
Tutoring Services 33-34
Undergraduate Academic Programs 63-321
Undergraduate Courses 322-431
Vehicle Registration Fee 24
VA Pending Compliance 18
Veterans Affairs 18
Vision Statement, Lander 5
Visual Art (BA) 69-71,82-84
Visual Art (BA) Major 69, 82-84
Program Objectives 69
Teacher Certification 70-71, 85-87
Visual Art (BFA) Major 68
Visual Art (BFA) Major – 2D Studio 69, 76-78
Visual Art (BFA) Major – 3D Studio 69, 79-81
Visual Art (BFA) Program Objectives 68
Admission Procedure 68-69
Program Specialization 69
Visual Art Minors 71-72
Art History Minor 71
Ceramics Minor 71
Design Minor 71
General Studio Minor 71
Painting and Drawing Minor 72
Photography Minor 72
Sculpture Minor 72
Visual Art Teacher Certification 70-71, 85-87
Walt Disney World College Program 33
Warfare, Military, and Diplomatic Studies Certificate 165-166
Western Piedmont Education Consortium 54
Withdrawal 39
Writing Minor 89-90