EMORY & HENRY
UNIVERSITY

# ACADEMIC CATALOG

2024-2025

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# The University

The oldest institution of higher learning in Southwest Virginia, Emory & Henry is a coeducational, church-related liberal arts university that began in Emory, Virginia. Today, in addition to undergraduate and masters level programs housed on its original campus, the university operates an equestrian and riding center near Bristol, Virginia, and a school of health sciences in Marion, Virginia awarding both masters and doctoral degrees. The university name is derived from two persons. John Emory was an eminent Methodist bishop of the era when the university was founded; he was the same person for whom Emory University in Atlanta was named. Patrick Henry was a renowned Virginian, a patriot of the American Revolution, and Virginia's first post-Colonial governor. The names were chosen to represent the guiding principles of the university: Christian leadership and distinctive statesmanship.

## History

Construction of the main Emory & Henry campus began in 1836, and the first students were enrolled in 1838. Emory & Henry University is one of the few in the South which have operated for more than 180 years under the same name and with continued affiliation with the founding organization. The founding organization was Holston Conference of the Methodist Episcopal Church, and Emory & Henry's church-relatedness remains strong. Today Emory & Henry is one of 122 institutions affiliated with The United Methodist Church.

Because of its distinguished history, the main campus of Emory & Henry is designated as a "historic district" on the National Register of Historic Places and the Virginia Historic Landmarks Register. Emory & Henry was granted the honor for having pioneered in efforts to establish higher education in rural Southwest Virginia.

Four individuals were instrumental in founding Emory & Henry by raising funds and locating a site for the original campus: Tobias Smyth, a local farmer and enthusiastic Methodist lay person; the Reverend Creed Fulton, a Methodist minister; Colonel William Byars, a distinguished Presbyterian and political leader; and Alexander Findlay, an Abingdon businessman. As a tribute to these founders, Tobias Smyth's log house, dating to about 1770, has been preserved on the campus for use as a museum and meeting place. Emory & Henry's first president, the Reverend Charles Collins, and the first three faculty members were graduates of Wesleyan University in Connecticut, a Methodist school with a reputation for academic excellence. That legacy has shaped the character and history of Emory & Henry.

From its founding until the outbreak of the Civil War, Emory & Henry enjoyed growth in enrollment, expansion of course offerings, and additions to the facilities. When the war came to Southwest Virginia, the University temporarily suspended classes, although the faculty remained on duty; the administration building was used as a Confederate hospital. Immediately after the Civil War, classes resumed, but the political and economic instability of that era made the late 1800s a time of struggle for the college. With the inauguration of Richard G. Waterhouse as president in 1893 and an improvement in the regional economy, enrollment stabilized and the college began an ambitious building program.

Women first enrolled at Emory & Henry in 1899, and true coeducation was implemented gradually over the next three decades. In 1918, the administration of Emory & Henry was merged with that of Martha Washington College, a Methodist-affiliated, all-female school in Abingdon. When Martha Washington College closed in 1931, many of the students transferred to Emory & Henry. Today, the site of the former college houses the Martha Washington Inn.

The Depression era of the 1930s provided a severe test for the college, but strict financial management implemented in the early 1940s, as well as a World War II contract to host a Navy V-12 program on campus, put the college back on sound footing. With strengthened finances and stable enrollments built partly by military veterans aided by the GI Bill®, Emory & Henry embarked on a massive building program during the era stretching from the mid-1950s into the early 1970s. During this time, the main campus was transformed by the construction of Memorial Chapel, Wiley Jackson Hall, the Van Dyke Center, Hillman Hall, the Kelly Library, the King Health and Physical Education Center, and other major construction and renovation projects. This period of construction established much of what is considered the heart of the main campus.

A new era of construction and renovation began on the main campus in the 1990s. Weaver and Carriger residence halls were thoroughly renovated, and Martin-Brock Gymnasium was transformed into the Student Activities Center.

A new Physical Plant Building was constructed. The train depot was converted to an arts complex, with two renovated galleries. The year 2000 saw the completion of a new academic center, McGlothlin-Street Hall, and the expansion of King Athletic Center to include the new Robert Gibson III Fitness Center. Two new residence halls were built in 2006 in The Village. In 2007-2013, the college again embarked on a number of notable facilities projects. Byars Hall was renovated and expanded, and Wiley Hall was completely renovated. Designed to be "green" buildings, both Byars and Wiley received LEED (Leadership in Energy and

Environmental Design) certification. Artificial turf, perimeter fencing, and field lighting were added to the main athletic field and the complex was named Fred Selfe Stadium. The James H. Brooks Field House was completed in 2012. A new residence hall in the central campus was constructed in 2010 and a second opened in 2013. In addition, a comprehensive master plan for future growth and expansion of the college was completed. The Woodrow W. McGlothlin Center for the Arts opened in 2015 and a new Village Housing complex added 200 beds in 2017.

In 2024, Emory & Henry College officially became Emory & Henry University.

Currently, Emory & Henry enrolls over 1,000 undergraduate students, almost equally divided between men and women, along with a growing number of graduate students both on the main campus and at the school of health sciences. These students join with a dynamic faculty and staff to pursue the university's motto: *Macte virtute*, "Increase in Excellence." The academic program described in this catalog reflects some of the same ideals set forth by the founding fathers in 1836: commitment to the concept of liberal arts education, a desire for education of high quality, and a concern for spiritual and ethical issues. At the same time, the academic program reflects a learning community that fulfills every student's potential and affirms the liberal arts as the intellectual foundation that leads to lives of service, productive careers, and global citizenship. Members of the University community are proud of its past and are excited about the future.

## Accreditation and Memberships

Emory & Henry University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate, masters, and doctorate degrees. Emory & Henry University also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Emory & Henry 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).

## Departments and Divisions of the University

Emory & Henry has twenty-seven academic departments and programs which are the primary academic units of the university. The departments are grouped into five academic divisions (Humanities, Visual & Performing Arts, Natural Sciences, Social Sciences, and Education) and academic schools (Health Sciences, Nursing, and Business). Certain parts of Emory & Henry's academic program, especially the general requirements, correspond to the divisional structure. Following are the primary departments and programs listed by division or school.

**Education Division:** Education, Health & Human Performance.
**Humanities Division:** English, Philosophy and Religion, World Languages.
**Social Science Division:** Civic Innovation, Economics, Geography & Earth & Environmental Sciences, History, Media and Communication, Politics and International Studies and Law, Sociology.
**Natural Science Division:** Biology, Computer Science, Chemistry, Physics and Engineering Science, Equine Studies, Mathematics, Psychology.
**Visual & Performing Arts Division:** Art, Music, Theatre.
**School of Health Sciences:** Clinical Mental Health Counseling, Exercise Science, Occupational Therapy, Physical Therapy, Physician Assistant Studies.
**School of Nursing:** Nursing
**School of Business:** Business Administration, Accounting

In addition to these primary programs, there are several courses of study which fit into special categories. **Interdisciplinary programs** include Environmental Studies; Philosophy, Political Science, and Economics; and International and Area Studies. **Service areas** are fields in which the university does not offer a major, but it offers individual courses which may form part of a contextual and support area or a minor, or which may be taken as electives.

# Academic Information

## The Academic Program

The academic program at Emory & Henry has been developed through a process of thoughtful planning and spirited debate by faculty and students. Since the university's founding in 1836, the academic program has been firmly rooted in the liberal arts

tradition, but the specific nature and shape of curricular requirements have changed from time to time in response to changing needs of students and the demands of society. Today, the university's academic program responds both to the short-term needs of students and to their long-term welfare, shaped by these goals:

- To develop the student's intellectual abilities in thinking about significant matters and distinguishing the important from the unimportant, relating competency to integrity.
- To understand religion as an intrinsic and abiding reality of human nature.
- To strengthen the framework within which ethical decisions and responsible actions are conducted.
- To relate educational preparation to vocational opportunities.
- To evoke in the student an understanding that a key motivation behind vocational choices should be commitment to serve others.
- To nurture the distinctive human impulse for curiosity as a continuing search for truth, through lifelong learning.

The academic program implements these goals through specific experiences, creatively designed to respond to the developmental needs of students. The program constitutes an integrative approach to liberal learning.

# The Academic Calendar

The academic program operates with a two-semester calendar during the regular school year. Each semester is approximately fourteen and a half weeks long, the first running approximately from August to November and the second running approximately from January to May. Typically, classes meet three days per week (Monday, Wednesday, and Friday) for fifty minutes per day or two days per week (Tuesday and Thursday) for one hour and twenty minutes per day. Classes with laboratories and classes in the visual and performing arts often have additional hours as part of the course requirements.

## 2024-2025 Academic Calendar

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|---|---|
| **Fall 2024** | |
| First Day of Classes | August 14, 2024 |
| Last Day to Add/Drop a Class | August 21, 2024 |
| Labor Day- Closed | September 2, 2024 |
| Midterm Grades Due | October 9, 2024 by 5:00 PM |
| Fall Break | October 10-11, 2024 |
| Advising | October 14-25, 2024 |
| Registration | October 21- November 1, 2024 |
| Last Day to Withdraw from a Course | October 30, 2024 |
| Last Day of Classes | November 20, 2024 |
| Reading Day | November 21, 2024 |
| Final Exams | November 22-26, 2024 |
| Final Grades Due | December 6, 2024 by 5:00 PM |
| **Spring 2025** | |
| First Day of Classes | January 13, 2025 |
| MLK Day- No Class | January 20, 2025 |
| Last Day to Add/Drop a Class | January 21, 2025 |
| Midterm Grades Due | March 7, 2025 by 5:00 PM |
| Spring Break | March 10-14, 2025 |
| Advising | March 17-28, 2025 |
| Registration | March 31-April 11, 2025 |
| Last Day to Withdraw from a Course | April 7, 2025 |
| Easter Break | April 18, 2025 |
| Last Day of Classes | April 28, 2025 |
| Reading Day | April 29, 2025 |
| Final Exams | April 30-May 3, 2025 |
| Final Grades for Graduating Seniors Due | May 6, 2025 by 5:00 PM |
| Commencement | May 10, 2025 at 10:00 AM |

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| Final Grades Due | May 14, 2025 by 5:00 PM |

# Lyceum Program

To the ancient Greeks, Lyceum was the place near Athens where Aristotle taught. To contemporary students at Emory & Henry, Lyceum designates an opportunity to encounter the liberal arts through special events on campus. All students who are enrolled in a degree program are required to register attendance at five Lyceum events per regular semester, exclusive of summer school. No more than two Lyceum events may be films each semester. Students may accumulate up to ten events during fall semester and carry five credits over to the spring semester, but no credits may be carried over from a spring semester to the following fall.

Seniors are exempted from the Lyceum requirement during their final semester; however, all accumulated deficiencies must be satisfied by mid-term of that semester. Students who extend their program beyond four years are not required to attend more than thirty-five Lyceum events. Students who are enrolled in a combination of undergraduate and graduate courses must attend a Lyceum event for each undergraduate course enrolled each semester, up to a maximum of five.

Part-time students enrolled in eleven or fewer semester hours in a semester are required to attend one event for each course in which they are enrolled for credit that semester. Students who are enrolled in student teaching will be required to attend two events during that particular semester. Students who successfully complete a Study Abroad semester with earned credits will be awarded credit for five Lyceum events once the official transcript from the college which the student attended is received.

**Appeals for Alternative Requirements:** Commuter students and part-time students who encounter extreme problems with commuting or other unforeseen circumstances may appeal to the Lyceum Committee for a special hearing if they wish to request some alternative way of satisfying part of the Lyceum requirement in a particular semester. Students who anticipate student teaching or internships that will require them to do extensive work away from the university may make a written appeal to the Lyceum Committee for an alternative requirement. All appeals should be made within the first two weeks of the semester.

# Ampersand: Integrative Learning Across the Curriculum

Ampersand is the student experience at Emory & Henry University that focuses on **integrative learning** where students connect what they care about to what they are learning, then design and implement projects that contribute to the common good. Ampersand creates a culture of active, hands-on learning in which students connect experiences across disciplines, curricular and co-curricular activities, personal experiences on and off campus, and to the larger world. Ampersand also emphasizes the connections between people, faculty, staff, other students, community partners, alumni, and among different disciplines and activities, creating a "whole" and unique experience for each student.

**Project-based work** is the means to integrative learning; therefore, students are supported in experiential learning opportunities in a variety of settings. Students are introduced to the concept of project-based learning in their Core 100 course, and projects are an integral approach to learning in other core courses and in majors and minors. Some students' work may culminate in a major project; other students may work on a series of projects that represent their endeavors. Projects come in all shapes and sizes, from the more traditional to the wildly experimental. They are found not only embedded in single courses but also extending over several semesters, both inside and outside the classroom. Engaged students, from their classrooms and laboratories to co-curricular activities and service learning, are encouraged to explore, to try out, to share, even to fail, as they pursue their ideas in a multitude of projects from scientific research to creative performances.

Inherent to this process is **critical reflection**, where students take time to review their efforts, make connections across classes and activities, and make plans for future work. Critical reflection is the process students use to find greater and additional meaning in their experiences, often through a questioning process which is descriptive, analytical, and critical. It is an additional way for students to interact with and internalize the material and the learning process and to better understand themselves. It can take many forms including written, oral, or artistic, and is often but not always guided by prompts based on the desired student learning outcomes.

Critical reflection is a key component of the **learning portfolio**, an electronic portfolio that connects student projects to reflection on knowledge, work, curiosity, and personal passion. Learning portfolios are introduced in the Core 100 - Self course and are utilized in various ways throughout the student's Emory & Henry experience. Students are encouraged to utilize their portfolios as lifelong learning tools.

# Core Curriculum

The Core Curriculum at Emory & Henry University is built around a selection of courses that emphasize the value of a liberal arts approach to learning while encouraging students to reflect on important relationships between themselves, what they learn, and

the world in which they live. This program, which spans the students' years at the University, provides a wide breadth of experiences in the disciplines that promote the development of the perspectives, approaches to learning, connections, skills, and qualities that result from the study and integration of the liberal arts. Through the Core Curriculum, Emory & Henry students will:

1. Explore liberal arts skills in a wide range of disciplines;
2. Develop a foundation for critical and humane inquiry, apply skills in academics and learn how to apply those skills in professional settings, and take responsibility for their own learning;
3. Engage with questions of difference, diversity, and their responsibilities to and within local and national communities;
4. Contemplate their responsibility to themselves and others as part of the global community;
5. Seek to develop care for themselves and for others around them by focusing on cultural and global awareness; and
6. Develop skills that will assist them in university courses and in professional preparation.

# Course Load

A full course load at Emory & Henry is 12 to 18 semester hours. The tuition figure for one semester for a full-time student is based on a course load within this range.

The normal course load for first-year students wishing to complete their degree in eight semesters is 14 to 15 semester hours, and the normal course load for students after the first year is 15 to 18 semester hours. Students who wish to carry more than 18 semester hours must obtain written permission from the Provost.

Such course loads are subject to an additional tuition charge as described in the Fees section of this catalog.

# Requirements for Graduation

Faculty advisors and the Academic Affairs Office assist students in planning a course of study which will fulfill the requirements for graduation; however, the ultimate responsibility for fulfillment of requirements lies with the individual student. Each student completes a graduation contract and submits the contract with all the necessary signatures to the Registrar's Office for an audit of the student's degree requirements. Deadlines for receipt of this contract are December 30 of the prior year for December graduates, May 30 of the prior year for May graduates, and September 15 of the prior year for summer graduates. Regularly enrolled students who fail to submit the completed graduation contract by the deadline will be charged a late fee. Any changes to a previously approved graduation audit must be submitted to and approved by the advisor and the Registrar. Courses to be counted for graduation in a particular major, including those listed for the minor or the contextual and support area (if one is in the student's program), must be approved in writing by the chairperson of that department before the Registrar certifies that graduation requirements have been met. Any exceptions to the requirements listed in the applicable catalog will be documented by Course Substitution Forms signed by the advisor and the department chair and submitted to the Registrar. For interdisciplinary majors, all involved departments will approve graduation audits as above.

The graduation contract includes a request that a diploma be ordered in the name indicated on the contract. Should the student be unable to use this diploma, either by reason of change of name through marriage or by delay in completing degree requirements, an additional charge will be made to cover costs of a new diploma. The following are university-wide requirements for graduation:

- Completion of 120 semester hours for the B.A. and B.F.A. degrees or 124 semester hours for the B.S. degree. (Some programs have specific requirements necessitating the completion of more than 120 or 124 semester hours.) If a student is a double major in a B.A. program and a B.S. program, two diplomas will be awarded.
- Achievement of a cumulative grade point average (GPA) of 2.0, based on a 4.0 scale. Also, a GPA of 2.0 must be achieved in the major and minor at Emory & Henry. Students in teacher preparation programs must achieve a GPA of 2.5 overall, and 2.5 in the major and the contextual and support area at Emory & Henry. If a course is repeated, only the higher grade is used in computing the GPA.
- Completion of Core Curriculum requirements, core courses, competencies, and disciplinary courses, listed below.
- Completion of an approved major. Requirements for the major, and for the minor or contextual and support area, if included in the student's program, are determined by the catalog in effect at the time of the student's initial enrollment. With an advisor's approval, a student may elect to follow the requirements in any subsequent catalog by notifying the Registrar's Office in writing of that change.

- Attendance at Lyceum programs. All students who are enrolled in a degree program are required to participate in the university Lyceum program as described in a subsequent section of this catalog.
- Fulfillment of a minimum residency requirement of the final 33 semester hours at Emory & Henry, half of the required courses in the major, half of the required courses in the minor or contextual and support area (if one is included in the student's major), and the CORE 200 and CORE 300 courses. Exceptions must be approved by the Provost.
- Payment of all university charges, including graduation fee during final semester of enrollment; freedom from disciplinary sanctions; and attendance at Commencement exercises.

While, as appropriate, a single course may meet a competency requirement, a study abroad requirement, and a major, minor, or contextual and support area requirement, a single course may not be counted as meeting more than one major, minor, or contextual and support area requirement. When courses required by majors, minors, and/or contextual and support areas overlap, the appropriate program director will choose substitute courses. In some cases, certain courses (as noted in their descriptions) may satisfy the requirements for two core curriculum categories. Students may return to the university to complete or add to their academic programs. Students who return within ten years of their first enrollment may complete the graduation requirements listed in the catalog under which they entered, provided that the requirements for the major are approved by the appropriate department. Students who return ten or more years after their first enrollment must complete the graduation requirements of the current catalog. Exceptions must be approved by the Academic Standards Committee.

Students who have been awarded an Emory & Henry baccalaureate degree (B.A. or B.S.) may return to earn a second major within that degree at the university. Upon completion of the requirements, which must include a minimum of an additional 30 semester hours completed at Emory & Henry, the second major in the B.A. or B.S. will be entered on the student's record and transcript; however, no new diploma will be awarded. If a student returns for a second degree (B.A. or B.S.), a minimum of an additional 30 semester hours of work selected in consultation with an academic advisor is required; a new diploma will be awarded.

A student with a bachelor's degree from a regionally accredited college or university other than Emory & Henry University may enroll at Emory & Henry to complete a second degree by satisfying the course requirements for the chosen major, plus a CORE 300 course. A minimum of thirty semester hours must be earned at Emory & Henry University. No more than one-half of the semester hours in the major may be accepted as transfer credits, and no transfer credit may be substituted for the CORE 300 requirement.

# Summer and Winter Terms

Summer courses are offered each year. Summer Term I and Summer Term III are three week terms. Students may enroll in no more than one class during Term I and one class in Term III. Summer Term II is a five-week term. Students may enroll in no more than two classes during Term II. Students must have permission from the faculty advisor and the Provost to exceed these limits; normally, such students should have at least a 3.0 GPA. Most courses offer three semester hours credit. Fees for summer school are charged on the basis of a tuition rate per semester hour. Individuals wishing to reside on campus also pay room and board. The specific fees for the current year are listed in the Fees section of this catalog. Additional information on summer offerings may be obtained from the Provost or the Registrar.

Winter courses are offered each year. Winter Term is a three week term. Students may enroll in no more that one class during Winter Term. Students must have permission from the faculty advisor and the Provost to exceed these limits; normally, such students should have at least a 3.0 GPA. Most courses offer three semester hours credit. Fees for the winter term are charged on the basis of a tuition rate per semester hour. The specific fees for the current year are listed in the Fees section of this catalog. Additional information on wither offerings may be obtained from the Provost or the Registrar.

# Student Classification

**Regular students** are those who have been admitted with the expectation that they will become candidates for degrees. **Special students** are those who have been admitted for limited or special programs in non-degree status. Special students are admitted without satisfying the usual entrance requirements of the university, provided there is proof of adequate preparation for the courses to be taken. A special student who eventually seeks admission as a regular student to pursue a degree must complete the standard application procedures for admission as described below.

The classification of regular students according to the number of credits earned is as follows:

- **First-year students** have completed fewer than 26 semester hours.
- **Sophomores** have completed at least 26 semester hours but fewer than 57.
- **Juniors** have completed at least 57 semester hours but fewer than 87.
- **Seniors** have completed at least 87 semester hours.

## Student Records

Enrollment at the university constitutes student permission to distribute information to advisors and university offices when needed for academic advisement, for verification of academic standing, and for eligibility for honors, awards, scholarships, and participation in sports and activities. Emory & Henry provides for the confidentiality of student education records in accordance with the General Education Provisions Act, Title IV, Public Law 90–247 (or as amended) and under the Family Educational Rights and Privacy Act, as amended. An education record is defined as any and all student records maintained by the institution. Following is a partial list of records maintained in university offices and the officers responsible for each. A complete listing of all educational, directory, and other records is provided in the Student Handbook.

**Academic records and transcripts** - Registrar

**Academic progress reports** - Faculty advisors and Registrar

**Correspondence on judicial proceedings** - Dean of Students

**Placement folders** (must be compiled by student) - Director of Career Services

**Financial aid records** - Director of Financial Aid

**General financial records** (including student accounts) - Business and Finance Office

Current students needing to change their name, or update a permanent or mailing address, may do so by completing a Name/Address Change Form and submitting it to the Registrar's Office. The form can be picked up in the Registrar's Office. (Note: If submitting a name change, supporting documentation must be attached to the form, i.e., driver's license, passport, or social security card.)

The university shares students' personally identifiable information for relevant reasons with the following: American College Testing Program; College Sports Project; Colleges That Change Lives, Inc.; Council for Aid to Education; Council of Independent Colleges of Virginia; Educational Testing Service, Inc.; National Research Center for College and University Admissions; National Survey of Student Engagement; National Student Clearinghouse; State Council of Higher Education for Virginia; Noel-Levitz and Pharos Resources.

## Final Examinations

Final examinations are given at the end of each semester, embracing substantially all of the work done in class during the entire term. The schedule for final examinations is determined by the Academic Council upon recommendation of the Registrar. Exceptions to this schedule may be authorized only by the Provost. Examinations missed because of emergency may be made up with consent of the instructor. Ordinarily the make-up examination should be taken within one month of the date of the regularly scheduled examination; in no event may it be taken later than the end of the following semester.

# Degrees & Certificate Information

## Bachelor's Degrees

Emory & Henry offers a Bachelor of Arts (B.A.), a Bachelor of Fine Arts (B.F.A), a Bachelor of Science (B.S.), and a Bachelor of Science in Nursing (BSN) degree. The Bachelor of Arts degree is offered in most departments and programs, while the Bachelor of Fine Arts is only offered in the Theatre department. Both the B.A. and B.F.A. degrees require the completion of at least 120 semester hours. The Bachelor of Science degree is offered by all departments in the Natural Science Division, as well as the Exercise Science and Business Administration departments. The B.S. degree requires the completion of at least 124 semester hours. The Bachelor of Science in Nursing (BSN) degree required the completion of at least 124 semester hours.

## Major and Minor

Each student chooses a major, often in the field of study most directly related to his or her professional career goals. Normally it consists of ten courses (minimum of 30 semester hours), including courses that deal with foundations, principles, and theories of the field, along with advanced courses that permit specialization as appropriate. The major includes a senior project, bringing into

focus the knowledge acquired from various disciplines and giving the student an opportunity to work closely with a faculty member. For purposes of calculating the grade point average (GPA) in the major, the major is defined as required courses, exclusive of courses that fulfill a university Core curriculum requirement or a contextual and support area.

To complement and enrich the major, each student may take either a minor or a cluster of contextual and support courses. In some programs, the student may choose between these two approaches, while other programs have a specified requirement. Some programs may require neither. Students who complete a minor take a group of courses from a single discipline other than the major discipline (minimum of 18 semester hours). Those who complete a contextual and support area take courses outside the major, chosen from several different fields which relate to that discipline (minimum of 18 semester hours). In both instances, the courses increase the student's breadth and depth of knowledge, and they illustrate the interrelatedness of various types of knowledge. The student plans the minor or contextual and support area, if required, in consultation with his or her faculty advisor.

For information regarding individualized area of concentration, individualized minor, or double major, consult the Academic Policies section of this catalog. A single course cannot count both in the major and in the minor or the contextual and support area, nor may it count toward two different majors or minors.

# Selection and Approval of Major

Each student's major program must be approved by an academic advisor. The student has responsibility for seeking such approval through the following steps:

- Prepare, with the assistance of the faculty advisor, a program of study, which indicates the selection of courses to include a major, a minor or a contextual and support area if included within the student's program, and fulfillment of Core Curriculum requirements.
- Meet with faculty members from the primary discipline to discuss program plans.
- Complete a Major Declaration Form, with departmental approval, during the sophomore year and submit a copy to the Registrar's Office.

Every student is required to have a declared major by the beginning of the junior year and to have an advisor in the major field. The Change of Major form must be signed by the faculty advisor and submitted to the university Registrar no later than the last day for course addition in the first semester of the junior year. A student pursuing pre-medical studies, a B.S. degree, or another field with a specified course sequence may need to confirm his or her program at an earlier date.

The student must complete a graduation audit one year prior to his or her anticipated graduation date. Deadlines for receipt of this audit are December 15 of the prior year for December graduates, May 15 of the prior year for May graduates, and summer of the prior year for summer graduates. Any changes in a previously approved graduation audit must be submitted to and approved by the advisor and the Registrar. Courses to be counted for graduation in a particular major, including those listed for the minor or the contextual and support area (if one is in the student's program), must be approved in writing by the chairperson of that department before the Registrar certifies that graduation requirements have been met. Any exceptions to the requirements listed in the applicable catalog will be documented by Course Substitution Forms signed by the advisor and the department chair and submitted to the Registrar. For interdisciplinary majors, all involved departments will approve graduation audits as above.

# Double Major

A student desiring more than one major should consult with faculty in each discipline about its requirements, and have an advisor assigned for each discipline. The student must develop a program that includes a minimum of eight courses in each discipline (including the required courses) and meets the mathematics requirements appropriate to each major. (If a single course can fulfill both requirements, a student may take a single course.) For double majors, departments retain the option of requiring all courses listed under departmental requirements in the department's headnote. In completing two majors, the student meets the requirement of a minor or a contextual and support area. Courses that may be taken for credit in both of the majors selected ( cross-listed courses) may be used only once for credit and may not be counted for credit in both majors. Double majors must be approved by an advisor in each discipline.

# Individualized Minor

A student with special interests not met by any of the established minors or contextual and support areas may submit a proposal for an individualized minor, with approval from the student's major advisor, the faculty members from disciplinary areas related to the proposed minor, and the Provost. An individualized minor must meet these criteria: the capabilities of the student and the

resources of the institution must be sufficient to sustain the intended minor; the minor must be approved by the end of the student's fifth semester or its equivalent; and the minor must meet all the goals and expectations of the concept of a minor (minimum of 18 semester hours).

# Electives

Almost all students have electives within the sequence of courses necessary for graduation. Some students choose electives so as to pursue personal interests and explore fields different from the major, while others use the courses to acquire skills to supplement or add depth to the primary discipline.

# Individualized Area of Concentration

A student with special interests not met by any of the established majors may submit this proposal for an individualized area of concentration with approval from the Associate Dean of Academic Affairs and faculty advisors in two disciplines related to the proposed concentration. An individualized area of concentration must meet these criteria: the coursework must include in-depth study from at least one department; the capabilities of the student and the resources of the institution must be sufficient to sustain the intended program; the program must be approved by the time the student applies to graduate, and the program must meet all the goals and expectations of the concept of a major. An individualized area of concentration must include a minimum of six courses from a single discipline (including a senior project) and no fewer than two courses from a second discipline, totaling a minimum of 30 semester hours.

# Liberal Arts Core Requirements

**CORE 100:** Self (Year 1): In the first-semester CORE experience, students develop a foundation for critical and humane inquiry, consider the application of skills in academic and professional settings, and learn how to take responsibility for their learning. Each seminar focuses on one topic, idea, problem, or concept to introduce a liberal arts education. Students explore such questions as: 'Who am I, and what is my responsibility to myself?' 'Where do I find reliable information as a student and citizen?' 'What do I need to be successful in college and beyond?' As the first experience, students complete a collaborative project to be presented at the Library Showcase event at the end of each Fall semester. Three semester hours.

**CORE 200:** Society (Year 2): In the middle CORE experience, students engage with questions of difference, diversity, and their responsibilities to and within local and national communities. Through the critical exploration of cultural and material structures of power, ethical considerations, and the related concepts of egalitarianism, multiculturalism, and sustainability, students consider their role in caring for their immediate human and natural environments by addressing such questions as: 'What is my responsibility to those around me, and how do I seek out ways to create a more equitable and sustainable society?' 'How do I engage with diverse perspectives, distinguish between publication types and their usage, and understand my own relationship to power?' 'What are my own successes and failures to this point, and how do I learn from them to succeed in my final two years of college?' Sophomore status required. Three semester hours.

**CORE 300:** World (Year 3): In the final CORE experience, students contemplate their responsibility to themselves and others as part of the global community. Through in-depth study of international and transnational institutions, policies, cultural practices, and ethical considerations, students study contemporary and historical moments of global interconnectedness from interdisciplinary perspectives. Through engagement with, and in some cases the practice of, global citizenship, students reconsider their role in caring for others and the natural environment, addressing such questions as: 'What is my responsibility to those whom I may never meet?' 'What are scholarly sources of information about the world and what issues of information sharing do we face?' 'How has my liberal arts education prepared me for my final year of college and beyond?' Junior status required. Three semester hours.

*Care and Cultural Competency*

Students choose from lists of appropriate classes, as applicable, with the goal of developing care for themselves and for others around them by focusing on cultural and global awareness.

**Lifetime Wellness** The wellness requirement totals two semester hours. One hour is a Lifetime Wellness course designed to be taken during the student's first year. The course is designed to promote an understanding of wellness and related behavior that contributes to a healthy lifestyle. Students also complete two different half-hour activity courses. Accommodations will be made for students with documented disabilities.

**World Language** Students meet this requirement in any one of several ways. They may (a) complete two sequential foreign language courses at the 100 level (6 to 8 semester hours), or (b) demonstrate competency through the 102 level by appropriate

performance on a world language proficiency exam and oral interview with Foreign Languages faculty, or (c) fulfill the requirement during a Study Abroad experience, or (d) substitute a native language other than English, or (e) complete two sequential American Sign Language (ASL) courses. Departments may require additional hours beyond the minimum.

Students with documented disabilities of a severe language-based nature may request pre-approved course substitutions to meet the Core Curriculum foreign language proficiency requirement. Course substitutions approved for this purpose will also serve to meet the foreign language requirements of a major for which no more than eight credit hours of any foreign language are required. Students must initiate such a request in time to receive a decision prior to the end of their sophomore year, or in the case of a transfer student, within the first semester at the university. The request for substitution must be approved prior to any coursework that will count as substitution. Attempting a foreign language will not preclude a student from successfully requesting a foreign language substitution. Students must be registered with Student Accessibility Support Services in the Paul Adrian Powell III Student Success Center before initiating a substitution request. Procedures for registering with Student Accessibility Support Services and for requesting world language substitutions are available in the Paul Adrian Powell III Student Success Center. Students interested in these procedures begin by making an appointment with the Accessibility Coordinator.

**Global Citizenship** Each student will engage in a Study Abroad experience or take an Emory Abroad Course in addition to a second CORE 300 course.

**Religion** Each student completes a religion course at the 100, 200, or 300 level to explore roots, teaching, and contemporary understandings of a variety of religious benefits and practices, including the importance of religion in a global context. Courses cannot simultaneously meet the religion requirement and another CORE curriculum requirement (e.g. the Humanities requirement or CORE 200 or 300).

*Think, Understand, and Create*

Students choose from lists of appropriate classes, as applicable, to develop skills in analytical thinking, evaluation of information, methods of research, educational perspectives and avenues of communication from a wide range of disciplines.

**Creative Arts** One class chosen from list of approved courses in the Creative Arts.

**Humanities** One class chosen from list of approved courses in the Humanities.

**Mathematics** The mathematics requirement enables students to develop skills that will assist them in college courses and in vocational preparation. This requirement is met by completion of mathematics courses specified by each department for a major.

**Natural Sciences with Laboratory** One class chosen from list of approved courses in the Natural Sciences.

**Social Sciences** One class chosen from list of approved courses in the Social Sciences.

**Written Communication** Students meet this requirement by receiving a grade of C- or better in English 101. Unless exempted on the basis of high SAT or ACT verbal scores, or unless entering Emory & Henry with AP or transfer credit, all students are required to take English 100 and/or English 101 during the first year. Students enrolled in English 100 must earn at least a C- in English 100 in order to take English 101. Similarly, students who obtain lower than a C- in English 101 must retake it and obtain at least a C- to meet the university writing requirement. Students exempted from both English 100 and English 101 must complete an advanced writing course chosen from the following: English 200, 203, 230, 250, 251, 252, 255, 256, 321, 322, 323, or 326. Some departments may also require an advanced writing course as a graduation requirement.

Students who exhibit weaknesses in college-level writing skills in any course after the completion of English 101 may be required to complete English 199 in order to graduate. Any faculty member may make a formal referral to English 199. A student officially referred to English 199 must enroll in and pass the course in order to graduate.

*CORE 200 Society*

- CORE 200 Society: AI, Robots, and Cyborgs
- CORE 200 Society: Art in Social Change
- CORE 200 Society: Frederick Douglass
- CORE 200 Society: Jazz Age
- CORE 200 Society: Women, Music, and Culture
- CORE 200 Society: What is a Healthy Society?
- CVIN 210 Questions of Place and Diversity
- EDUC 305 Human Growth and Development

- ENGL 232 Introduction to Short Fiction
- HHP 201 Women, Sport, and Culture
- HSCI 200 What Makes a Healthy Society?
- MCOM 250 Women and Media
- PHIL 210 Plato's Republic
- PJST 200 Nonviolence and Conflict Resolution
- PSYC 220 Child Development
- PSYC 231 Lifespan Development
- RELG201 Religious Individual Change
- RELG 356 Women and Christianity
- SOCI 250 Food and Justice

*CORE 300 World*

- CORE 300 World: Animal Ethics
- CORE 300 World: Christians and Social Justice
- CORE 300 World: Crime in Latin America
- CORE 300 World: Education and Sport in a Global Society
- CORE 300 World: Kiss, Bow, or Shake Hands
- CORE 300: World: Cuba/Media/Conflict
- ART 322 Italian Art (Required trip.)
- BIOL340 Tropical Biology (Required trip.)
- BUAD 320 Issues in International Management
- CVIN 250 Appalachia
- ECON 322 International Trade
- EDUC 445 Foundations of Education
- GEOG 322 Environmental Policy
- GEOG 345 Geography of the Middle East
- HIST 305 Approaching Global History
- HIST 379 Iran and the West
- HIST 380 The Middle East and the United States
- HIST 381 Atlantic World
- NURS 206 Global Issues in Healthcare
- NURS 207 Cultural Concepts in Healthcare
- POLS 105 Introduction to International Relations
- POLS 225 Comparative Politics in the Middle East and North Africa
- POLS 235 Comparative European Politics
- POLS 255 Politics of Latin America
- POLS 313 Modern Espionage
- POLS 314 National and International Security
- PSYC 318 Health Psychology
- PSYC 340 Cross-Cultural Psychology (Required trip.)
- RELG 212 Asian Religions
- RELG 314 Islam
- SOCI 221 Cultures and Peoples
- SOCI 260 Studies in Culture
- THRE 306 Movement in Global Perspectives

*Emory Abroad Courses*

- ART 322 Italian Art
- BIOL 340 Tropical Biology
- PSYC 340 Cross-Cultural Psychology
- CORE 240 Directed Study Abroad:
    - Cross-Cultural Christian Mission (Various Locations)
    - Cross-Cultural Psychology/Social Psychology of the Holocaust (Czech Republic and Poland)
    - Cuban Culture and Identity Documentary Film Experience (Cuba)
    - Environment & Sustainability (Belize)
    - International Perspectives on Student Leadership - Habitat for Humanity (Various Locations)

- Italian Art (Italy)
- Language and Culture in the Southern Cone (Argentina)
- Sociology of Culture (Sweden and Netherlands)
- Spanish Language & Culture (Spain, Peru, or Cuba)
- The Emory Odyssey (Greece)
- Theatre and Culture in London - Renaissance to Modernity (England)
- Tropical Biology (Panama)

*Creative Arts (One course of three semester hours, or two courses in dance technique, music ensemble or lesson participation)*

- ART 111 Introduction to Art and Design
- ART 112 Three-Dimensional Design
- ART 151 Drawing
- ART 205 Photography I
- ART 206 Digital Photography
- ART 210 Visual Arts Computing
- ART 215 Web Design
- ART 231 Ceramics
- ART 241 Crafts I
- ENGL 322 Writing Poetry
- ENGL 323 Writing Prose Fiction
- ENGL 326 Creative Nonfiction Workshop
- ENGL 328 Nature Writing
- MCOM 204 Beginning Publication Design
- MUSC 318 Music, Learning and Culture
- MUSP 100, 109, 117 Beginning Voice, Piano, Guitar, respectively
- MUSP 101 Bass Methods
- MUSP 211, 212, 213, 214, 215, 216, 217, 218 Intermediate Piano, Organ, Guitar, Bass, Woodwinds, Voice, Strings, Percussion, respectively
- MUSP 225 Festival Choir
- MUSP 230 Concert Choir
- MUSP 232 Marching Band
- MUSP 234, 237, 238, 239 Guitar, Brass, Trumpet, woodwind Ensembles, respectively
- MUSP 235 Pep Band/Wind Ensemble
- MUSP 236 Brass Quintet
- MUSP 240 Opera Workshop
- MUSP 411, 412, 413, 414, 415, 416 Advanced Piano, Organ, Guitar, Brass, Woodwinds Voice, respectively
- THRE 100 Introduction to Theatre
- THRE 105 Introduction to Acting
- THRE 109 Introduction to Dance Artistry
- THRE 204 Stage Lighting
- THRE 207 Costume Construction
- THRE 210 Fundamentals of Theatrical Design
- THRE 216 or 416 Ballet I, III
- THRE 217, 317, and 417 Jazz I, II, III
- THRE 218, 318, and 418 Tap I, II, III
- THRE 219, 319, and 419 Musical Theatre Styles I, II, III
- THRE 316 Applied Theatre

*Humanities*

- ART 221 History of Western Art I
- ART 222 History of Western Art II
- ART 322 Italian Art
- ENGL 200 Reading and Writing About Literature
- ENGL 203 World Literature
- ENGL 231 Introduction to Poetry
- ENGL 232 Introduction to Fiction
- ENGL 233 Introduction to Drama
- ENGL 234 Introduction to Film
- ENGL 245 Introduction to African American Literature

- ENGL 250 Major British Writers I
- ENGL 251 Major British Writers II
- ENGL 252 Major British Writers III
- ENGL 255 Major U.S. Writers I
- ENGL 256 Major U.S. Writers II
- ENGL 317 Literature for Children and Young Adults
- ENGL 362 Studies in Major Authors
- ENGL 364 Studies in Literary Traditions
- NURS 300 Nursing Ethics
- PHIL 101 Introduction to Philosophy
- PHIL 201 Ethics
- PHIL 211 History of Ancient and medieval Philosophy
- PHIL 212 History of Modern Philosophy
- PHIL 220 Philosophy of Sport
- PHIL 305 Asian Philosophies
- PHIL 341 Contemporary Problems of Justice
- RELG 201 Religious Individual Changes
- RELG 212 Asian Religions
- RELG 261 The Christian Faith in Literature
- RELG 314 Islam
- THRE 320 Theatre History I
- THRE 321 Theatre History II
- THRE 322 American Theatre
- THRE 336 Musical Theatre History

*Natural Sciences with Laboratory*

- ANSC 100 Introduction to Animal Science
- BIOL 105 Introduction to College Biology
- BIOL 123 Biological Anthropology
- CHEM 111 General Chemistry I
- ENVS 200 Environmental Monitoring
- ESCI 111 Physical Geology
- ESCI 212 Environmental Geology
- PHYS 100 Conceptual Physics
- PHYS 101 Astronomy
- PHYS 201 General Physics I
- PSYC 101 Introduction to Psychology as a Natural Science

*Social Sciences*

- CVIN 100 Introduction to Civic Innovation
- CVIN 200 Public Movements & Social & Cultural Change
- CVIN 205 Building Collaboratives & Alliances for Innovation
- CVIN 240 Research Methods for Innovation
- CVIN 250 Appalachia
- CVIN 255 Place, The Built Environment & Civic Innovation in NY
- CVIN 300 Innovation Capacity and Community Development
- CVIN 312 State & Local Politics and Public Policy
- CVIN 345 Innovation Capacity and Community Development
- ECON 151 Principles of Microeconomics
- ECON 152 Principles of Macroeconomics
- GEOG 111 Human Geography
- GEOG 333 Geography and Economic of Europe
- HIST 105 World History to 1500 CE
- HIST 110 Modern World History
- HIST 111 American History to 1861
- HIST 112 American History since 1861
- HIST 122 Modern Europe
- HIST 210 Archaeology and Prehistory
- HIST 220 Economic History

- HIST 232 Myth Magic Ritual Ancient World
- MCOM 101 Mass Media and Society
- MCOM 250 (WGST 250X) Women and Media
- PJST 100 Introduction to Peace and Social Justice
- POLS 103 Politics of the United States
- POLS 105 Introduction to International Relations
- POLS 215 Introduction to Comparative Politics
- POLS 225 Comparative Politics in the Middle East and North Africa
- POLS 235 Comparative European Politics
- POLS 240 History of Philosophy
- POLS 245 Comparative Politics of Asia
- POLS 255 Politics of Latin America
- PSYC 102 Introduction to Psychology as a Social Science
- SOCI 101 Introduction to Sociology
- SOCI 102 Introduction to Inequality
- WGST 200 Introduction to Women's Studies

# Pre-Professional Studies

## Pre-Medical Studies, Allied Health Professions, Athletic Training

For many years, Emory & Henry has been respected for the high quality of its pre-medical and allied health preparations. Recent graduates have pursued careers in medicine, dentistry, veterinary medicine, pharmacy, physical therapy, and other fields. Members of the Health Professions Committee advise and oversee students on preparation for health and medical careers. Because health and medical fields require studies in the natural sciences, and science courses are offered sequentially at Emory & Henry, first-year students must carefully plan their schedules so as to begin the sequence on time. The committee provides information on admissions requirements, testing procedures, and related occupations. Students active in the Health Professions Club hold monthly meetings featuring speakers from various health fields, organize special events, and sponsor trips to visit medical schools. Students interested in health or medical careers should contact the acting pre-health advisor.

## Pre-Law Preparation

Emory & Henry has a long and distinguished tradition of pre-legal education. Since law schools do not require or even recommend a specific pre-law course of study, the university encourages pre-law students to develop programs of study which emphasize the areas of knowledge needed for good performance on the Law School Admissions Test and for subsequent good performance in law school and as attorneys. Based on surveys of law schools and lawyers, the significant skills and areas of knowledge are written and oral communication, including composition, speech, and debate; logic and reasoning; economics and general computation; and knowledge of history, government, and political affairs.

Students interested in law careers are aided by a pre-law advisory committee at Emory & Henry, composed of students, faculty, administrators, and alumni who are lawyers. Faculty members in the Political Science Department counsel students and maintain liaisons between the university and law schools in the region. An active Pre-Law Society sponsors trips to visit law schools, special speakers, and other events which focus on the legal profession.

Students who plan to pursue legal careers should be aware of the keen competition for admission to law school and should recognize the need for hard work and high academic performance. The admissions criteria of most law schools emphasize demonstrated aptitude on the Law School Admission Test, a high GPA, and good letters of recommendation. Practical experience obtained through internships or volunteer work often is beneficial. The university offers such experiences through local offices of the Legal Aid Society, Commonwealth's Attorneys, and private law firms. In some instances, outstanding students obtain pre-law internships with Congressional offices.

## Preparation for Church Vocations

Many persons prepare for full-time Christian service through studies at Emory & Henry. Career opportunities include service as a pastor, director of Christian education, or minister of music, all of which require graduate study in seminary. With study beyond the B.A. degree, a person may also serve as a chaplain in a hospital or in the military, a pastoral counselor, a campus minister, or a religion teacher. Seminaries and graduate schools of theology encourage persons to seek a good liberal arts education, with the balance of general studies and concentration which Emory & Henry offers. Other fields may provide vocational possibilities immediately after graduation from college, including service as a director of Christian education or youth ministry in a local church.

Students interested in church vocations are encouraged to discuss their plans with any member of the Department of Religion as early as possible during their program. A church vocations group, Kerygma, provides possibilities for discussions with other students planning similar careers, and internships give first-hand experience which also provide valuable preparation.

# Special Study Opportunities

The university offers a number of special study opportunities that enrich the regular course offerings. Emory & Henry supports work experience programs, study abroad, independent study, and other variations of the traditional classroom work that add a special dimension to the educational program and providing intellectual motivation.

## Study Abroad

The experience of studying, working, or traveling abroad can add immeasurably to any student's education. Many departments offer Emory Abroad courses, which are taught by faculty in the regular semester with a short-term study abroad experience at spring break or the end of the term (for example, art in Italy or biology in Panama). Other students participate in a semester or summer abroad. Any of these approved experiences meet the Emory Abroad core curriculum requirement.

The university is prepared to assist students in identifying appropriate programs in a variety of international settings. The student considering such an experience should consult Dr. Celeste Gaia, the Director of lnternational Education. Students are required to pay a program fee for faculty-led Emory Abroad courses. This fee covers transportation, accommodations, excursions, and most meals. Semester and summer programs are operated through partnerships with other accredited U.S. universities, as well as universities abroad. Typically, semester abroad students stay enrolled at Emory & Henry, pay tuition to Emory & Henry at Emory & Henry's tuition rate plus any excess tuition differential charge of the abroad program (e.g., room, board, insurance, etc.), and pay a study abroad fee. Partnerships with universities in England, France and Germany provide students the opportunity to study abroad for a semester, while students from the host institution attend Emory & Henry. Students who participate in this partnership pay regular tuition to Emory & Henry University and the housing costs to the university abroad. There is no study abroad fee for exchanges.

Emory & Henry University offers its own civic engagement program in Dublin, Ireland, where students take courses at Dublin City University and work in the community at a variety of locations including with youth sports teams, employment services, and childcare centers. This program is in partnership with the International Partnership of Service Learning and is open to all majors. Because this is a program directly affiliated with Emory & Henry University, there is no study abroad fee required.

Study abroad entails costs beyond those involved in on-campus study. As a general rule, the student should expect to incur the costs of travel, food, and accommodations, and (when the tuition for the program exceeds that of Emory & Henry University) any excess tuition. Students must meet the deadlines and academic requirements for the study abroad application and deposit to participate in these programs. When the student is a recipient of financial aid from Emory & Henry, the question may arise of whether that aid will apply toward the tuition of the study abroad program. These cases are reviewed each year. During the year prior to study abroad, the student wishing to receive this benefit must meet with the Director of Financial Aid. The Director, in consultation with the Provost and Associate Vice President for Business and Finance, will determine whether such support can be provided.

Students should explore scholarships and grants that can assist with study abroad expenses. One special option at Emory & Henry University is summer study at a British Isles university, with most expenses covered by the Emily Williams English Speaking Union Scholarship. Two rising seniors are chosen each year on the basis of their academic record and an interview with a faculty selection committee. Students interested in this program should seek nomination by a faculty member. Other scholarship and grant opportunities can be found on the Emory & Henry University International Education website.

Prior to enrolling at another institution with the intent of transferring courses back to Emory & Henry, a student must have the specific course roster pre-approved by the faculty advisor, the chair of the department in which the course falls, and the Provost. If a student pursues study abroad without pre-approval of courses, a review of the course record may be required from an independent foreign transcript evaluation service at the student's expense, and the award of Emory & Henry University credit cannot be assured.

Any grade earned in a course taught abroad by E&H faculty will appear as the regular letter grade on the transcript. These grades are calculated into the GPA. In courses taught by non-E&H faculty abroad, students must earn a passing grade according to the host institution to receive credit for the course. A passing grade will appear as P (PASS) on the transcript and a non-passing grade will appear as NG (NO GRADE). This policy applies only to grades earned during a study abroad program and not to transfer credit.

# Semester-A-Trail

The Semester-A-Trail offers an exciting special studies opportunity for students seeking a learning experience that goes well beyond the classroom. Students in the program earn college credit while attempting a long section-hike (475 miles) or a thru-hike of the entire Appalachian Trail (2000 miles). The Semester-A-Trail Program is offered in the spring semester, and students accepted into the program enroll in select academic courses under the advisement of program director, Jim Harrison.

More information about the Semester-A-Trail and the application process are available here: https://www.ehc.edu/academics/outdoor-studies/semester-atrail/

**Dual-Enrollment**: A student may transfer in from any college just for the Semester-A-Trail Program. This option allows students to retain their enrollment privileges at their current academic institution while enjoying the benefits of being an E&H student. Upon completion of the Semester-A-Trail, dual-enrollment students return to their institution of origin with the college credits earned during the Semester-A-Trail as quality transferable credits and newfound skills!
Dual Enrollment Course Options: In addition to the required courses, students complete their course schedules from a list of courses offered in the following departments: Environmental Science, Appalachian Studies, Civic Innovation, and History.

Required Courses for Semester-A-Trail:
**CFOS 301: Long-Distance Backpacking**
In this seven-week course, students engage in intensive training in preparation for hiking the Appalachian Trail. The coursework consists of in-depth instruction of long-distance backpacking topics and skills, including the history and key figures of the Appalachian Trail, risk assessment and safety, Leave No Trace ethics, footwear, layering systems, backcountry cooking, navigation, logistics management, nutrition, and problem-solving. *3 credit hours*
**ENGL 328: Nature Writing**
The writing and study of nature writing as a genre and pertinent literary forms, with attention to writing from Thoreau, Carson, Leopold, Abbey, Berry, Lopez, Dillard, and Bass. This course satisfies the Modes of Inquiry requirement for Artistic Expression. *3 credit hours*
**Special Note**: This is a project-based course associated with the Semester-A-Trail Program. Students engage in coursework for seven weeks prior to the on-trail experience and then complete the remainder of assignments and final project once the on-trail experience has concluded.

# Internships

Emory & Henry offers internships and other types of cooperative work experience programs to assist students in obtaining on-the-job training and an opportunity for career exploration. Administrated by Career Services in the van Vlissingen Center, the internship program is open to students who have completed at least 57 credit hours and have at least a 2.0 GPA overall. These students also must meet the prerequisites for the department that will award the internship credit. To be considered for an internship, the student must seek approval from his or her academic department and then attend a mandatory Internship Orientation Session during the semester before the intended internship semester to obtain the required documentation for registering their internship with the University. Enrollment will be approved subject to the availability of a faculty member who can provide close supervision of the internship experience, and the availability of an internship for which the student is well-suited, in the judgment of the supervising faculty member.

Internships are designated by departmental courses numbered 470 (first-time internship) and 471 (subsequent internships). Although the usual internship will carry either three or six semester hours of credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the major department. Each hour of credit will require forty

hours at the internship site. Students who participate in the internship program are encouraged to meet the following objectives: application of knowledge related to the primary academic field, acquisition of skills both general and specific, reinforcement of values, career exploration, and strengthened self confidence.

Among possible sites are the U.S. Congress, corporations, financial institutions, small and large businesses, hospitals, mental health centers, law firms, theaters, schools, and government agencies. Most interns do not receive compensation. Details on the program may be obtained from Career Services or from faculty members in participating departments.

# Independent Study

Students have the opportunity to do independent study and research through special assignments in regular classes. Junior and senior students who wish to study a topic or subject area not listed in the university's regular offerings may request permission to pursue the topic as an independent study, working under the guidance of a faculty member. Application is made using a form available in the Registrar's Office. The application must be submitted no later than the last day for course addition during the semester in which the credit is to be earned. Enrollment is subject to the approval of the proposed instructor and of the department chair, based on their judgment of the student's readiness for independent study and their judgment of the appropriateness of the proposed study plan.

# Departmental Honors Project

In certain departments, any student who has achieved at least junior status may apply for departmental honors work provided that he or she has a GPA of at least 3.5 in the major field and a cumulative GP A of at least 3.3 in all courses. An application and proposed program for study must be approved by all faculty members in the major area. Upon approval, the student will register for three hours in the 490 course or six hours in the 490-491 courses of the appropriate department.

The departmental honors project must be distinguished by creative, critical, and independent scholarship and must culminate in a thesis or honors paper. A committee of at least three faculty, no more than two from the student's department, must approve the completed project by majority vote in order for honors to be awarded. If the project is approved, the student's transcript will be marked "Graduated with Honors," the thesis title will be listed in the Commencement program, and the manuscript will be placed in Kelly Library. Should the project not be approved for honors, the completed study may be recorded on the transcript as an independent study.

# Honors Program

## Scott Boltwood, Director

The Honors Program, epitomizing the university motto, "Increase in Excellence," recruits students who want an academic experience even more challenging than the traditional Emory & Henry University experience. Upon enrollment, this select group of students is offered competitive academic, co-curricular, and service opportunities. Honors Scholars take their academic and/or artistic interests to exceptional levels of achievement both in and out of the classroom.

Honors Scholars work closely with the Director of the Honors Program during the advisement process in order to select courses and extracurricular experiences that will help them to achieve their goals. Honors courses are noted on the college transcript, and Honors Scholars with thirty semester hours of Honors work on their transcripts receive additional recognition upon graduation. New first-year student applicants and students wishing to transfer to Emory & Henry University who are interested in the Honors Program should contact the Office of Admissions.

**Requirements for admission to the Honors Program:** For consideration, applicants should have a minimum grade point average of 3.5 and either 1250 on the SAT or 27 on the ACT. Exceptions may be made for applicants who exhibit an extraordinary talent in a specific discipline but otherwise do not meet these minimum requirements. Eligible students will be invited to interview for admission to the Honors Program. Following the interviews, a select number of students will be offered admission to the Honors Program based on test scores, high school GPA, letters of recommendation, and interview performance. A committee of faculty members and current honors students, chaired by the Honors Director, will make recommendations for invitations to the Honors Program to the Provost.

Emory & Henry University students with outstanding academic performance (GPA of 3.5 or above) in their first year may apply for in-course admission to the program. The Honors Director will invite qualified students to apply for admission to the Honors Program during the spring semester of the first year. Each qualified applicant will participate in an interview process. Following the

interviews, a select number of students will be offered admission to the Honors Program based on Emory & Henry GPA, letters of recommendation, and interview performance. A committee of faculty members, chaired by the Honors Director, will make recommendations for invitations to the Honors Program to the Provost. The number of in-course scholars admitted may vary from year to year, depending on the number of returning scholars.

For continued participation in the Honors Program, a minimum GPA of 3.5 is required at the end of each academic year. A student who falls below 3.5 may petition the Honors Director for a probationary semester. The student will then be required to exhibit adequate progress to continue as an Honors Scholar beyond that semester. Students who fail to demonstrate adequate progress toward the minimum program standard GP A and/or the completion of the requirements for an Honors diploma may be removed from the program on recommendation of the Honors Director (in consultation with the Honors Steering Committee) and confirmation by the Provost. Students who are deemed ineligible for an honors project at the beginning of their senior year will not be allowed to continue in the program.

**Curriculum components:** The Honors Program builds on the strengths of common requirements, special colloquia, independent Honors projects and theses, and traditional courses. Special sections of core courses are tailored to the needs of the Honors Scholar, and students may petition for Honors credit in regularly offered sections of 300- or 400-level courses. Offerings include core requirements (up to 13 semester hours), Honors thesis (6-8 semester hours), and Honors-enhanced courses and/or colloquia (up to 18 semester hours). A minimum of 3 semester hours of the Honors-enhanced courses should be taken in a discipline outside the primary major.

Honors sections of Core Curriculum courses are indicated by an HR after the course number and are normally open only to Honors Scholars. Under certain circumstances, students with excellent academic records may be admitted to honors sections (with the permission of the instructor) even if they are not members of the Honors Program. Honors sections build on the strengths of the traditional courses with more depth, more complex ideas, more challenging projects, more engagement with state-of-the-art technology where appropriate, even greater emphasis on communication skills, more discussion of applicable theories, and more preparation and class participation. Students enrolled in Honors courses are expected to take a greater share in the responsibility for designing and selecting course materials. The Honors Core Curriculum requirements are Core 100 (3 semester hours), Core 200 (3 semester hours), and Core 300 (3 semester hours).

**Honors projects and course enhancements:** All students in the Honors Program are expected to complete Honors projects within their majors during the senior year. Upon application to the Honors Director and the Provost, students may complete an interdisciplinary honors project that draws upon multiple academic disciplines. Honors committees for interdisciplinary honors projects should include faculty from each relevant discipline as well as the Honors Director.

In addition, smaller projects in Honors may be completed in the context of independent study courses with Honors contracts or special topics courses with Honors contracts. These courses may include courses in the major, a special field of study, or colloquia in special topics. Honors-enhanced courses include an in-depth project or projects to be worked out in association with the instructor of a course in a major or area of strong interest. Projects include but are not limited to the expansion of a course assignment or assignments, the presentation of results of the project in a public forum, and/or additional assignments that allow students to delve more deeply into the subject of the course. Honors credit is offered only to students who make a grade of B or above in any Honors-enhanced courses. Students who make below B do not receive Honors designation on the transcript. Approval of the course instructor, Honors Director, and Provost is required for each Honors-enhanced course. The paperwork for Honors-enhanced courses should be filed with the Honors Director no later than the end of the drop/add period for the term in which the course will be completed. Students are responsible for assuring that paperwork noting the successful completion of an honors enhancement is filed with the Honors Director at the conclusion of each semester.

**Service component:** Students work together during the first year as a cohort to complete a common service project. Each year after that, every student is required to contribute approximately two hours a week to an appropriate service activity that has been approved by the Honors Director. For off-campus service projects, the Appalachian Center for Civic Life will be consulted.

# The Appalachian Center for Civic Life

## Talmage A. Stanley, Director

As part of the university's mission to integrate education with service and citizenship, the Appalachian Center for Civic Life exists to help individuals and student groups with short-term and extended service activities. It also seeks to establish service partnerships between the university and local communities. The center houses the Bonner Scholars Program and Appalachian Center Associates. Its staff coordinates service-learning placements, encourages volunteerism across the campus, and plans for a diversity of ways in which persons can become involved in the community. Guided by a vision of what people can accomplish

when working together, the center's work is defined by the conviction that everyone has the potential to make a difference in the community. The center's staff is available to provide educational opportunities for campus and community groups on such topics as Appalachian political economy, Appalachian culture, rural community development, citizen activism, and social change.

# Awards and Recognition

Emory & Henry encourages achievement by sponsoring awards which are given on the basis of distinctive performance in academics or leadership.

## Academic Honors

Students who achieve academic distinctions through earned GPA on all courses taken at Emory & Henry are graduated as follows: cum laude if at least 3.3, magna cum laude if at least 3.6, and summa cum laude if at least 3.9. Grades in courses accepted for transfer of credit to Emory & Henry are not included in the computation of cumulative GPA.

Academic achievements also are recognized during each semester. Students who enroll for a minimum of twelve semester hours and whose semester averages are 3.6 or above are placed on the Dean's List. (Students with a grade of Incomplete are not eligible for the Dean's List, though students with a grade of In-Progress are eligible.) Alpha Chapter of Sigma Mu scholarship society was established in 1936. Membership is limited to the highest ranking tenth of the senior class and the highest ranking fifteenth of the junior class. The first-year student with the highest overall average at the end of the first year of study is named for the Sigma Mu Freshman Award. Those students ranked at the top of the sophomore, junior, and senior classes receive the Snavely Prize for their respective class. The winner of the Senior Snavely Prize receives a Revere bowl. A number of other academic awards are presented to junior and senior students by individual departments.

### Merit Scholarships

Emory & Henry has a comprehensive program of merit scholarships which are awarded to students on the basis of their academic achievements and, in some cases, their records of leadership and service. First-year students and transfer students who have compiled outstanding records are considered for a number of merit scholarships. Such scholarships may impact other financial aid received. For information on scholarships, see http://www.ehc.edu/admissions/cost-financial-aid#scholarships grants.

### Leadership and Service Awards

The Senior Service Award may be given to one senior student who has made unusually outstanding contributions to campus life. The Cardinal Key Cup and Blue Key Cup are given each year to a female and male student who have been distinguished by leadership and service on campus. A senior orator is chosen each year by vote of seniors to express the aspirations and concerns of the class as part of Commencement exercises. A limited number of junior and senior students are chosen each year for listing in Who's Who Among Students in American Universities and Colleges.

## Awards to Faculty and Staff

Outstanding performance by faculty members, both in classroom teaching and in demonstrated concern for students in other settings, is recognized annually through the Excellence in Teaching Award presented by the student body, the James A. Davis Recognition Award given by the Alumni Association, and the Finch Award given by the university. A faculty or staff member is chosen each year for the Earnest and Elizabeth Maiden Award, given for outstanding professional contributions to the university.

Research and professional advancement among faculty members are encouraged through generous grants from the Mellon Challenge Fund for Faculty Development and the Reverend E.L. McConnell Scholarship Fund.

## Endowed Chairs and Professorships

Distinguished faculty members with long terms of service to the university may be designated for one of the following endowed chairs or professorships: James Earl Copenhaver Professorship in Chemistry; Holbert L. Harris Professorship in Free Enterprise; Hawthorne Chair in Political Science; Hull Chair of Economics and Business; David C. and Richard H. Hull Chair in the Natural Sciences; Billie Sue Hurst Professorship in Chemistry; Jack and Mary Ellen McConnell Professorship in Biology; Geraldine A. Meyung-Dr. Clyde Alley Chair in International Studies; C. Lee Richardson, Sr., and Mahala Reeves Richardson Chair of American History; Allen B. and Agnes Rowlett Chair of Creative Studies; Floyd Bunyan Shelton Chair of Religion; Henry Carter Stuart Chair of English; and John M. Wolfe and Rebecca McMullin Wolfe Chair of Religious Education.

## Lecture Series

Endowed lectureships enable the university to bring to campus guest speakers of national stature: the Bays Blackwell Lectureship (statesmanship and public service); the Richard Joshua Reynolds Lectureship (humanities and the arts); the Staley Distinguished Christian Scholar Lectureship (religion); the Marcus A. and Mary E. Talbert Lectureship (science); and the Robert B. Platt III Lectureship on Contemporary Ecological Perspectives (environmental studies). Lectureships have also been established in English, honoring Daniel G. Leidig, and in biology, honoring Nancy Pence Groseclose.

The Iron Mountain Review, published annually by the English Department, reprints the proceedings of the university's annual literary festival, along with some new writing by that year's featured author and a bibliography on his or her work. Each year since 1982 the literary festival has celebrated the achievement of a writer with strong ties to the Appalachian region, including such notable figures as James Still, Fred Chappell, Lee Smith, Jim Wayne Miller, Wilma Dykeman, Mary Lee Settle, Robert Morgan, Charles Wright, Gurney Norman, and Denise Giardina.

# University Policies

## Inclement Weather

Emory & Henry University has campus locations in Emory, Bristol, and Marion. Due to the difference in locations, it is possible that classes may be delayed or cancelled on one campus and not another. Because the Emory campus is primarily a residential university with a majority of its undergraduate students living on campus, it is the intention of the University to remain open during inclement weather conditions. Under rare circumstances, such as severe inclement weather, a natural disaster, or other emergency, the University may delay the opening of university activities or suspend operations early. When information is sent to local media, the information will clarify Main Campus, located in Emory, and Marion Campus for classes at that location. In the event of a delayed opening of the Marion campus, classes will be delayed but will meet for the normal length of time.

Emory & Henry offers "AlertAware", a state-of-the-art notification app, that is capable of sending notifications instantly and simultaneously to all registered wireless phones and email addresses. Registration is available by downloading the app on Google Play or the App Store. This is an opt-in program and you must register in order to receive the alerts. This is the surest way for you to receive notifications critical to your safety and well-being. In the event of a critical emergency, the campus siren will be activated. This is a signal to check your mobile phone or campus e-mail for information. If you have questions regarding the Campus Alert System, please contact the Dean of Students Office.

The decisions to cancel or delay classes and/or cancel or delay the opening of offices because of inclement weather will be made by 6:30 a.m. on the day of the university schedule change. When inclement weather or other circumstances lead to a delayed opening and/or cancellation of classes and office hours at Emory & Henry University, information will be communicated through a variety of sources in the order provided below.

1. Information will be distributed through the Campus Alert System, which provides an email and text message to registered users only. This is the university's preferred method of communicating emergency messages, and university community members are strongly encouraged to sign up for this free service at http://www.ehc.edu/alert.
2. Campus Alert Messages will be posted at the top of www.ehc.edu for one hour following each alert.
3. Information will be sent to the following TV and radio stations, in order of contact: WCYB-TV 5 (Bristol); WJHL-TV 11 (Johnson City); WABN-FM 92.7 (Abingdon); WOLDFM 102.5 (Marion).

When the University cancels classes and office hours for the day, academic programming and business operations are not held on that day. When the opening of the University is on a two-hour delay due to inclement weather, the condensed class schedule listed below applies, with the exception of the Marion Campus and the Equestrian Center. On days when a two-hour delay is issued, Equestrian Center classes prior to 1:30 p.m. will be canceled due to the travel distance.

### Inclement Weather Plan-Delayed Schedule

#### Monday, Wednesday, Friday

| Regular Time | Inclement Day |
|---|---|
| 8 a.m. | 10:00-10:35 a.m. |
| 9 a.m. | 10:40-11:15 a.m. |
| 10 a.m. | 11:20-11:55 a.m. |

| | |
|---|---|
| 11 a.m. | 12:00-12:35 p.m. |
| 12 p.m. | 12:40-1:15 p.m. |

### Tuesday, Thursday

| Regular Time | Inclement Day |
|---|---|
| 8:00 a.m. | 10:00-10:55 a.m. |
| 9:30 a.m. | 11:00-11:55 a.m. |
| 11:00 a.m. | 12:00-12:55 a.m. |

**Remaining class times will not change.**

In the event of inclement weather resulting in a delayed opening of the university, university offices will open at the time designated in the delayed opening message, and faculty and staff should report at that time. However, since conditions vary throughout the area, employees should exercise judgment as to whether travel conditions may be too hazardous for them to report to work.

An instructor who feels that it is best to cancel his or her class because of inclement weather will notify the Provost (or designee) so that appropriate action may be taken. When a class is canceled, the Registrar (or designee) will post an official notice. The instructor is responsible for communicating with individual students in the class concerning makeup work and other information.

Questions from faculty related to closings and/or delays should be directed to the Office of the Provost at extension 6168. Questions from staff related to closings and/or delays, emergency work, or other issues should be directed to the Human Resources Office staff, extension 6814.

The decisions to cancel or delay classes and/or cancel or delay the opening of offices because of inclement weather are made by the Provost (or designee), who confers with the Dean of Students (or designee) and Security staff about road and other weather conditions. The Vice Presidents for Academic Affairs and Student Life are responsible for implementing the communication plan outlined in this policy.

# Online Student Privacy Policy

## Student Conduct

### Technological Responsibilities

As part of their online course experience, students should practice technological responsibility. Students should:

- Have a back-up plan in place in case of computer difficulties or loss of internet service.
- Avoid using "technical problems" as an excuse for late work.
- Search online for solutions to error messages or other difficulties before contacting the Help Desk.

### Communication and Etiquette

Students and faculty should communicate respectfully and professionally. Inappropriate language or behavior may result in disciplinary action and/or expulsion.

**Writing Expectations**: Students should:

- Use standard English grammar, spelling, punctuation, and capitalization.
- Proofread all work before submitting it.
- Avoid acronyms, emoticons, and abbreviations such as "u" for "you," "B4" for "before," and so on.

# Student Privacy
## Identity Protection
- All course participants will be issued a username and password. Students are prohibited from sharing this information for any reason, including allowing others to access course materials.
- Students must fill out the online consent form available on the E&H website. This form allows students to indicate how and when the University may release personal information. (To inform faculty of Family Education Rights and Policies Act [FERPA] rights and obligations, the University will distribute the Information Release Policy and offer presentations at faculty meetings.)
- To verify that the registered student is the same person who completes the coursework, the University will periodically check student IDs.
- Students may also be asked to present identification in the following circumstances:
    - Campus visits
    - Face-to-face classes
    - Video conferences with instructors

## Data Protection
All distance education courses are housed and conducted in Moodle, our learning management system. To ensure the security of the student database, the University uses eThink, a cloud-based security system. Backups of student accounts and work are performed daily.

Institutionally, University software administrators enroll online students using data from our student information system. Faculty track student grades through Moodle. Students may access only courses in which they are enrolled and may view only their own grades.

# Participation and Attendance
## Attendance Requirements
Just as in traditional classes, professors of online courses often require attendance. Individual instructor requirements will vary, but faculty are required to record students' log-ins at least twice a week. Online students will register their attendance digitally by logging onto the course management system.

## Academic Integrity
Distance education students are required to sign and abide by the same academic honesty statement as traditional students. To ensure academic integrity, Emory & Henry University uses Respondus, a secure browser application, and Respondus Monitor, a tool that allows faculty to observe students via webcam. Moodle also offers additional features such as password-protected tests and random-ordered questions. To indicate their acceptance of the honor code, online students will sign the academic honesty statement in the Orientation for Online Learners course.

## Academic Honesty
**Identity Checks**
To ensure that the enrolled student is the one who actually takes the course, the University has instituted the following identity checks:

- First check: when students enroll and register
- Second check: when students attend face-to-face sessions with faculty or attend on-campus events. (If a class does not require a face-to-face meeting, faculty will be expected to verify a student's identity through a web conference.)

**Complaint Process**

**If a student has a complaint, they should first try to resolve the issue by talking to the relevant faculty or staff member (who may ask for additional information and/or schedule an appointment to discuss the problem.) If the student does not feel comfortable contacting the faculty/staff member, they may address the relevant supervisor. If no resolution is possible, the student should submit a formal written, signed complaint to the Director of Human Resources/Title IX Coordinator.**

The formal complaint should include:

- The actual complaint, stated as specifically as possible.

- A description of the desired outcome.

The Student Complaint form is available online at https://cm.maxient.com/reportingform.php?EmoryandHenry&layout_id=61 or in the Human Resources Office. Each student has the right to seek remedy for a disagreement. Specific policies and procedures are outlined in the Academic Catalog and the Student Handbook; possible issues include grade appeals, parking tickets appeals, student conduct, and student records.

In the case of issues not covered by the Catalog or Handbook, students have the right to file a complaint and request resolution. The dean of the relevant area (or a designee) will address the complaint in a timely manner and resolve it appropriately. If the complainant is dissatisfied with the resolution, they may appeal to the president of the University. This policy does not apply to academic grade disputes, Title IX issues, or other published policies or procedures.

If a student prefers to report a concern anonymously, they may call the independently-administered Campus Conduct Hotline at (866)-943-5786. The hotline is available twenty-four hours a day, seven days a week. All calls remain confidential (and anonymous if desired). The hotline operator will submit all inquiries to the appropriate University staff member.

# Registration for Courses

All fees must be paid if the student is to maintain eligibility for preregistration and registration for courses. Please refer to the section on Fees for specific requirements.

Each semester, students preregister for the courses to be taken in the following semester. All preregistration information is submitted to the Registrar through online registration with the approval of the faculty advisor. More information regarding online registration is available in the Registrar's Office and on the Registrar's website.

No student may register later than the last day for course addition designated in the academic calendar. Students who do not complete registration (including payment of fees) by the end of the last day for course addition will be removed from the university roster, will not be permitted to attend classes, and will not be allowed to register retroactively.

# Change of Schedule After Registration Day

For any change of schedule after registration day, including dropping or adding one or more courses, a student must use the forms available in the Registrar's. Changes are permitted only during the period specified in the university calendar and must be accompanied by the written consent of the faculty advisor and the Registrar or the Provost. Students may add a course after the first scheduled class session only with the written permission of the instructor.

# Writing and World Language Placement

**Writing:** A student with unusually high verbal scores on the SAT or ACT may be exempted from English 100 and 101. In order to fulfill university requirements, such a student still must enroll in and complete an upper-level writing course. Credit is granted only for the writing course which the student completes.

**World language:** All students will take an online language placement exam in their chosen language, administered by the Department of World Languages, in order to be placed in the appropriate course. Students who place into the 200 level are required to pass an oral interview with World Languages faculty in order to confirm fulfillment of the World Language requirement.

# Academic Standing and Academic Penalties

Each student's academic performance must meet certain minimum requirements for the student to continue at Emory & Henry. Following are the minimum grade point averages (GPAs) required of students at various stages.

| Students who have earned: | Must have a cumulative GPA of at least: |
|---|---|
| Fewer than 26 hours of credit | 1.800 |
| At least 26 hours but fewer than 57 | 1.900 |
| 57 hours of credit or more | 2.000 |

(Note: these semester hour totals include any credits transferred from other institutions, although only courses taken at Emory & Henry count toward the GPA.) Failure to meet the minimum requirements will result in academic penalties assigned in the following manner.

If a student fails to meet the minimum GPA at the end of any semester of enrollment at Emory & Henry, he or she will receive academic warning.

If at the end of the next semester the minimum GPA has not been attained, the student will be placed on academic probation. Any student on academic probation who earns a semester GPA of 2.3 or above, but whose cumulative GPA is still below the minimum, will be placed on automatic extended probation. Students may stay on automatic extended probation for no more than three consecutive semesters and must earn a semester GPA of 2.3 in each of those semesters. A student on academic probation who does not meet the 2.3 semester GPA required for automatic extended probation will face academic dismissal from the university. At the end of three consecutive semesters on extended probation, students whose cumulative GPA is still below the minimum will face academic dismissal. A student who once clears academic warning or probation and then falls below the minimum GPA in any semester thereafter is immediately placed on academic probation.

Appeals of academic dismissal status must be lodged within two weeks of notification of dismissal and will be referred to the Committee on Academic Standards for a recommendation to the Provost. If a student fails all classes during a full-load semester or receives WF grades for all classes, he or she will be dismissed from the university. A part-time student who fails all classes for the fall or spring semester may be dismissed at the prerogative of the Provost.

While not facing an academic penalty, any first-year student with a GPA between 1.80 and 1.99 and any sophomore with a GPA between 1.90 and 1.99 will be classified as at academic risk. Such students will be required to take and pass General Studies 150, Strategies for Academic Success. All students on academic warning or academic probation who have not previously passed General Studies 150 are also required to enroll in this course.

A student who is on academic probation may not participate in activities which represent the student body or the university in public or official capacities, including debates, dramatic or musical performances, or other similar public appearances, student publications, elected or appointed positions in campus government, or other leadership positions on campus. Students on academic probation who are involved in intercollegiate and club activities may participate in all team activities except for competitions.

A student dismissed for academic deficiency must wait through one fall or spring semester before applying for readmission. While under dismissal status, he or she may not enroll as a special student during a fall or spring semester, although the student may take courses during summer sessions. No student dismissed at the end of the fall semester will be eligible for readmission before the next June 1. No student dismissed at the end of the spring semester will be eligible for readmission before the next November 1. Courses taken during summer school do not entitle a student who has been dismissed to consideration of readmission before waiting through one regular academic semester.

A student who is readmitted following academic dismissal is automatically placed on academic probation upon return. The student's academic status may not be upgraded until he or she has completed one fall or spring semester after readmission to the university.

Academic standing is computed at the end of the fall and spring semesters. It is also re-computed at the end of the last summer session for participating students. However, students who have been dismissed may not have their academic status upgraded until they have completed one fall or one spring semester after readmission to the university.

# Academic Code and Procedures for Due Process

Emory & Henry University, as a community of persons "mutually united in a quest for truth," supports the principles of academic freedom and academic due process for both students and faculty. Such rights imply a parallel responsibility for academic integrity. Students are expected to do their own work on individual assignments and to acknowledge the sources of information summarized or quoted in papers. Faculty should state course expectations clearly, evaluate work fairly and promptly, and deal honestly with intellectual positions. Failure to fulfill these responsibilities or to resolve disagreements about other academic matters impairs the effectiveness of the educational process.

The Academic Code of the university outlines specific rights and responsibilities of faculty and students in regard to academic matters. The code describes the procedures of informal resolution of academic grievances and of an official appeal to the Committee on Academic Standards.

**I. Code of Academic Rights and Responsibilities**

**A. Students**

**1. Rights**

a. Freedom of expression. Students are responsible for learning thoroughly the content of any course of study, but are free to take exception to the data or views presented and to reserve judgment about matters of opinion.
b. Fair evaluation of academic performance.
c. Confidentiality and access to personal records.
d. Due process for complaints against students.

**2. Responsibilities**

a. Seek clarification where course objectives and procedures are unclear.
b. Participate responsibly in the course through attendance and study.
c. Work independently on tests, quizzes, examinations, or any other assignments used in determining the final grade, except as indicated by the instructor.
d. State accurately intellectual positions which are used or related in course assignments, and give proper credit to sources of ideas which are not common knowledge or are not originated by the student, or wording that is not fully original with the student.
e. Receive permission from both instructors before developing a paper or project for more than one course. Receive permission from the current instructor before using a previously prepared paper or project.

**B. Instructors**

**1. Rights**

a. Academic freedom.
b. Fair evaluation of academic performance.
c. Due process for complaints against faculty.

**2. Responsibilities**

a. State basic course requirements and objectives.
b. State grade scale and procedures of evaluation.
c. Create a climate conducive to learning.
d. State accurately intellectual positions which are used or refuted in coursework, and give references to specific authors.
e. Evaluate objectively student work in a reasonable period of time so that the student may grow in understanding and ability.
f. Protect against improper disclosure of information about students. Information about student views, beliefs, and associations which is privately acquired by instructors, advisors, and counselors, should be considered confidential. Judgements of ability and character may be provided under appropriate circumstances, normally with the knowledge or consent of the student.

**C. When a breach of the above rights and responsibilities is recognized by a member of the community, the following procedures should be implemented.**

**II. Informal Resolution Procedures**

A. Whenever possible, individual instructors and students should seek to resolve the issues themselves.
B. If approach A fails, another appropriate person from the University community (e.g., faculty advisor, department chairperson) may be consulted to serve as an informal mediator.
C. If approaches A and B are unsuccessful, either student or an instructor may request mediation by the Dean of Faculty or his/her designee.

**III. Formal Resolution Procedures**

A. If informal resolutions fail, students may submit a request to the Dean of Faculty or designee for consideration before the Committee of Academic Standards, which will serve as a final review board. **Students must submit appeals of grades of fall semester courses no later that January 3, and of spring semester by no later than May 15**. Students choosing to use electronic communications are responsible for confirming that the request has been received. At least five days before a hearing, the chair of the Committee on Academic Standards will notify all parties, in writing, of the complaint and the time of the hearing.
B. The committee will seek information from appropriate persons. Each party will be permitted to provide names of such persons. The committee has the prerogative to determine a reasonable number of persons who may appear before the committee.
C. Voting will be by secret ballot, with a majority vote of the full committee is required for decisions. The chairperson will, in writing, inform the accused and the plaintiff of the committee's decision and any possible appeals procedure.
D. The committee will keep in confidence minutes of all its proceedings. The committee may review these minutes in deciding appropriate resolutions.
E. Summer School and December Term: **Students must submit appeals of grades of summer and winter term courses no later than 14 days after the grade submission deadline of the course being appealed.**
1. If formal resolutions fail, any requests for formal resolutions will be presented to the Dean of Faculty or designee.
2. A hearing will take place no earlier than three academic days after the request by the Dean of Faculty or designee. At least three academic days before the hearing, all parties will be notified, in writing, of the charges and the time and place of the hearing.
3. The Dean of Faculty or designee will keep in confidence minutes of the appeals hearing and will submit these minutes to the

Academic Standards Committee.
4. For all problems arising during the summer sessions, the Dean of Faculty or designee will serve as arbitrator. The accused or plaintiff may request that the hearing of the complaint be delayed until the resumption of the fall session when the normal procedures would be followed. This request by the accused or plaintiff must be made before the Dean of Faculty or designee has begun to hear the case. Resolution of the charges by the Dean of Faculty or designee consistent with the policies of this document will be final.
F. Means of resolution will be chosen after review of records from previous hearings involving the accused and in light of the present circumstances. A means of resolution will be chosen from the list from Part IV below and will be communicated in writing by the chairperson of the Academic Standards Committee or the Dean of Faculty or designee to the accused and the plaintiff.

**IV. Resolutions**
**A. Informal and Formal Resolutions of Complaints Against a Student**
1. Dismissal of complaint
2. Private directive to student
3. Repetition of work
4. Repetition of the work and a lower grade
5. F on work
6. Withdrawal from the course
7. Finish the course
8. Suspension from the University
9. Dismissal from the University

**B. Informal and Formal Resolution of a Complain Against an Instructor**
1. Dismissal of complaint
2. Private directive to instructor
3. Recommendation to Dean of Faculty
4. Recommendation that instructor's actions be considered in determining rank and/or salary
5. Dismissal recommendation to the President and the Dean of Faculty

**C. Involving Academic Freedom**
Students who perceive that a faculty member is interfering with their academic freedom should attempt to meet with that faculty member to reach a resolution. If such resolution is not achieved, the student may ask for a meeting with the faculty member's Department Chair (Division Chair - if the faculty member in question is the Department Chair and the Dean of Academic Affairs - if the complaint is against a Division Chair) in an attempt to reach a resolution. If the meeting does not result in a resolution, then the student may ask for a meeting with the Dean of Academic Affairs whose ruling can only be reviewed and overturned by the President. At this point, the student's complaint against the faculty member should be provided in writing to that faculty member and the Dean of Academic Affairs at least three working days prior to the meeting with the Dean of Academic Affairs. The Dean of Academic Affairs should have the right to meet with the faculty member against whom the complaint has been lodged and ask the faculty member to provide a written response within five working days to the charges brought by the student. If the Dean finds a breach in the student's academic freedom has occurred he/she may address the violation using the relevant means described in the above paragraph. Whatever the finding, the Dean of Academic Affairs should provide his/her decision to the faculty member in writing within 15 working days of having met with the accused faculty member.

**V. Amendment**
Any proposed amendment will be submitted to the Committee on Academic Standards. After reviewing the proposal, the committee may submit it to the faculty and to the Student Government for consideration and recommendation. A majority vote by the faculty will adopt the amendment.

# Financial Aid

The Office of Financial Aid is dedicated to assisting students and their families in understanding the complexities of financial aid and navigating the process so that every student knows how to access the various types of financial aid for which they may be eligible. The Financial Aid Office is located on the first floor of Wiley Hall. The staff of this office coordinates State, Federal,

private, and institutionally funded aid programs. The requirements and regulations that govern the types of aid sometimes differ. Many programs require that a student demonstrate need. There are loan programs that do not require need as a determining factor. It is important to remember that it is necessary to apply each year for financial aid. The Free Application for Federal Student Aid (FAFSA) is the cornerstone for financial aid eligibility, so be sure to take care of this year. Also, don't forget to list the financial aid code for Emory & Henry University. Use this code 003709 to list Emory & Henry University as the school of choice. The web address for FAFSA is FAFSA® Application | Federal Student Aid. The priority deadline is March 15 to allow time for processing so awards can be made before registration. For a full description of the types of financial aid available, application procedures, timeline, and other requirements, please see the Emory & Henry University Financial Aid Handbook.

To be eligible for financial assistance, a student must have a high school diploma or GED; be enrolled as a regular student in an eligible program be a U.S. citizen or eligible non-citizen; have a Social Security number; make satisfactory academic progress; and not be in default on any federal loan or owe a refund on a federal grant. Financial aid is generally awarded based on academic achievement and demonstrated financial need. The responsibility of financing a student's education is the student and family first. Parents are expected to contribute to college expenses as they are able from income and assets. The student has a role in paying for college expenses as well through savings, summer work, and other resources. Each student is considered based on the family's financial situation.

In compliance with NCAA Division II regulations, the composition of the financial aid package of student-athletes shall be consistent with the established policy of the institution and financial aid procedures for student-athletes shall be the same as for non-athletes. Institutions may not consider athletic ability, leadership, participation, or athletic performance in the financial aid packaging. Institutions must submit an annual report to the NCAA that includes data regarding financial aid packages for student-athletes, as well as for non-athlete students. For a summary of NCAA regulations, see: http://gowasps.com/information/compliance/index

## Student Responsibilities

A student who desires aid has the following responsibilities: Be a newly admitted or continuing student at the university.

Read the Emory & Henry University Financial Aid Handbook found online under Costs & Financial Aid, Resources.

Apply for financial aid each year by filing a Free Application for Federal Student Aid (FAFSA) at www.fafsa.gov (beware of any site other than the .gov site).

Complete and submit all required documents to the Financial Aid Office or appropriate agency prior to each semester of enrollment or as requested.

Enroll in a minimum of 12 semester hours each semester or notify the Financial Aid Office in writing of the intent to be less than full time. Some types of aid (see the Emory & Henry University Financial Aid Handbook online) may not be available for less than full-time enrollment.

Maintain satisfactory academic progress, as defined below.

Notify the Financial Aid Office of any unusual change in the family's financial situation, including any types of aid or outside scholarships being received from sources other than Emory & Henry University, whether paid directly to the student or to the university. This assures that no student is receiving an over-award of federal, state, or institutional funds that may have to be repaid in the future. Over-awards can impact eligibility for future federal, state, or institutional aid.

Use financial aid funds, including student and parent loans, solely for educational purposes, including personal expenses supporting student education.

If an over-award of a loan or grant occurs, repay any amount due within that semester.

If any student loans were taken, complete exit counseling for student loans, when no longer enrolled at least half time.

Provide the Office of the Registrar with current mailing and email addresses, along with home and cellular telephone information.

**Students should beware of any person or agency offering scholarship search services for a fee.**

## Satisfactory Academic Progress

For the purpose of satisfactory academic progress, financial aid includes all federal, state, and Emory & Henry University funded scholarships, grants, discounts, work, and loans.

**The 150% Rule**

The maximum timeframe for undergraduate students completing degree requirements is six years for full-time study and twelve years for part-time study. Therefore, financial assistance will not be available beyond the maximum timeframes. For a degree requiring 120 credit hours to complete financial aid eligibility ends after 180 credit hours are attempted. For a degree requiring 124 credits to complete financial aid eligibility ends after 186 credit hours are attempted. Withdrawals, and repeated courses, will be counted toward total credits attempted.

Emory & Henry University institutional aid (scholarships and grants) is not available for more than eight (8) semesters - four (4) full-time years of study.

Students should also be aware that completing the minimum 24 credit hours per year on a full-time basis would not allow the degree to be completed in four (4) years. Students enrolling for 12 credit hours per year on a part-time basis will not be able to complete the degree in eight (8) years.

## Quantitative Standards

To be eligible for continued receipt of financial aid, full-time students enrolled in a degree program must complete at least 75% of all attempted credit hours.

Satisfactory progress standards are cumulative and will include all semesters of the student's enrollment, even those for which the student did not receive student aid.

**Qualitative Standards**

**Grant Point Average Requirements**

When progress is reviewed, full and part-time students must meet the cumulative GPA requirement at their level of study. Students are required to have a 1.7 cumulative GPA after their first semester of enrollment. Students are required to have a 1.8 cumulative GPA after their second semester of enrollment; and a 1.9 after their third semester of enrollment. Students are required to have a minimum of a 2.0 cumulative GPA after four semesters of enrollment. If the required CGPA is not met, the student is not eligible for financial aid until it is achieved.

**Measurement of Academic Progress**

Academic Progress measurement includes the Fall and Spring semesters and will be measured at the end of each semester.

Failures and withdrawals are courses attempted, not completed. Incompletes are not counted towards credits completed until after the coursework is successfully completed and posted by the Registrar. Repeat courses will not count toward credits completed for SAP since the credits were already counted toward the standards the first time the course was completed and the student already received aid for these courses.

**When Minimum Standards of Academic Progress are NOT achieved:**

The Financial Aid office will notify students who fail to meet these requirements when information on academic progress is available at the end of each semester. Students who fail to meet these requirements the first time will be placed on Financial Aid Warning for the following semester. If the student is still not meeting the minimum standards, their financial aid will be suspended and will not be considered until all standards have been achieved or a successful appeal has been granted. If an appeal has been granted, then the student is placed on Financial Aid probation for the following semester. Under no circumstances will student aid be awarded retroactively to the semester(s) in which the standards were not met.

Students who fail to meet these requirements are encouraged to make up the hours and grade point requirements during the summer sessions at their own expense. Once the Registrar posts the grades and credits for the summer coursework, and if the requirements have been met, the student will be considered for financial aid for the next academic year. Only coursework attempted at Emory & Henry University will contribute to the grade point average. Students with an approved Application for Transfer Credit will receive unit credit only from coursework taken at another institution.

A student who has not made progress may submit an appeal request to the Director of Financial Aid for an extension to meet the progress requirements, if they feel there were circumstances that contributed to not making progress.

Students are encouraged to meet with their Academic Advisor and/or the Dean of Student Success and Retention to create an academic plan to regain satisfactory academic progress. A student filing an appeal must explain, and document, any unusual/ extraordinary circumstances that prevented their academic success and also submit their advisor approved academic plan. All appeals should be sent to the Director of Financial Aid. The student will be contacted in writing regarding the outcome of the appeal.

## Dropped Courses

A course that is dropped during the drop/add period will not be considered as an attempted course. A course that is dropped after the drop/add period will be considered as attempted and not completed. Therefore, that course will count against a student's completion rate.

## Readmitted Students

In order for a readmitted student to be eligible to receive financial aid that student must meet SAP standards at the time of readmission. If a student left the university in an ineligible status then, the student is still required to attain the required SAP standards before becoming eligible to receive financial aid.

## Transfer Students

A transfer student who enrolls at Emory & Henry will be considered to be maintaining satisfactory progress for their first academic year of their enrollment. At the end of a transfer student's first academic year of enrollment, progress will be reviewed in the same manner as for all other students.

## Transfer Credits and Credit by Exam

Credits earned through courses transferred from other institutions, through examination or testing (such as Advanced Placement (AP) or International Baccalaureate (IB) exams) or through dual credit programs will be considered when determining a student's completion rate and maximum timeframe. Only the GPA earned on hours completed at Emory & Henry will be considered when evaluating the cumulative GPA.

## Withdrawals

A student who withdraws from Emory & Henry after a semester has begun will have his or her satisfactory academic progress standing re-evaluated at the end of the academic year in which the withdrawal occurred. A student who was in good standing prior to the withdrawal will remain eligible to receive financial aid until their standing is re-evaluated. If a student withdraws from Emory & Henry while on financial aid probation, he or she will be immediately declared ineligible to receive financial aid and must submit an appeal to have his or her standing re- evaluated.

## Incomplete Courses

A course in which a student receives an "incomplete" grade will be counted against the student's completion rate for the period being evaluated. An "incomplete" grade will not be included in calculating the cumulative GPA used for the period being evaluated. When the "incomplete" grade is replaced with a final grade in the course, that student's SAP status will be re-evaluated to determine his or her final standing.

## Failed Courses

A course in which the student receives a failing grade will be considered toward the cumulative GPA, semester hours attempted, and whether a student is making satisfactory academic progress.

## Repeated Courses

The hours attempted/earned for a repeat course will be considered toward the cumulative semester hours attempted/earned. The grade earned in the most recent satisfactory completion of the course will be included in the cumulative GPA.

## Terms for Disbursement of Aid

All financial aid administered by Emory & Henry University is credited directly to the student's tuition account in the university's Business Office, with the exception of Federal work-study wages which are disbursed in the form of paychecks or direct deposit to the students each month following submission of a timesheet. For each regular semester a student is enrolled in at least 12 semester hours and eligible to receive aid, one-half of his or her total financial aid award for that academic year is credited to his or her account after the end of the registration add/drop period, as actual funds are received from the source of the financial aid. All financial aid funds are disbursed with priority given to students who complete the application process by the deadlines specified in the Financial Aid Office. Late applicants, even if qualified, may fail to receive funds. Students who have not previously made arrangements to be less than full time and had their aid appropriately recalculated will find their financial aid adjusted after the end of the add/drop period of registration, based on the number of hours for which they actually enroll.

The university may withhold payment of financial aid funds, in whole or in part, for any semester during which any of the following conditions is found to exist:

The student fails to comply with all federal aid regulations;

The student is not maintaining satisfactory academic progress as defined above;

The student is in default on a loan made from any student loan funds or on a loan made, issued, or guaranteed under any of the federal loan programs; or

The student is not enrolled at least half-time in a degree program.

## Veterans Benefit Delayed Policy

Students using Chapter 33 Post 9/11 GI Bill® or Chapter 31 Voc Rehab benefits will be allowed to enroll even though VA has not yet paid tuition and fees to the university by the published payment deadline. These students will not be assessed a late penalty fee. The student must produce the VA's Certificate of Eligibility by the first day of class in order for the tuition amounts to be certified. The VA certifying Official will notify the Business Office of all students that are eligible for Chapter 33 and Chapter 31 benefits.

For more detailed information on any financial aid program or on application procedures, visit the Costs and Financial Aid section of the university website (particularly the Financial Aid Handbook under Resources) or contact the Financial Aid Office at Emory & Henry. Current or prospective students and their parents are welcome to make an appointment to talk in person with the Financial Aid Staff. Please write the Financial Aid Office, Emory & Henry University, P. O. Box 947, Emory, Virginia 24327-0947; email ehfinaid@ehc.edu; or call 276-944-6826.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at http://www.benefits.va.gov/gibill.

## Refunds in the Event of Withdrawal from the University

The university operates on an annual budget that necessitates advance planning and financial commitments to teaching staff and others whose services are essential to its operation. For this reason, no semester charges are removed for those persons who are dismissed from the university for disciplinary reasons. Likewise, students who withdraw from the university, even for illness or other emergencies, receive no refunds of room rent or other fees. Adjustments for tuition and board are pro-rated as indicated below. The date of withdrawal used to compute a student's balance is the date on which the Dean of Students signs the official university withdrawal form. The student who leaves school at one date and waits to withdraw officially at a later date receives appropriate adjustments based on the date of official withdrawal. For an explanation of the procedures for official withdrawal, consult the catalog section on Academic Policies.

**Student Account Adjustments for University Withdrawals During the Regular Academic Year:**

Before the first class 100% (less advance deposits)

Before end of first week of class 90% adjustment to tuition and meals

Before end of second week of class 75% adjustment to tuition and meals

Before end of third week of class 50% adjustment to tuition and meals

Before end of fourth week of class 25% adjustment to tuition and meals

No adjustments are made to tuition or meals after the fourth week of class.

**During Summer Session**

During first week of session 75% adjustment to tuition

No adjustment to tuition after first week of summer session

## Financial Aid Adjustments

Federal regulations require financial aid funds to be awarded under the assumption that a student will attend the institution for the entire period in which federal assistance was awarded. When a student withdraws from all courses for any reason, including medical withdrawals, he/she may no longer be eligible for the full amount of funds that he/she was originally scheduled to receive. The return of federal funds is based upon the premise that students earn their financial aid in proportion to the amount of time in which they are enrolled. A prorated schedule is used to determine the amount of federal student aid funds he/she will have earned at the time of the withdrawal. Thus, a student who withdraws in the second week of class has earned less of his/her financial aid than a student who withdraws in the seventh week. Once 60 percent of the semester is completed, a student is considered to have earned all of his/her financial aid and will not be required to return any funds to the federal government. Federal law requires schools to calculate how much federal financial aid a student has earned if that student completely withdraws OR stops attending before completing the semester. Therefore, return of federal funds may result in a balance due to the university. In such case, the entire balance is due to the university immediately.

## Refunds in the Event of Withdrawal from a Class

The schedule of refunds for withdrawal from a class is different from the above. No adjustments are granted for a course dropped later than seven calendar days after registration day. For full details on the procedures to be completed for official withdrawals, see the catalog section on Academic Policies. Note that the timetable for withdrawal from class without academic penalty is different from the timetable for withdrawal accompanied by refund.

## Refunds of Excess Financial Aid

Students receiving financial aid funds, including student and/or parent loans, are entitled to a refund of any excess funds remaining after all current charges, in accordance with federal regulations, have been paid in full. Please note that financial aid may be subject to change before refund calculation if a student is not enrolled full time at the end of the registration drop/add period. Refunds will not be made from any funds that have not been credited to the student's account in the Business Office. A refund will automatically be issued for an account with a credit balance unless the student (or parent for a PLUS loan) signs an Account Authorization Form which authorizes the university to hold the funds in excess of current charges on the student's account, or refund only the credit balance after bookstore and other authorized charges are deducted. Any student whose refund is the result of a parent PLUS loan must have that parent authorize in writing if the refund goes to the student rather than to the parent(s). Refunds will be generated within fourteen days after financial aid is transferred to the student's account.

# Grading Policies

## Grades and Grade Points

Emory & Henry uses the 4.0 grade point system. In this system, the grade point average (GPA) is determined by using a system of grade points per letter grade, as shown below, weighted according to the semester hours of credit earned in each course. For example, a student who earns an A in a course which has three semester hours credit will get twelve grade points (4 points x 3 hours) for that course, whereas a B earned in a course which has two semester hours credit will get six grade points (3 points x 2 hours). The total of grade points earned each term is divided by the total semester hours attempted, to yield the student's overall GPA. The overall GPA and the letter grade for each completed course are issued to the student at the end of each semester.

| | |
|---|---|
| A+ | 4.00 |
| A | 4.00 |
| A- | 3.67 |
| B+ | 3.33 |
| B | 3.00 |

| | |
|---|---|
| B- | 2.67 |
| C+ | 2.33 |
| C | 2.00 |
| C- | 1.67 |
| D+ | 1.33 |
| D | 1.00 |
| D- | 0.67 |
| F | 0 (Failure) |
| W (Withdrawn) | No credit/no penalty |
| WF (Withdrawn Failing) | 0 (Failure) |
| WP (Withdrawn Passing) | No credit/no penalty |
| P (Passing) | Credit given but not grade points |
| NG (No Grade) | No credit/no penalty* |
| I (Incomplete) | No credit/no penalty* |
| IP (In Progress) | No credit/no penalty* |

*See Incomplete and In Progress Courses

# Change of Grade

An instructor may submit a change of grade only in cases where the final grade has been miscalculated. A change of grade cannot be based on the submission of additional coursework.

# Repeating a Course to Improve the Grade

Regardless of the grade earned, a student may retake any regularly scheduled course except an independent study or an internship. In consultation with the advisor, a student may substitute a CORE 200, CORE 300, Religion Requirement course (101, 111, 131, 132, 200 or 213) or Statistics course (161, 162, or 163) with a different number. In the case of such courses, the student wishing to take the new course on a substitution basis must inform the Registrar of this by completing a Repeated Course Form before the last day for course addition designated in the academic calendar for the semester. (Otherwise, the second CORE 200, CORE 300, Religion Requirement, or Statistics course will be treated as a new and separate course enrollment.) Substitution does not apply to Modes of Inquiry courses.

When a course is repeated at Emory & Henry University, only the higher grade is used in computing the GPA. The other grade is shown on the university transcript but is designated as not applicable to the GPA. If a student is taking a repeatable course, such as GNST 151 or MUSP 230, and wishes both grades to be included, the student can indicate this on the Repeated Course Form, which is submitted to the Registrar's Office, where the appropriate adjustments are made. Special Topics courses, numbered 150 or 350, may be repeated for credit only if there is a different course title. Other courses may not be repeated for credit unless specifically allowed in the course description. Courses repeated after graduation may not be used to raise the GPA earned prior to graduation.

# Transcript of Grade

In addition to the end-of-semester grades available to students on MyHub, an official transcript is maintained for each student in the Registrar's Office. The transcript is part of the school's permanent records during and after the student's period of attendance. A student or alumnus may obtain a copy of his or her transcript by requesting online through Parchment (https://www.parchment.com/u/registration/32462/institution). Pursuant to the Privacy Act and because a signature is required, requests made by telephone cannot be honored.

Transcripts will only be released to students on financial hold if their situation meets the following criteria outlined in the Code of Virginia: ***23.1-900.2 Release of student transcripts.***

A. *Each public institution of higher education shall release an academic transcript directly to the employer or prospective employer of a student currently or formerly enrolled at such institution upon the request of the student.*

B. *No public institution of higher education shall condition the release of an academic transcript to a student currently or formerly enrolled at such institution on the payment of an outstanding debt if:*

1. *Such outstanding debt is less than $500;*
2. *Such outstanding debt is less than $1,000, and such currently or formerly enrolled student received a Federal Pell Grant; or*
3. *Such currently or formerly enrolled student has enrolled in a repayment plan that has made at least three consecutive monthly payments on such outstanding debt.*

## Pass-Fail Options

Certain courses at the university are always graded on a Pass-Fail basis, including internships; such courses are indicated as "Pass-Fail only" in their catalog descriptions. However, other courses may be taken Pass-Fail under certain conditions. A student who has achieved junior or senior status and who has earned a cumulative GPA of at least 3.0 may apply to take elective courses on this basis. **A course in the Core Curriculum, the primary discipline, or the contextual and support areas may not be taken on a Pass-Fail basis.** Only during the period designated for course addition may a student request that a course be changed to or from the Pass-Fail option. Written approval is required from the faculty advisor, the chair of the primary department, and the Provost. Credit earned in a Pass-Fail course may contribute to the number of hours needed for graduation but will not affect the GPA. No more than one such elective course may be taken during any semester, and no more than a total of four such courses may be credited toward a degree.

## Dismissal from a Course

A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the Committee on Academic Standards upon recommendation of the instructor. When a student is dismissed from a class by the Committee on Academic Standards, the grade that is recorded on the student's transcript will be the grade (W or F) that would have been earned had the student withdrawn voluntarily at that time. If dismissal occurs after the period designated for course changes, tuition and fee adjustments will not be made.

## Auditing a Course

To audit a course, the student must mark the course "Audit" on the standard registration form. It is recommended that the student have prior permission from the course instructor. Part-time students must pay a course audit fee. Full-time students must pay an audit fee if the usual credit hour value of the audited course, added to their registered for-credit course load, would total more than 18 hours. Audited courses are entered on the transcript but are not computed in the student's academic standing. Applied music classes and private lessons may not be audited. A course registered for credit may be changed to audit, or a course registered as audit may be changed to credit registration, only during the period designated for course addition. Related tuition and fee adjustments will be made for such changes. Members of the University Community Club may audit courses at a reduced fee with the permission of the instructor; see the office of the Provost for more information.

# Course Credit Policies

## Credit Hours

At Emory & Henry University, a credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that reasonably approximates:

1. Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out of class student work each week for approximately fifteen weeks for one semester, or
2. At least an equivalent amount of work as required outlined in item 1 above for other academic activities as established by the University including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

This definition follows that specified in the Code of Federal Regulations, Title 34, part 600. Its application to Emory & Henry University courses is as follows:

The standard for credit hour calculation is the 3-credit hour course, meeting for three hours per week (each hour consisting of 50 minutes, to allow transitions time between classes). Depending on holidays and days of the week a class meets, a three-hour course meets for 41 to 43.5 hours per semester. Each course is assigned a three-hour exam period (three full hours) which increases the contact time to 44 to 46.5 hours. In line with the federal definition of two hours of work outside of class for each hour of direct faculty instruction, each three-hour class should require nine hours of work per week (three hours of direct instruction and six hours of homework).

In applying this formula to other methods of delivery, we maintain the principles (1) that the total estimated time spent on task by each student to earn one semester credit hour shall be approximately 45 hours or more, including regular coursework and final exams and (2) that at least one-third of those hours are directly supervised by faculty, whether through lecture, discussion, supervised laboratory work, supervised internship activity, structured on-line activities, or other means.

## International Baccalaureate Credit

Emory & Henry recognizes successful achievement of students in the International Baccalaureate Program. Students who have earned certificates or diplomas in this program may present their transcript for consideration for the awarding of advanced placement credit. Credit is awarded by the Registrar's Office in consultation with the appropriate department chair. Emory & Henry University will normally offer a comparable number of credit hours to entering students who have studied at the "Higher Level" and have earned an IB grade of 5 or better.

## Graduate Credit

Upon approval of the course instructor, undergraduate students with senior status and a minimum GPA of 3.0 may enroll in and receive undergraduate credit for 500-level graduate courses that have been approved for the Emory & Henry master's degree programs. If courses are used as part of the major, permission of the department chair is required. Emory & Henry students accepted into graduate programs as undergraduates may enroll in graduate coursework before beginning a master's program, but a minimum of 150 hours must be earned in order to receive a bachelor's and a master's degree at Emory & Henry. Students may need more credit hours in order to fulfill all degree requirements in their respective programs. Individual programs may have additional requirements.

**Graduate Student Status**

In order to be considered a full-time graduate student at Emory & Henry University a student must:

1. Be accepted and enrolled in good standing in a graduate degree program at E&H.
2. Be enrolled in at least six credit hours (or more) of graduate-level courses and show progress towards the graduate degree.
3. The student's schedule must be approved by the graduate program advisor.

## Incomplete Courses

A grade of I (Incomplete) may be given only when the student has been in attendance and has done satisfactory work until within two weeks of the end of the semester and has provided proof to the instructor that the work cannot be completed due to illness or other circumstances beyond the student's control. In these cases, an Incomplete Grade Agreement Form is submitted to the Registrar's Office with signatures from the instructor and the student. The Incomplete grade carries no credit and must be removed by the end of the next semester of the regular academic year. If the work is not finished during that time, the grade will revert to the grade the student had earned at the time the Incomplete Agreement was submitted.  Exceptions to this regulation require approval of the Associate Provost.

## College-Level Examination Program

Credit for the College Board CLEP program or in the Subject Standardized Test of the United States Armed Forces Institute (DANTES) may be awarded only with approval by the Registrar, the appropriate department chair, and the Provost.

# Transfer Policies

## Transfer Students

Transfer students are required to meet all Emory & Henry University Core requirements outlined in the catalog above under "Core Curriculum Requirements" and "Requirements for Graduation," with the exceptions noted below:

- Only transfer students who have completed at least twelve semester hours of college credit elsewhere following high school graduation may be exempted from completing Self (CORE 100).
- Students who have completed at least twenty-six transferable semester hours elsewhere following high school graduation are exempted from the Lifetime Wellness course (CORE 103), but not the associated physical activity courses.

- Transfer students who enter Emory & Henry with at least fifty-six semester hours completed elsewhere following high school graduation are exempt from the Emory Abroad requirements.

The university's CORE 200 and CORE 300 requirements must be completed at Emory & Henry.

## Transfer Credit

Credit for academic work completed with a grade of C (2.0) or higher may be transferred if the course is appropriate to the curriculum of Emory & Henry. (Transfer credit will be awarded for transferable courses in which a grade of P was earned, provided that the course bears not more than one semester hour of credit, and that the course grading scheme was P/F by election of the college, as opposed to election of the student.) The work must be completed at a regionally accredited college or university, i.e., accredited by the Southern Association of Colleges and Schools or a comparable association. (Credits from a U.S. college or university holding accreditation through some other agency are evaluated on an individual basis.) Grades for courses taken elsewhere may not be transferred, and a student's cumulative GP A is based solely on work attempted at Emory & Henry. The Registrar and appropriate department chairs evaluate all transfer credit and determine its applicability toward fulfillment of requirements at Emory & Henry.

For those students pursuing an undergraduate degree at Emory & Henry, a maximum of 75 semester hours may be transferred from a community college or other two-year institution and applied toward graduation at Emory & Henry. Credit for work done outside the United States, unless it is part of a study abroad program sponsored by Emory & Henry University, must be evaluated at the student's expense by an international transcript evaluator recognized by the National Association of Credential Evaluation Services (NACES) or evaluated by the American Association of Collegiate Registrars and Admissions Officers International Education Services.

In order to receive credit for the equivalent of a course numbered 300 or above at Emory & Henry, a student must have completed the course at a regionally accredited institution that grants a baccalaureate degree or must receive approval of the chair of the appropriate department at Emory & Henry. Transfer of credit from four-year institutions is subject to the graduation requirement that the following must be taken at Emory & Henry: the final 33 semester hours, half of the required courses in the major, half of the minor or the contextual and support area (if one is included in the student's major), and the Core 200 and Core 300 courses. Exceptions must be approved by the Provost. Each course must have been graded C (2.0) or better in order to transfer. The university does not grant credit for noncredit courses, for life experience, or for professional certificates. Courses accepted for transfer from other institutions are not used in the computation of grade point averages for academic good standing.

Students already enrolled in Emory & Henry who wish to take coursework at other institutions must seek advance approval from the faculty advisor, the chair of the department in which the course falls, and the Provost or Registrar. Approval forms are available in the Registrar's Office. Such applications, especially for courses to meet requirements, should be made only in exceptional circumstances and for convincing academic reasons. The chair of the department involved may specify that following the completion of a course at another institution, transfer of credit is contingent upon satisfactory completion of a departmental examination at Emory & Henry. The Committee on Academic Standards serves as a board of appeals for proposals which do not receive approval from any of the above academic officers.

Students are not permitted to transfer courses to Emory & Henry if those courses are taken concurrently with enrollment at the university, except with prior approval by the Provost. The university's limits with respect to course load apply also to courses taken at other schools, or at any combination of schools.

# Student Resources

## Library

**E&H Library** functions as the heart of the University's academic program. The Library provides collections, services, and spaces to pursue excellence in confronting ideas, thinking critically about the human experience, and pursuing research. Library staff work with students and faculty to develop research skills and to provide a wide range of services that enhance the teaching and learning experience.

The Library provides easy access to more than 530,000 items including books, ebooks, periodicals, government documents, and DVDs. E&H Library subscribes to approximately 420 periodicals and newspapers in print and has access to 100,000 full-text periodicals and newspapers in electronic databases available through the Library's website. The Library's electronic resources can be accessed by any University user from on or off campus.

On the Emory campus, the Frederick T. Kelly Library's facilities include collaborative study space, private study rooms, Kelly Computer Lab, McGowan Computer Classroom, and the Robert D. and Rachel K. Denham Poetry Collection. The Kelly Library is open 90 hours per week when the University is in session. Kelly Library also houses the university archives, rare book collections, the Hunt Room and its Collections, and historical collections of note.

On the Marion campus, the School of Health Sciences Library and Learning Center facilities include group study rooms, quiet study space, health science focused collections, and resources and technology for supporting research. The SHS Library is open and available to anyone with Marion campus access.

Students may check out print materials for 30 days, and DVDs and CDs for one week. Although the Library does not charge overdue fines for its materials, students are encouraged to return all materials promptly so they are available for other patrons. All materials must be returned by the end of each semester. Failure to return library materials in a timely manner could result in items being billed to the student's University account. The replacement charge for each item (books, CDs, DVDs, etc.) is a minimum of $75 depending on the actual replacement cost, plus processing, of the lost item.

E&H Library is a member of the Holston Associated Libraries, Inc. (HAL), a consortium of two private colleges and three public library systems. The Library also participates in the VIVA (Virtual Library of Virginia) and the Appalachian College Association's Bowen Central Library consortia, which provide an extensive collection of electronic resources. If students need research materials that are not available in the Library, the materials may be requested online through ILLiad, the university's electronic interlibrary loan system.

Students and faculty have access to research assistance through online chat, text messaging, email, phone, and in person. The professional librarians offer instructional programs, training sessions, and orientations, along with academic reference services, and individualized research assistance.

## Information Technology Services

The campus is wired for voice, video, and data. Data drops are also available in each room in all student residence halls. Additionally, Emory & Henry has a campus-wide wireless network accessible in all populated parts of the campus.

There are about 200 public access computers in labs and other locations throughout the campus. Emory & Henry University provides Internet access for research purposes and an e-mail account for every student. Training in the use of e-mail, Internet access, and supported software applications is available from Information Technology Services. Computers are available in several locations on campus, with specialized software in various locations. Most computer labs are accessible when not utilized for classes. After hours computer lab access is available in the computer lab located in McGlothlin-Street Hall, room 233, during the fall and spring semesters. The Information Services Help Desk is located on the ground floor of Kelly Library. The telephone number for the Help Desk is 944-6881. The Help Desk can be emailed at ithelpdesk@ehc.edu.

## Directory Information

Emory & Henry University deems the following student records as Directory Information: student name, major and minor field of study, dates of attendance, enrollment status (e.g. full-time or part-time) and class standing, participation in officially recognized activities, height and weight information for student-athletes, degrees, honors and awards received, and most recent education institution attended. Release of student records and information, other than directory information can only be accomplished when the student submits a signed written release form, which is available online and in the Registrar's Office.

# Absences & Withdrawals

## Class Attendance

Emory & Henry University holds the philosophy that regular class attendance is a necessary part of the educational program of its students. Failure to conform to the policy of the university on attendance, formulated as specific attendance requirements for each course, may result in the instructor's lowering the course grade or assigning a grade of F. On recommendation of the instructor, the Committee on Academic Standards may dismiss the student from the course and assign a grade of W, WP, WF, or F, depending on the time in which the request is made by the professor. Habitual class absence may result in dismissal from the university by action of the Committee on Academic Standards.

When a class is missed, the student is responsible for material missed because of the absence. Participation in university-sponsored activities does not release one from class responsibilities, although instructors are expected to make reasonable accommodations for absences required by such activities. Students should consider carefully the number of activities in which they engage, especially those which may require class absences. Except in cases of emergency or illness, the student should advise the instructor of the expected absence before it occurs.

# Leave of Absence

An enrolled student intending to suspend the university experience by taking a semester or longer off from classes may request a Leave of Absence in writing to the Registrar. This request must be submitted before the last day to withdraw with a grade of W of the semester in which the leave commences. The request will be reviewed by the Provost, who will normally grant it. The Leave of Absence can be for one or two semesters, subject to extension if an additional request is filed. The student may reenter the university at the end of the leave (or earlier) simply by announcing to the Registrar the intent to do so. While on leave a student may preregister for the semester in which he or she plans to return, by contacting the Registrar. A student on academic, financial, or social dismissal is not eligible for a Leave of Absence.

A student who has formally withdrawn from the university cannot retroactively seek a Leave of Absence. A student on leave is not prohibited from taking courses at another school, although transfer of any such courses back to Emory & Henry cannot be assured without prior approval; see the section on Transfer Credit.

Financial aid for semesters in the distant future cannot be guaranteed; however, when possible, students returning from a Leave of Absence will receive the same financial aid support that they would have received had they remained as continuous students. Exceptions may arise, for instance, (a) when the student's financial status changes, (b) when governmental aid regulations change, or (c) when the student's endowed scholarship has been awarded to another student in the interim.

# Medical Leave of Absence

When seeking a medical leave of absence, students must submit to the Associate Provost a paper copy of their request to take a leave of absence for medical reasons no later than seven class days prior to the last day of classes; students should consult the current academic calendar for withdrawal deadlines. To be approved, leave for medical reasons must be certified by a licensed health professional via a letter on the health professional's letterhead (sent to the Associate Provost) with sufficient explanation as to the medical justification for the student's leave of absence.

A medical leave of absence approved by Academic Standards is designated as W (Withdrawn). The Committee on Academic Standards will also require a student receiving a medical leave of absence to provide a letter by a licensed health professional on the professional's letterhead stating that the student is ready to return to a college environment. This should also be sent to the Associate Provost. In order for a student who has received a medical leave of absence to return for the following semester, this letter should be received by the Associate Provost two days before the start of the next semester's classes. Any student who has been gone from the University for at least two full semesters must apply for readmission in order to return. See Readmission of Students in this catalog.

# Withdrawal from Class

A student may drop a class during the period specified in the academic calendar and the course will not be recorded on the transcript. A student may voluntarily withdraw with an entry of W (Withdrawn) on the transcript after the last day for course addition and continuing through the withdrawal deadline. The withdrawal deadline is three weeks from the last class day of the semester for the fall and spring semester (with the summer and winter terms calculated by the Registrar's Office.) After this date anyone requesting withdrawal for demonstrably bona fide reasons can appeal to the Committee on Academic Standards. A first-year student may not withdraw from Core 100.

Students are not permitted to withdraw from a course to avoid the consequences of academic dishonesty.

All withdrawals must be submitted officially on forms available from the Registrar. The student's withdrawal will be official on the date this form is signed by the Associate Provost or Registrar. The Academic Calendar dates for withdrawal may not be the same as the dates for withdrawal accompanied by refund of tuition charges, as described in the catalog section on **Refunds in the Event of Withdrawal from a Class**.

# Withdrawal from Emory & Henry

A student who withdraws from Emory & Henry before the close of a semester must receive clearance from the Registrar. Withdrawal forms are available from the Registrar. Withdrawal will be complete and refunds will be issued based on the date the form is signed by the Registrar, following an exit interview. Refunds will be given as described in the catalog section on Refunds in the Event of Withdrawal from the University.

A student who withdraws from the college during the period specified in the academic calendar for course addition will have no courses recorded on the transcript for the semester. Withdrawals will be recorded as W (Withdrawn) on the transcript after the last day for course addition and continuing through the withdrawal deadline.

# Military Service/ Veteran Resources

This institution is approved to offer GI Bill® educational benefits by the Virginia State Approving Agency.

The Virginia State Approving Agency (SAA), is the approving authority of education and training programs from Virginia. Our Office investigates complaints of GI Bill® beneficiaries. While most complaints should initially follow the school grievance policy, if the situation cannot be resolved at the school, the beneficiary should contact our office via email saa@dvs.virginia.gov.

A student called to active military service will be allowed a reasonable time to complete course requirements missed during short-term absences. A grade of I (Incomplete) will be assigned if an absence extends through the end of the semester. When completion of course requirements is impractical, a student who leaves the college during the period designated for course addition will have no entries on the transcript. After that period, the transcript will have an entry of W (Withdrawn). It is the student's responsibility to notify the Provost and to provide the appropriate military orders.

If no academic credit is received for the period missed, all tuition and fees paid by the student will be applied to the semester during which the student returns in a full-time capacity. Room and board payments will be refunded on a pro-rata basis. It is the student's responsibility to notify the Dean of Students and to provide the appropriate military orders.

**Veterans Benefit Delayed Policy**

Students using Chapter 33 Post 9/11 GI Bill® or Chapter 31 Voc Rehab benefits will be allowed to enroll even though VA has not yet paid tuition and fees to the college by the published payment deadline. These students will not be assessed a late penalty fee. The student must produce the VA's Certificate of Eligibility by the first day of class in order for the tuition amounts to be certified. The VA Certifying Official will notify the Business Office of all students that are eligible for Chapter 33 and Chapter 31 benefits.

For more detailed information on any financial aid program or application procedures, visit the *Costs and Financial Aid* section of the college website (particularly the Financial Aid Handbook under *Resources)* or contact the Financial Aid Office at Emory & Henry. Current or prospective students and their parents are welcome to make an appointment to talk in person with the Financial Aid Staff. Please write the Financial Aid Office, Emory & Henry College, P.O. Box 947, Emory, Virginia 24327-0947; email *ehfinaid@ehc.edu*; or call 276-944-6826.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at http://www.benefits.va.gov/gibill.

# Degrees & Certificates

# Animal Science

## Animal Science

**Degree Type**
Minor

Patricia Graham-Thiers, Program Advisor

### Minor requirements

| Item # | Title | Semester Hours |
|---|---|---|
| ANSC 100 | Introduction to Animal Science | 4.0 |
| ANSC 200 | Domestic Animal Anatomy and Physiology | 4.0 |
| ANSC 300 | Animal Nutrition and Feeding | 4.0 |
| ANSC 301 | Animal Breeding and Genetics | 4.0 |
| | ANSC 400 or ANSC 470 | 3 |
| | Total Credits | 19 |

### ANSC 400 or ANSC 470

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ANSC 400 | Animal Health and Disease | 3.0 |
| ANSC 470 | Animal Science Internship | 2.0-6 |

# Appalachian Studies

## Appalachian Studies

**Degree Type**
Minor

Talmage A. Stanley, Program Advisor

The Appalachian Studies minor is designed to provide students with an understanding of the history, natural resources, culture, politics, economy, and literary and artistic expressions of the region in which they were raised, will work and/or are presently located, and to provide a coherent learning experience through multi-disciplinary studies of a single area.

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 318 | Appalachia | 3.0 |
| | ART 241 or ENVS 225 | 3 |
| | GEOG 311 or GEOG 331 or HIST 316 | 3 |
| ENGL 364 | Studies in Literary Traditions | 3.0 |
| | Total Credits | 12 |

### ART 241 or ENVS 225

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ART 241 | Crafts I | 3.0 |
| ENVS 225 | Sustainable Agriculture in Appalachia | 3.0 |

### GEOG 311 or GEOG 331 or HIST 316

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| GEOG 331 | Geography of US & Canada | 3.0 |
| HIST 316 | Hist & Geog of VA & TN | 3.0 |

# Art

# Mission

The Art department at Emory & Henry University prepares students for a variety of career and graduate school opportunities by educating them to understand and apply the creative process.

# Values

We believe that the connections students find in the study of art create an understanding of historical perspectives, contemporary issues, and relationships inherent in art and life. We aim to provide an intensive study of the visual arts and their histories in which students will use creative problem-solving skills to understand and express visual language. We foster an environment where students can develop their abilities and confidence to conceive and analyze. and understand works of art in a variety of forms.

## Art - Graphic Design

**Degree Type**
B.A.

Objectives: To acquaint students who wish to enter a design field with the necessary foundations in the visual arts and to provide preparation for employment in illustration, photography, and computer image-processing.

Every art major must be featured in a senior one-person exhibition of twelve departmentally approved works.

Students must complete a minor in another discipline or a contextual and support area composed of six courses chosen from two or three supporting disciplines, with the approval of the faculty advisor and the department chair.

| Item # | Title | Semester Hours |
|---|---|---|
| | ART Core Courses | 21 |
| ART 215 | Web Design | 3.0 |
| ART 310 | Graphic Design | 3.0 |
| ART 345 | Printmaking I | 3.0 |
| ART 410 | Advanced Digital Art I | 3.0 |
| | Recommended Internship | 2-6 |
| | Additional Requirements - Art | 3-4 |
| | Total Credits | 38-43 |

### ART Core Courses

**Elective Credits** 21

| Item # | Title | Semester Hours |
|---|---|---|
| ART 111 | Introduction to Art and Design | 3.0 |
| ART 151 | Drawing | 3.0 |
| ART 202 | Professional Arts Engagement I | 1.0 |
| ART 210 | Visual Arts Computing | 3.0 |
| ART 221 | History of Western Art I | 3.0 |
| ART 222 | History of Western Art II | 3.0 |
| ART 255 | Painting I | 3.0 |
| ART 302 | Professional Arts Engagement II | 1.0 |
| ART 401 | Art Seminar I | 0.5 |
| ART 402 | Art Seminar II | 0.5 |

### Recommended Internship

**Elective Credits** 2-6

| Item # | Title | Semester Hours |
|---|---|---|
| ART 470 | Internship I | 2.0-6 |

### Additional Requirements - Art

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 121 | College Algebra | 3.0 |
| MATH 124 | Precalculus | 3.0 |
| MATH 125 | Precalculus Lab | 1.0 |
| MATH 151 | Calculus I | 4.0 |
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

## Art - Studio

**Degree Type**
B.A.

Objectives: To acquaint students with concepts and techniques of the visual arts; to study art as a tool in communication; to provide students with foundation experiences, processes, and necessary skills for effective visual self-expression; and to prepare students for advanced study in art.

Every art major must be featured in a senior one-person exhibition of twelve departmentally approved works. Students planning a graduate program in art should complete Art 321 , Philosophy 333 , and two additional upper-level studio courses selected in consultation with the advisor in painting, photography, printmaking, or digital art.

Students must complete a minor in another discipline or a contextual and support area composed of six courses chosen from two or three supporting disciplines,  the approval of the faculty advisor and the department chair.

| Item # | Title | Semester Hours |
|---|---|---|
| | ART Core Courses | 21 |
| ART 112 | Three-Dimensional Design | 3.0 |
| ART 200 | Figure Drawing | 3.0 |
| | Additional Requirements - Art | 3-4 |

### Art Studio Elective

Two courses from:

| Item # | Title | Semester Hours |
|---|---|---|
| ART 305 | Photography II | 3.0 |
| ART 345 | Printmaking I | 3.0 |
| ART 356 | Painting II | 3.0 |
| | ART 405 or 406 | 3 |
| ART 410 | Advanced Digital Art I | 3.0 |
| | ART 445 OR 446 | 3 |
| | ART 455 OR 456 | 3 |
| | Total Credits | 36-37 |

## ART Core Courses

**Elective Credits** 21

| Item # | Title | Semester Hours |
|---|---|---|
| ART 111 | Introduction to Art and Design | 3.0 |
| ART 151 | Drawing | 3.0 |
| ART 202 | Professional Arts Engagement I | 1.0 |
| ART 210 | Visual Arts Computing | 3.0 |
| ART 221 | History of Western Art I | 3.0 |
| ART 222 | History of Western Art II | 3.0 |
| ART 255 | Painting I | 3.0 |
| ART 302 | Professional Arts Engagement II | 1.0 |
| ART 401 | Art Seminar I | 0.5 |
| ART 402 | Art Seminar II | 0.5 |

## Additional Requirements - Art

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 121 | College Algebra | 3.0 |
| MATH 124 | Precalculus | 3.0 |
| MATH 125 | Precalculus Lab | 1.0 |
| MATH 151 | Calculus I | 4.0 |
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

## ART 405 or 406

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ART 405 | Advanced Photography I | 3.0 |
| ART 406 | Advanced Photography II | 3.0 |

## ART 445 OR 446

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ART 445 | Advanced Printmaking I | 3.0 |
| ART 446 | Advanced Printmaking II | 3.0 |

## ART 455 OR 456

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ART 455 | Advanced Painting/Drawing I | 3.0 |
| ART 456 | Advanced Painting/Drawing II | 3.0 |

# Art - Teacher Preparation

**Degree Type**
B.A.

Objective: To enable students to meet Virginia requirements for licensure to teach art in grades PK-12.

## Departmental Requirements:

Every art major must be featured in a senior one-person exhibition of twelve departmentally approved works.

| Item # | Title | Semester Hours |
|---|---|---|
| | ART Core Courses | 21 |
| ART 112 | Three-Dimensional Design | 3.0 |
| | ART 205 or ART 206 | 3 |
| ART 231 | Ceramics I | 3.0 |
| ART 241 | Crafts I | 3.0 |
| ART 312 | Sculpture | 3.0 |
| ART 345 | Printmaking I | 3.0 |

## Licensure Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 440 | Seminar: Teaching Secondary School | 2.0 |
| EDUC 441 | Supervised Teaching-Secondary School | 10.0 |
| EDUC 445 | Foundations of Education | 3.0 |
| EDUC 449 | Reading & Writing in Content Areas | 3.0 |
| EDUC 450 | Curriculum&instruct in Sec School | 3.0 |
| | HIST 111 or HIST 112 | 3 |
| STAT 161 | Introduction to Statistics | 4.0 |
| | Laboratory Science* | 4 |

## Recommended

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 401 | Practicum in Education | 2.0 |
| | HHP 231 or HHP 232 or HHP 251 | 3 |
| | Total Credits | 47 |

## ART Core Courses

**Elective Credits** 21

| Item # | Title | Semester Hours |
|---|---|---|
| ART 111 | Introduction to Art and Design | 3.0 |
| ART 151 | Drawing | 3.0 |
| ART 202 | Professional Arts Engagement I | 1.0 |
| ART 210 | Visual Arts Computing | 3.0 |
| ART 221 | History of Western Art I | 3.0 |
| ART 222 | History of Western Art II | 3.0 |
| ART 255 | Painting I | 3.0 |
| ART 302 | Professional Arts Engagement II | 1.0 |
| ART 401 | Art Seminar I | 0.5 |
| ART 402 | Art Seminar II | 0.5 |

## ART 205 or ART 206

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ART 205 | Photography I | 3.0 |
| ART 206 | Digital Photography I | 3.0 |

## HIST 111 or HIST 112

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |

## Laboratory Science*

**Elective Credits** 4

Met by completion of the college core Natural Sciences with Laboratory requirement.

## HHP 231 or HHP 232 or HHP 251

**Elective Credits** 3

One course from:

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 231 | Personal Health | 3.0 |

# Art

**Degree Type**

Minor

| Item # | Title | Semester Hours |
|---|---|---|
| ART 111 | Introduction to Art and Design | 3.0 |
| ART 112 | Three-Dimensional Design | 3.0 |
| ART 151 | Drawing | 3.0 |
| ART 221 | History of Western Art I | 3.0 |
| ART 222 | History of Western Art II | 3.0 |
| | ART Minor Elective | 3 |
| | Total Credits | 18 |

## ART Minor Elective

**Elective Credits** 3

One course selected from:

| Item # | Title | Semester Hours |
|---|---|---|
| ART 205 | Photography I | 3.0 |
| ART 210 | Visual Arts Computing | 3.0 |
| ART 231 | Ceramics I | 3.0 |
| ART 241 | Crafts I | 3.0 |
| ART 255 | Painting I | 3.0 |
| ART 305 | Photography II | 3.0 |
| ART 312 | Sculpture | 3.0 |
| ART 345 | Printmaking I | 3.0 |

# Art - Graphic Design

**Degree Type**

Minor

| Item # | Title | Semester Hours |
|---|---|---|
| ART 111 | Introduction to Art and Design | 3.0 |
| ART 151 | Drawing | 3.0 |
| ART 210 | Visual Arts Computing | 3.0 |
| ART 221 | History of Western Art I | 3.0 |
| ART 222 | History of Western Art II | 3.0 |
| ART 310 | Graphic Design | 3.0 |
| | Total Credits | 18 |

# Biology

# Biology

**Degree Type**

B.A.

Objectives: To acquaint students with the basic principles and branches of the biological sciences; to provide preparation for employment in industry, research, conservation, or health-related areas. The senior project is the departmental senior seminar and a departmental oral examination.

| Item # | Title | Semester Hours |
|---|---|---|
| | Biology Core Courses | 34 |
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 111L | General Chemistry Lab | 0.0 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 112L | General Chemistry II Lab | 0.0 |
| CHEM 211 | Organic Chemistry I | 4.0 |
| MATH 151 | Calculus I | 4.0 |
| | Choose 1 Statistics Course | 4 |

## Additional Requirements

Take three additional courses:

Any ENVS or ESCI course, or choose from the following options

| Item # | Title | Semester Hours |
|---|---|---|
| MCOM 262 | Science Communication | 3.0 |
| EXSC 213 | Medical Terminology | 3.0 |
| HSCI 180 | Introduction to Population Health | 3.0 |
| | PHYS 110 or PHYS 201 | 4 |
| | BIOL 120 and 121-this pair counts as one elective | 8-8 |
| | PSYC 101 or 102 | 3-4 |
| | Total Credits | 63-66 |

### Biology Core Courses

**Elective Credits** 34

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 117 | General Biology | 4.0 |
| BIOL 201 | Organismal Biology | 4.0 |
| BIOL 300 | Genetics | 4.0 |
| BIOL 307 | Junior Seminar | 1.0 |
| BIOL 420 | Evolutionary Biology | 4.0 |
| BIOL 450 | Senior Seminar | 1.0 |
| | Cell and Biochemistry Biology | 4 |
| | Organismal Biology | 4 |
| | Structure and Function Biology | 4 |
| | Population and Ecosystem Biology | 4 |

### Choose 1 Statistics Course

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

### PHYS 110 or PHYS 201

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| PHYS 110 | College Physics I | 4.0 |
| PHYS 201 | General Physics I | 4.0 |

### BIOL 120 and 121-this pair counts as one elective

**Elective Credits** 8-8

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 120 | Integrated Human Anatomy and Physiology I | 4.0 |
| BIOL 121 | Integrated Human Anatomy and Physiology II | 4.0 |

### PSYC 101 or 102

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| PSYC 101 | Introduction to Psychology as a Natural Science | 4.0 |
| PSYC 102 | Introduction to Psychology as a Social Science | 3.0 |

## Biology - Teacher Preparation

**Degree Type**
B.A. or B.S.

**Objective**: To enable students to meet Virginia requirements for licensure to teach biology and, under certain circumstances, other related subjects.

| Item # | Title | Semester Hours |
|---|---|---|
| | Biology Core Courses | 34 |
| BIOL 207 | Biological Investigation II | 2.0 |
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 111L | General Chemistry Lab | 0.0 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 112L | General Chemistry II Lab | 0.0 |
| CHEM 211 | Organic Chemistry I | 4.0 |
| CHEM 212 | Organic Chemistry II | 4.0 |
| PHYS 201 | General Physics I | 4.0 |
| PHYS 202 | General Physics II | 4.0 |
| ESCI 111 | Physical Geology | 4.0 |
| ESCI 112 | Historical Geology | 4.0 |
| MATH 151 | Calculus I | 4.0 |
| MATH 152 | Calculus II | 4.0 |
| | Choose 1 Statistics Course | 4 |

## Licensure Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 324 | Assessing for Learning | 3.0 |
| EDUC 351 | Fundamentals Science/Lab Pedagogy | 2.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 440 | Seminar: Teaching Secondary School | 2.0 |
| EDUC 441 | Supervised Teaching-Secondary School | 10.0 |
| EDUC 445 | Foundations of Education | 3.0 |
| EDUC 449 | Reading & Writing in Content Areas | 3.0 |
| EDUC 450 | Curriculum&instruct in Sec School | 3.0 |

## Additional Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | HIST 111 or HIST 112 | 3 |

## Recommended

| Item # | Title | Semester Hours |
|---|---|---|
| | HHP 231 or HHP 232 or HHP 251 | 3 |
| | Total Credits | 122 |

### Biology Core Courses

**Elective Credits** 34

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 117 | General Biology | 4.0 |
| BIOL 201 | Organismal Biology | 4.0 |
| BIOL 300 | Genetics | 4.0 |
| BIOL 307 | Junior Seminar | 1.0 |
| BIOL 420 | Evolutionary Biology | 4.0 |
| BIOL 450 | Senior Seminar | 1.0 |
| | Cell and Biochemistry Biology | 4 |
| | Organismal Biology | 4 |
| | Structure and Function Biology | 4 |
| | Population and Ecosystem Biology | 4 |

### Choose 1 Statistics Course

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

### HIST 111 or HIST 112

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |

### HHP 231 or HHP 232 or HHP 251

**Elective Credits** 3

One course from:

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 231 | Personal Health | 3.0 |

# Biology

**Degree Type**
B.S.

Objectives: To acquaint students with the basic principles and branches of the biological sciences; to provide preparation for graduate study or employment in industry, research, conservation, or health-related areas.

The senior project is the completion and presentation of a comprehensive independent research project and a departmental oral examination.

| Item # | Title | Semester Hours |
|---|---|---|
| | Biology Core Courses | 34 |
| BIOL 207 | Biological Investigation II | 2.0 |
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 111L | General Chemistry Lab | 0.0 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 112L | General Chemistry II Lab | 0.0 |
| CHEM 211 | Organic Chemistry I | 4.0 |
| CHEM 212 | Organic Chemistry II | 4.0 |
| PHYS 201 | General Physics I | 4.0 |
| PHYS 202 | General Physics II | 4.0 |
| MATH 151 | Calculus I | 4.0 |
| MATH 152 | Calculus II | 4.0 |
| | Choose 1 Statistics Course | 4 |
| | Total Credits | 72 |

## Biology Core Courses

**Elective Credits** 34

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 117 | General Biology | 4.0 |
| BIOL 201 | Organismal Biology | 4.0 |
| BIOL 300 | Genetics | 4.0 |
| BIOL 307 | Junior Seminar | 1.0 |
| BIOL 420 | Evolutionary Biology | 4.0 |
| BIOL 450 | Senior Seminar | 1.0 |
| | Cell and Biochemistry Biology | 4 |
| | Organismal Biology | 4 |
| | Structure and Function Biology | 4 |
| | Population and Ecosystem Biology | 4 |

## Choose 1 Statistics Course

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

# Biology

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 117 | General Biology | 4.0 |
| BIOL 201 | Organismal Biology | 4.0 |
| BIOL 300 | Genetics | 4.0 |
| | Two Additional Biology Courses | 8 |
| | Total Credits | 20 |

## Two Additional Biology Courses

**Elective Credits** 8

Must be approved by the department chair.

# Business Administration

## Accounting

**Degree Type**
B.S.

**Objectives:** To prepare students for a career or graduate work in Accounting, and to help qualify them to sit for the Uniform Certified Public Accountant Examination in the Commonwealth of Virginia.

The senior project requirement is met by successful completion of BUAD 449. Students planning graduate study are encouraged to take Mathematics 151.

The B.S. in Accounting degree program will enable a student to meet the educational qualifications in accounting and business courses required to sit for the Uniform CPA Examination in Virginia: 24 hours of accounting courses above the introductory level and 24 hours of business courses. Requirements for other states are provided at www.aicpa.org.

| Item # | Title | Semester Hours |
|---|---|---|
| | Business Administration Core Courses | 37 |
| ACCT 200 | Spreadsheet Applications for Business | 1.0 |
| ACCT 201 | Principles of Accounting I | 3.0 |
| ACCT 202 | Principles of Accounting II | 3.0 |
| ACCT 301 | Intermediate Accounting I | 4.0 |
| ACCT 302 | Intermediate Accounting II | 4.0 |
| ACCT 310 | Income Taxation | 3.0 |
| ACCT 340 | Managerial Cost Accounting | 3.0 |
| ACCT 351 | Ethics and Professional Responsibility | 3.0 |
| ACCT 401 | Advanced Accounting | 3.0 |
| ACCT 409 | Auditing | 3.0 |
| BUAD 204 | Business Law II | 3.0 |
| | Total Credits | 70 |

## Business Administration Core Courses

**Elective Credits** 37

| Item # | Title | Semester Hours |
|---|---|---|
| ACCT 101 | Foundations of Accounting | 3.0 |
| ECON 151 | Principles of Microeconomics | 3.0 |
| ECON 152 | Principles of Macroeconomics | 3.0 |
| BUAD 132 | Data and Decisions | 4.0 |
| BUAD 203 | Business Law I | 3.0 |
| BUAD 215 | Leadership: Leading Innovation and Diversity | 3.0 |
| BUAD 245 | Corporation Finance | 3.0 |
| BUAD 305 | Marketing in a Global Economy | 3.0 |
| BUAD 346 | Innovation and Entrepreneurship | 3.0 |
| BUAD 441 | Production and Operations Management | 3.0 |
| BUAD 451 | Strategic Thinking and Complex Problem Solving | 3.0 |
| BUAD 449 | Management Policy and Strategy | 3.0 |

# Business Administration

**Degree Type**
B.S.

**Objective**: To give students a broadly-based background in business administration leading to employment or graduate study.

| Item # | Title | Semester Hours |
|---|---|---|
| | Business Administration Core Courses | 37 |
| | BUAD Major | 4 |
| | Total Credits | 41 |

## Business Administration Core Courses

**Elective Credits** 37

| Item # | Title | Semester Hours |
|---|---|---|
| ACCT 101 | Foundations of Accounting | 3.0 |
| ECON 151 | Principles of Microeconomics | 3.0 |
| ECON 152 | Principles of Macroeconomics | 3.0 |
| BUAD 132 | Data and Decisions | 4.0 |
| BUAD 203 | Business Law I | 3.0 |
| BUAD 215 | Leadership: Leading Innovation and Diversity | 3.0 |
| BUAD 245 | Corporation Finance | 3.0 |
| BUAD 305 | Marketing in a Global Economy | 3.0 |
| BUAD 346 | Innovation and Entrepreneurship | 3.0 |
| BUAD 441 | Production and Operations Management | 3.0 |
| BUAD 451 | Strategic Thinking and Complex Problem Solving | 3.0 |
| BUAD 449 | Management Policy and Strategy | 3.0 |

## BUAD Major

**Elective Credits** 4

A minimum of four (4) additional credit hours of BUAD courses are required for the major

# Hospitality Management

**Degree Type**
Concentration

# School of Business Concentrations

While a concentration is not required to major in Business Administration or Accounting, the opportunity exists for students at the School of Business to develop a specialty area in Leadership, Entrepreneurship, International Business, or Hospitality Management. To earn a concentration in one of the listed concentration areas, consult the requirements below:

# Objective

The Hospitality Management concentration allows students to explore the professional area of Hospitality Management from the managerial perspective. Courses include topics ranging from cost accounting to tourism, service operations, and marketing. To earn a concentration in Hospitality Management, students must augment their required BUAD or ACCT coursework with hospitality management-focused courses and complete a capstone course project (BUAD 449) on hospitality management.

| Item # | Title | Semester Hours |
|---|---|---|
| ACCT 340 | Managerial Cost Accounting | 3.0 |
| BUAD 132 | Data and Decisions | 4.0 |
| BUAD 376 | Gaming | 3.0 |
| BUAD 377 | Hospitality Management | 3.0 |
| | Total Credits | 13 |

## Innovation and Entrepreneurship

**Degree Type**
Concentration

## School of Business Concentrations

While a concentration is not required to major in Business Administration or Accounting, the opportunity exists for students at the School of Business to develop a specialty area in Leadership, Entrepreneurship, International Business, or Hospitality Management. To earn a concentration in one of the listed concentration areas, consult the requirements below:

## Innovation & Entrepreneurship

A choice of at least 9 credit hours from the following courses is required to satisfy an Innovation & Entrepreneurship Concentration.

| Item # | Title | Semester Hours |
|---|---|---|
| BUAD 204 | Business Law II | 3.0 |
| CVIN 205 | Skills Seminar: Building Collaboratives and Alliances for Innovation | 4.0 |
| CVIN 240 | Research Methods for Innovation | 3.0 |
| CVIN 224 | Skills Seminar: Innovative Leadership | 1.0 |
| CVIN 225 | Skills Seminar: Funding Innovation | 1.0 |
| CVIN 226 | Skills Seminar: Program Development | 1.0 |
| CVIN 350 | Special Topics | 3.0 |
| | Total Credits | 9 |

## International Business

**Degree Type**
Concentration

## School of Business Concentrations

While a concentration is not required to major in Business Administration or Accounting, the opportunity exists for students at the School of Business to develop a specialty area in Leadership, Entrepreneurship, International Business, or Hospitality Management. To earn a concentration in one of the listed concentration areas, consult the requirements below:

| Item # | Title | Semester Hours |
|---|---|---|
| BUAD 204 | Business Law II | 3.0 |
| BUAD 320 | Issues in International Management | 3.0 |
| | Choice of at least 6 credit hours from the following courses: | |
| | Total Credits | 12 |

### Choice of at least 6 credit hours from the following courses:

| Item # | Title | Semester Hours |
|---|---|---|
| POLS 105 | Introduction to International Relations | 3.0 |
| POLS 221 | Writing in Political Science | 3.0 |
| POLS 225 | Comparative Politics in the Middle East & North Africa | 3.0 |
| POLS 245 | Comparative Politics of Asia | 3.0 |
| POLS 255 | Politics of Latin America | 3.0 |
| ECON 322 | International Trade | 3.0 |

## Leadership

**Degree Type**
Concentration

## School of Business Concentrations

While a concentration is not required to major in Business Administration or Accounting, the opportunity exists for students at the School of Business to develop a specialty area in Leadership, Entrepreneurship, International Business, or Hospitality Management. To earn a concentration in one of the listed concentration areas, consult the requirements below:

## Leadership

| Item # | Title | Semester Hours |
|---|---|---|
| BUAD 399 | Organizational Leadership | 3.0 |
| BUAD 204 | Business Law II | 3.0 |
| | Choice of at least 3 credit hours from the following courses: | 3 |
| | Total Credits | 9 |

### Choice of at least 3 credit hours from the following courses:

**Elective Credits** 3

### CVIN 200, CVIN 224-226, CVIN 300, HHP 336

| Item # | Title | Semester Hours |
|---|---|---|
| CVIN 200 | Public Movements, Social and Cultural Change | 3.0 |
| CVIN 224 | Skills Seminar: Innovative Leadership | 1.0 |
| CVIN 225 | Skills Seminar: Funding Innovation | 1.0 |
| CVIN 226 | Skills Seminar: Program Development | 1.0 |
| HHP 336 | Leadership in Sports & Society | 3.0 |

## Accounting

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| ACCT 201 | Principles of Accounting I | 3.0 |
| ACCT 202 | Principles of Accounting II | 3.0 |
| | Choose 4 Courses | 12 |
| | Total Credits | 18 |

### Choose 4 Courses

**Elective Credits** 12

| Item # | Title | Semester Hours |
|---|---|---|
| ACCT 301 | Intermediate Accounting I | 4.0 |
| ACCT 302 | Intermediate Accounting II | 4.0 |
| ACCT 310 | Income Taxation | 3.0 |
| ACCT 401 | Advanced Accounting | 3.0 |
| ACCT 409 | Auditing | 3.0 |
| BUAD 245 | Corporation Finance | 3.0 |

## Business Administration

**Degree Type**
Minor

A student majoring in a discipline other than accounting may minor in business administration.

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 151 | Principles of Microeconomics | 3.0 |
| ACCT 101 | Foundations of Accounting | 3.0 |
| BUAD 245 | Corporation Finance | 3.0 |
| | BUAD Minor | 9 |
| | Total Credits | 18 |

### BUAD Minor

**Elective Credits** 9

Choose three courses.

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 152 | Principles of Macroeconomics | 3.0 |
| BUAD 203 | Business Law I | 3.0 |
| BUAD 215 | Leadership: Leading Innovation and Diversity | 3.0 |
| BUAD 320 | Issues in International Management | 3.0 |
| BUAD 346 | Innovation and Entrepreneurship | 3.0 |
| BUAD 441 | Production and Operations Management | 3.0 |

# Center for Outdoor Studies

# Applied Risk Management and Backcountry Leadership (Concentration)

In a synthesis of traditional classroom and experiential learning, this program provides students with the core knowledge and skills to lead backcountry trips. Students in the program will gain an understanding of risk assessment, decision making, minimizing impact, problem solving, and group management within the contexts of backpacking, whitewater paddling, and rock climbing. As such, excursions to local rivers, trails, and climbing areas play a significant role in the overall program. Throughout the program's coursework, students will explore relevant issues associated with adventure-based recreation, receive feedback, and reflect as they work to integrate the technical, interpersonal, and judgment skills vital to successful, caring backcountry leadership. (16-18 total credits)

**Required Courses:** CFOS 100: Foundations of Risk Management and Backcountry Leadership (3 credits); CFOS 200 Intro to Adventure Sports (3 credits); two courses chosen from CFOS 301 Long Distance Hiking, CFOS 302 Intermediate Whitewater Paddling, and CFOS Intermediate Rock Craft (6 credits); CFOS 400 provides the Capstone Experience in Applied Risk Management and Leadership (3 credits). (15 credits)
**Additional Requirement**: Students in the Program are required to complete a wilderness first aid or responder certification (1-3 credits).

## Applied Risk Management and Backcountry Leadership

**Degree Type**
Concentration

## Applied Risk Management and Backcountry Leadership Concentration

In a synthesis of traditional classroom and experiential learning, this program provides students with the core knowledge and skills to lead backcountry trips. Students in the program will gain an understanding of risk assessment, decision-making, minimizing impact, problem-solving, and caring backcountry leadership. As field-based training and experience are crucial in gaining a mastery of the requisite skills associated with backpacking, whitewater paddling, and rock craft, excursions to local rivers, trails, and climbing areas play a significant role in the program. Throughout the coursework, students will research, train, receive feedback, and reflect as they work to integrate the technical, interpersonal, and judgment skills vital to successful backcountry leadership.

| Item # | Title | Semester Hours |
|---|---|---|
| CFOS 100 | Foundations of Backcountry Leadership and Risk Management | 3.0 |
| CFOS 200 | Introduction to Adventure Sports | 3.0 |
| | CFOS Electives (Choose Two) | 6 |
| CFOS 400 | Capstone in Applied Risk Management and Backcountry Leadership | 3.0 |
| | Total Credits | 15 |

### CFOS Electives (Choose Two)

**Elective Credits** 6

Two Courses Chosen from CFOS 301 (Long Distance Hiking), CFOS 302 (Intermediate Whitewater Paddling), and CFOS 303 (Intermediate Rock Craft).

| Item # | Title | Semester Hours |
|---|---|---|
| CFOS 301 | Long-Distance Backpacking | 4.0 |
| CFOS 302 | Intermediate Whitewater Paddling | 3.0 |
| CFOS 303 | Intermediate Rock Craft | 3.0 |

# Chemistry

The program is a four-year sequence of courses in the Chemistry and Teacher Preparation tracks, or a three-year sequence at Emory & Henry followed by courses at a school of pharmacy in the Applied Health Sciences track. To prevent scheduling problems, first-year students are encouraged to consult with members of the department for a recommended four-year academic plan. Some courses in the contextual and support areas also should be scheduled at certain times.

## Chemistry

**Degree Type**
B.A.

Objective: To prepare students to work as chemists in industry or as teachers.

The senior project is completed by taking 450.

Satisfactory performance on departmental assessments exams is also required.

| Item # | Title | Semester Hours |
|---|---|---|
| | Chemistry - Core Courses | 17 |
| | Choose Five Courses | 15-19 |
| CHEM 450 | Senior Seminar | 1.0 |
| MATH 151 | Calculus I | 4.0 |
| | MATH 152 or STAT 161 | 4-4 |
| | Total Credits | 41-45 |

### Chemistry - Core Courses

**Elective Credits** 17

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 111L | General Chemistry Lab | 0.0 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 112L | General Chemistry II Lab | 0.0 |
| CHEM 211 | Organic Chemistry I | 4.0 |
| CHEM 212 | Organic Chemistry II | 4.0 |
| CHEM 351 | Junior Seminar | 1.0 |

### Choose Five Courses

**Elective Credits** 15-19

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 221 | Analytical Chemistry | 4.0 |
| CHEM 230 | Introduction to Inorganic Chemistry | 3.0 |
| CHEM 240 | Introduction to Biochemistry | 3.0 |
| CHEM 312 | Physical Chemistry I | 3.0 |
| CHEM 313 | Physical Chemistry II | 3.0 |
| CHEM 320 | Materials Science | 3.0 |
| CHEM 330 | Advanced Laboratory | 4.0 |
| CHEM 350 | Special Topics | 4.0 |
| CHEM 422 | Instrumental Analysis | 3.0 |
| CHEM 430 | Biochemistry | 4.0 |
| CHEM 433 | Advanced Organic Chemistry | 3.0 |

## MATH 152 or STAT 161

**Elective Credits** 4-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 152 | Calculus II | 4.0 |
| STAT 161 | Introduction to Statistics | 4.0 |

# Chemistry - Applied Health Sciences

**Degree Type**
B.A.

Objective: To prepare students for admission to pharmacy programs and careers in pharmacy.

Students must apply for admission to this track. See the Chemistry Department Chair for more information.

Because this program is demanding and accelerated, students are required to maintain a GPA of 3.3 at the end of each academic year.

Satisfactory performance on departmental assessment exams given in the final semester is also required.

| Item # | Title | Semester Hours |
|---|---|---|
| | Chemistry - Core Courses | 17 |
| | Courses taken at a recognized school of pharmacy in consultations with the Department of Chemistry | 13 |
| CHEM 450 | Senior Seminar | 1.0 |
| | CHEM 221, 230, 312, 313, 320, 330, 350, 422, 430X, or 433. | 9-12 |
| MATH 151 | Calculus I | 4.0 |
| PHYS 201 | General Physics I | 4.0 |

## Courses Required for Admission to a School of Pharmacy

| Item # | Title | Semester Hours |
|---|---|---|
| | One 200-Level English Course | 3 |
| BIOL 201 | Organismal Biology | 4.0 |
| BIOL 332 | Microbiology and Immunology | 4.0 |
| STAT 161 | Introduction to Statistics | 4.0 |
| | Total Credits | 51-54 |

## Chemistry - Core Courses

**Elective Credits** 17

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 111L | General Chemistry Lab | 0.0 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 112L | General Chemistry II Lab | 0.0 |
| CHEM 211 | Organic Chemistry I | 4.0 |
| CHEM 212 | Organic Chemistry II | 4.0 |
| CHEM 351 | Junior Seminar | 1.0 |

## Courses taken at a recognized school of pharmacy in consultations with the Department of Chemistry

**Elective Credits** 13

## CHEM 221, 230, 312, 313, 320, 330, 350, 422, 430X, or 433.

**Elective Credits** 9-12

## Choose Three Courses

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 221 | Analytical Chemistry | 4.0 |
| CHEM 312 | Physical Chemistry I | 3.0 |
| CHEM 313 | Physical Chemistry II | 3.0 |
| CHEM 320 | Materials Science | 3.0 |
| CHEM 350 | Special Topics | 4.0 |
| CHEM 422 | Instrumental Analysis | 3.0 |
| CHEM 430 | Biochemistry | 4.0 |
| CHEM 433 | Advanced Organic Chemistry | 3.0 |

## One 200-Level English Course

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 200 | Reading & Writing About Literature | 3.0 |
| ENGL 231 | Introduction to Poetry | 3.0 |
| ENGL 232 | Introduction to Short Fiction | 3.0 |
| ENGL 233 | Introduction to Drama | 3.0 |

# Chemistry - Teacher Preparation

**Degree Type**
B.A. or B.S.

**Objective:** To enable students to meet Virginia requirements for licensure to teach chemistry.

**Departmental requirements**: Except for the senior project and the support courses, teacher preparation students should complete the above requirements for the B.S. degree or the B.A. degree. Satisfactory performance on departmental assessment exams is also required. The B.A. or B.S. degree must include Chemistry 221, Chemistry 230, Chemistry 240 or 430X), Chemistry 312, Chemistry 330, and all prerequisites. Teacher preparation students must also complete ESCI 111.

## Licensure Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 324 | Assessing for Learning | 3.0 |
| EDUC 351 | Fundamentals Science/Lab Pedagogy | 2.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 440 | Seminar: Teaching Secondary School | 2.0 |
| EDUC 441 | Supervised Teaching-Secondary School | 10.0 |
| EDUC 445 | Foundations of Education | 3.0 |
| EDUC 449 | Reading & Writing in Content Areas | 3.0 |
| EDUC 450 | Curriculum&instruct in Sec School | 3.0 |
| ESCI 111 | Physical Geology | 4.0 |
| | HIST 111 or HIST 112 | 3 |
| PHYS 201 | General Physics I | 4.0 |

## Recommended

| Item # | Title | Semester Hours |
|---|---|---|
| | HHP 231 or HHP 232 or HHP 251 | 3 |
| | Total Credits | 50 |

### HIST 111 or HIST 112

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |

### HHP 231 or HHP 232 or HHP 251

**Elective Credits** 3

One course from:

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 231 | Personal Health | 3.0 |

# Chemistry

**Degree Type**
B.S.

Objective: To prepare students for graduate study related to chemistry or the health/medical professions and also for employment in various areas of chemistry.

The senior project is completed by taking 450.

Satisfactory performance on departmental assessment exams is also required.

Students planning advanced study in chemistry should elect to take Physics 311 and other courses in consultation with the faculty advisor.

Students planning advanced study in health fields should elect to take Biology 117, 210 or 211, and other courses in consultation with the faculty advisor.

| Item # | Title | Semester Hours |
|---|---|---|
| | Chemistry - Core Courses | 17 |
| CHEM 221 | Analytical Chemistry | 4.0 |
| CHEM 230 | Introduction to Inorganic Chemistry | 3.0 |
| | CHEM 240 or CHEM 430X | 3 |
| CHEM 312 | Physical Chemistry I | 3.0 |
| CHEM 313 | Physical Chemistry II | 3.0 |
| CHEM 330 | Advanced Laboratory | 4.0 |
| CHEM 450 | Senior Seminar | 1.0 |
| | CHEM 460 or CHEM 490 | 1-4 |

## Two courses from:

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 320 | Materials Science | 3.0 |
| CHEM 350 | Special Topics | 4.0 |
| CHEM 422 | Instrumental Analysis | 3.0 |
| CHEM 433 | Advanced Organic Chemistry | 3.0 |

## Contextual & Support Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 151 | Calculus I | 4.0 |
| MATH 152 | Calculus II | 4.0 |
| | MATH 253 or STAT 161 | 4 |
| PHYS 201 | General Physics I | 4.0 |
| PHYS 202 | General Physics II | 4.0 |
| | Total Credits | 65-70 |

### Chemistry - Core Courses

**Elective Credits** 17

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 111L | General Chemistry Lab | 0.0 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 112L | General Chemistry II Lab | 0.0 |
| CHEM 211 | Organic Chemistry I | 4.0 |
| CHEM 212 | Organic Chemistry II | 4.0 |
| CHEM 351 | Junior Seminar | 1.0 |

### CHEM 240 or CHEM 430X

**Elective Credits** 3

### Choose One

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 240 | Introduction to Biochemistry | 3.0 |
| CHEM 430 | Biochemistry | 4.0 |

### CHEM 460 or CHEM 490

**Elective Credits** 1-4

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 460 | Independent Study | 4.0 |
| CHEM 490 | Honor Project | 3.0 |

### MATH 253 or STAT 161

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 253 | Calculus III | 4.0 |
| STAT 161 | Introduction to Statistics | 4.0 |

## Chemistry

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 111L | General Chemistry Lab | 0.0 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 112L | General Chemistry II Lab | 0.0 |

### Four Courses Chosen From:

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 211 | Organic Chemistry I | 4.0 |
| CHEM 212 | Organic Chemistry II | 4.0 |
| CHEM 221 | Analytical Chemistry | 4.0 |
| CHEM 230 | Introduction to Inorganic Chemistry | 3.0 |
| CHEM 240 | Introduction to Biochemistry | 3.0 |
| CHEM 312 | Physical Chemistry I | 3.0 |
| CHEM 313 | Physical Chemistry II | 3.0 |
| CHEM 320 | Materials Science | 3.0 |
| CHEM 422 | Instrumental Analysis | 3.0 |
| CHEM 430 | Biochemistry | 4.0 |
| CHEM 433 | Advanced Organic Chemistry | 3.0 |
| | Total Credits | 20-24 |

# Civic Innovation

## Civic Innovation

**Degree Type**
B.A.

Objectives: To prepare graduates to understand the innovation process, to have the skills, knowledge, and attributes to be innovative problem solvers, to organize, lead, and coordinate civic initiatives, and to help forge creative alliances of persons and organizations to meet community needs and achieve outcomes that serve the common good. Students will work to actively solve, community-identified, problems and achieve meaningful outcomes for people and places.

In collaboration with their advisor, students chart a course of study that provides skills that they can apply in the public and private sectors or in post-graduate study. Throughout the curriculum, students build and maintain a results portfolio, presenting this at points in their study, culminating in the senior capstone presentation.

Situated at the intersection of academic knowledge, vocational exploration, and a commitment to the common good, Civic Innovation provides an understanding of the interdisciplinary nature of public life and issues, including the dynamic interplay of the natural environment, the built environment, and human culture and history in places and the role of that interplay in developing innovative solutions to civic issues and problems.

| Item # | Title | Semester Hours |
|---|---|---|
| CVIN 100 | Introduction to Civic Innovation | 4.0 |
| CVIN 120 | Applied Civic Arts I | 3.0 |
| CVIN 205 | Skills Seminar: Building Collaboratives and Alliances for Innovation | 4.0 |
| CVIN 220 | Applied Civic Arts II | 3.0 |
| CVIN 240 | Research Methods for Innovation | 3.0 |
| CVIN 345 | Community Development | 4.0 |
| | CVIN 200 or CVIN 255 or CVIN 260 | 3 |
| CVIN 400 | Senior Project | 6.0 |
| CVIN 450 | Capstone Seminar and Thesis | 3.0 |
| | Civic Innovation Area Selection | 3-4 |
| | Total Credits | 36-37 |

### CVIN 200 or CVIN 255 or CVIN 260

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| CVIN 200 | Public Movements, Social and Cultural Change | 3.0 |
| CVIN 255 | Place and the Built Environment - NYC | 3.0 |
| CVIN 260 | Ireland | 3.0 |

### Civic Innovation Area Selection

**Elective Credits** 3-4

One course from Place, Politics and Policy area ***OR*** one course from Diversity Studies area

### Place, Politics, and Policy Area

| Item # | Title | Semester Hours |
|---|---|---|
| CVIN 312 | Politics and Public Policy | 3.0 |
| ECON 262 | Environmental and Natural Resource Economics | 3.0 |
| POLS 202 | State & Local Govt in US | 3.0 |
| POLS 310 | Parties and Elections in American Politics | 3.0 |
| CVIN 330 | Religion and American Public Life | 3.0 |

### Diversity Studies Area

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 309 | Studies in U.S. Women's History | 3.0 |
| MCOM 250 | Women and Media | 3.0 |
| SOCI 270 | Race and Ethnicity | 3.0 |
| CVIN 305 | Digital Media and Civic Life | 3.0 |

## Civic Innovation

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| CVIN 100 | Introduction to Civic Innovation | 4.0 |
| | Civic Innovation Area Selection | 3-4 |
| | Civic Innovation Skills Seminars | 8 |
| | Total Credits | 15-16 |

### Civic Innovation Area Selection

**Elective Credits** 3-4

One course from Place, Politics and Policy area ***OR*** one course from Diversity Studies area

### Place, Politics, and Policy Area

| Item # | Title | Semester Hours |
|---|---|---|
| CVIN 312 | Politics and Public Policy | 3.0 |
| ECON 262 | Environmental and Natural Resource Economics | 3.0 |
| POLS 202 | State & Local Govt in US | 3.0 |
| POLS 310 | Parties and Elections in American Politics | 3.0 |
| CVIN 330 | Religion and American Public Life | 3.0 |

### Diversity Studies Area

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 309 | Studies in U.S. Women's History | 3.0 |
| MCOM 250 | Women and Media | 3.0 |
| SOCI 270 | Race and Ethnicity | 3.0 |
| CVIN 305 | Digital Media and Civic Life | 3.0 |

### Civic Innovation Skills Seminars

**Elective Credits** 8

Chosen in consultation with program chair and advisor.

# Computer Science

The Bachelor of Science in Computer Science will produce high-quality graduates who will be among the top professionals and researchers in the computing field, and who will be outstanding contributors in enhancing the quality of life for future generations. Our vision will be to provide graduates with the capacity to become creative engineers focusing on the development of computing solutions to address the needs of the 21st century.

## Computer Science

**Degree Type**
B.S.

## Required Computer Science Courses

| Item # | Title | Semester Hours |
|---|---|---|
| CSC 100 | Introduction to Computing | 3.0 |
| CSC 100L | Introduction to Computing Lab | 1.0 |
| CSC 110 | Computer Programming I | 3.0 |
| CSC 110L | Computer Programming I Lab | 1.0 |
| CSC 111 | Computer Programming II | 3.0 |
| CSC 111L | Computer Programming II | 1.0 |
| CSC 220 | Data Structures | 3.0 |
| CSC 310 | Database Systems | 3.0 |
| CSC 320 | Programming Languages | 3.0 |
| CSC 325 | Analysis of Algorithms | 3.0 |
| CSC 375 | Computer Organization | 3.0 |
| CSC 385 | Theory of Computing | 3.0 |
| CSC 390 | Professional Ethics in Computer Science | 3.0 |
| CSC 410 | Software Engineering | 3.0 |
| CSC 422 | Internet Systems | 3.0 |
| CSC 450 | Operating Systems | 3.0 |
| CSC 465 | Artificial Intelligence and Machine Learning | 3.0 |
| CSC 469 | Concurrent and Parallel Programming | 3.0 |
| CSC 476 | Networked Computer Systems | 3.0 |
| CSC 495 | Capstone Computer Science Project | 3.0 |

## Required Contextual and Support

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 151 | Calculus I | 4.0 |
| MATH 152 | Calculus II | 4.0 |
| MATH 360 | Probability & Statistics | 3.0 |
| MATH 370 | Discrete Structures | 3.0 |

## Required- Two sequence Natural Science courses (Choose One)

| Item # | Title | Semester Hours |
|---|---|---|
| | CHEM 111 and CHEM 112 | 8 |
| | BIOL 117 and BIOL 201 | 8 |
| | PHYS 201 and PHYS 202 | 8 |
| | EGSC 110 and EGSC 120 | 8 |
| | Total Credits | 76 |

### CHEM 111 and CHEM 112

**Elective Credits** 8

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 112 | General Chemistry II | 4.0 |

### BIOL 117 and BIOL 201

**Elective Credits** 8

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 117 | General Biology | 4.0 |
| BIOL 201 | Organismal Biology | 4.0 |

### PHYS 201 and PHYS 202

**Elective Credits** 8

| Item # | Title | Semester Hours |
|---|---|---|
| PHYS 201 | General Physics I | 4.0 |
| PHYS 202 | General Physics II | 4.0 |

### EGSC 110 and EGSC 120

**Elective Credits** 8

| Item # | Title | Semester Hours |
|---|---|---|
| EGSC 110 | Introduction to Engineering Science I | 4.0 |
| EGSC 120 | Introduction to Engineering Science II | 4.0 |

## Computer Science

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| CSC 100 | Introduction to Computing | 3.0 |
| CSC 100L | Introduction to Computing Lab | 1.0 |
| CSC 110 | Computer Programming I | 3.0 |
| CSC 110L | Computer Programming I Lab | 1.0 |
| CSC 111 | Computer Programming II | 3.0 |
| CSC 111L | Computer Programming II | 1.0 |
| CSC 220 | Data Structures | 3.0 |
| | Any two 3 credit courses at the 200 level or above | 6 |
| | Total Credits | 21 |

### Any two 3 credit courses at the 200 level or above

**Elective Credits** 6

| Item # | Title | Semester Hours |
|---|---|---|
| CSC 310 | Database Systems | 3.0 |
| CSC 320 | Programming Languages | 3.0 |
| CSC 325 | Analysis of Algorithms | 3.0 |
| CSC 375 | Computer Organization | 3.0 |
| CSC 385 | Theory of Computing | 3.0 |
| CSC 390 | Professional Ethics in Computer Science | 3.0 |

# Economics

## Economics

**Degree Type**
B.A.

**Objective:** To give a broad background in economic theory and policy, preparing students to better understand human behavior and the events which shape their lives; to prepare students for graduate study in economics, law, and public policy, and for work in government and industry.

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 151 | Principles of Microeconomics | 3.0 |
| ECON 152 | Principles of Macroeconomics | 3.0 |
| | Choose 1 Statistics Course | 4 |
| ECON 252 | Applied Intermediate Theory | 4.0 |
| SOSS 200 | Introduction Research Methods | 4.0 |
| | SOSS 301 or SOSS 302 | 4 |
| | 4 Courses from ECON 220X, 225, 231, 260, 262, 313, 321, 322, 330, 332, or 350 | 12 |
| | 1 Course from SOSS 450, ECON 450, ECON 460, or ECON 470 | 3-4 |

## Recommended for Graduate School

MATH 151, MATH 152, MATH 253, MATH 321

## Students also select a minor or second major in another discipline.

| | | |
|---|---|---|
| | Total Credits | 55-58 |

### Choose 1 Statistics Course

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

### SOSS 301 or SOSS 302

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| SOSS 301 | Qualitative Research Methods | 4.0 |
| SOSS 302 | Quantitative Research Methods | 4.0 |

### 4 Courses from ECON 220X, 225, 231, 260, 262, 313, 321, 322, 330, 332, or 350

**Elective Credits** 12

*Students who have a double major only need to select three courses from this list.

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 220 | Economic History of the U.S. | 3.0 |
| ECON 225 | History of Economic Thought | 3.0 |
| ECON 231 | Public Finance | 3.0 |
| ECON 260 | Law and Economics | 3.0 |
| ECON 262 | Environmental and Natural Resource Economics | 3.0 |
| ECON 313 | Economics of Growth and Development | 3.0 |
| ECON 321 | Money and Banking | 3.0 |
| ECON 322 | International Trade | 3.0 |
| ECON 330 | Labor Economics | 3.0 |
| ECON 332 | Organization and Regulation of Industry | 3.0 |
| ECON 350 | Special Topics | 3.0 |

### 1 Course from SOSS 450, ECON 450, ECON 460, or ECON 470

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| SOSS 450 | Advanced Project I | 1.0-3 |
| ECON 450 | Seminar | 3.0 |
| ECON 460 | Independent Study | 4.0 |
| ECON 470 | Internship I | 2.0-6 |

## Economics

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 151 | Principles of Microeconomics | 3.0 |
| ECON 152 | Principles of Macroeconomics | 3.0 |
| ECON 252 | Applied Intermediate Theory | 4.0 |
| | Two courses from: ECON 220X, 231, 260, 262, 313, 321, 322, 330, 332, or 350 | 6 |
| | Total Credits | 16 |

### Two courses from: ECON 220X, 231, 260, 262, 313, 321, 322, 330, 332, or 350

**Elective Credits** 6

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 220 | Economic History of the U.S. | 3.0 |
| ECON 231 | Public Finance | 3.0 |
| ECON 260 | Law and Economics | 3.0 |
| ECON 262 | Environmental and Natural Resource Economics | 3.0 |
| ECON 313 | Economics of Growth and Development | 3.0 |
| ECON 321 | Money and Banking | 3.0 |
| ECON 322 | International Trade | 3.0 |
| ECON 330 | Labor Economics | 3.0 |
| ECON 332 | Organization and Regulation of Industry | 3.0 |
| ECON 350 | Special Topics | 3.0 |

# Engineering

## Engineering Science

**Degree Type**
B.S.

Engineering sciences are based on mathematics and basic sciences but carry knowledge further toward creative application needed to solve engineering problems. These studies provide a bridge between mathematics and basic sciences on the one hand and engineering practice on the other.

## Objectives

1. To provide students the broad-based foundational science courses and breadth of experience necessary to tackle complicated engineering problems.
2. To allow students to consider how a solution may affect all people and to communicate the plans effectively while being receptive to input from clients and constituents.
3. To allow students to explore the synergy between the physical and/or life sciences and engineering analysis and design, leading to the solution of problems often of an interdisciplinary nature.

## Admission Requirements

Entering students will be required to test at the level of MATH 121 College Algebra or higher to be enrolled in EGSC 110. Students unable to test at the level of MATH 121 will have to be informed that completing their degree will likely take more than 4 years and might require summer courses. To ensure success, all students will have to meet the following benchmarks in math and science courses before they are allowed to declare the major:

- A minimum grade of C+ in all mathematics and science courses taken at Emory & Henry
- An overall GP A of 2.5 or better by the end of the first year, and
- A minimum of two advising sessions with the program director or a designated engineering science faculty member.
- Additionally, students will be required to maintain a minimum GPA of 2.3 in the major course requirements each year until graduation.

Transfer students will be required to take EGSC 110 and 120 unless they bring credit for equivalent courses (equivalency to be determined by the Registrar and the program director). Students admitted for the spring semester will not be placed in EGSC 120 but will start the introductory sequence the following fall.

## Graduation Requirements

Completion of a minimum of 124 credit hours including all required core and general education; foundational and additional; and major courses. Minimum overall cumulative GPA of 2.3 for all required core engineering courses. Successful completion of all required core engineering and foundational courses, as well as the additional and core and general education requirements.

| Item # | Title | Semester Hours |
|---|---|---|
| EGSC 120 | Introduction to Engineering Science II | 4.0 |
| | EGSC 210 or EGSC 211 | 2 |
| EGSC 231 | Statics and Mechanics of Materials | 4.0 |
| EGSC 320 | Materials Science | 4.0 |
| EGSC 322 | Dynamics | 4.0 |
| EGSC 361 | Electronics Instrumentation | 4.0 |
| EGSC 430 | Engineering Thermodynamics | 3.0 |
| EGSC 498 | Capstone Engineering Project Design | 1.0 |
| EGSC 499 | Capstone Engineering Project | 3.0 |
| EGSC 470 | Internship I | 2.0 |

## Two Courses From:

| Item # | Title | Semester Hours |
|---|---|---|
| EGSC 230 | Materials Chemsitry | 3.0 |
| EGSC 300 | Genetic Engineering - Genetics | 4.0 |
| EGSC 310 | Fundamental of Engineering Project Management | 3.0 |
| EGSC 330 | Controls and Systems | 4.0 |
| EGSC 350 | Special Topics in Engineering | 3.0-4 |
| EGSC 410 | Introduction to Nanotechnology | 3.0 |
| EGSC 420 | Mechanical Properties of Materials | 3.0 |
| EGSC 441 | Genetic Engineering - Cellular and Molecular Biology | 4.0 |
| CHEM 422 | Instrumental Analysis | 3.0 |
| ENVS 200 | Environmental Monitoring | 4.0 |

## Foundational Courses

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 111L | General Chemistry Lab | 0.0 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 112L | General Chemistry II Lab | 0.0 |
| CHEM 312 | Physical Chemistry I | 3.0 |
| MATH 151 | Calculus I | 4.0 |
| MATH 152 | Calculus II | 4.0 |
| MATH 253 | Calculus III | 4.0 |
|  | MATH 353 or PHYS 355 | 3-4 |
| PHYS 201 | General Physics I | 4.0 |
| PHYS 202 | General Physics II | 4.0 |

## Additional Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| MCOM 262 | Science Communication | 3.0 |
| PHIL 201 | Ethics | 3.0 |
|  | One Computer Programming or Scientific Computing Course | 3 |

## Two Courses From:

| Item # | Title | Semester Hours |
|---|---|---|
| PHIL 224 | Environmental Ethics | 3.0 |
| SOCI 230 | Environmental Sociology | 3.0 |
| ECON 313 | Economics of Growth and Development | 3.0 |
|  | Total Credits | 86-89 |

### EGSC 210 or EGSC 211

**Elective Credits** 2

### MATH 353 or PHYS 355

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 353 | Differential Equations | 3.0 |
| PHYS 355 | Mathematical Methods for Physical Science I | 4.0 |

### One Computer Programming or Scientific Computing Course

**Elective Credits** 3

# English

## English - Literature

**Degree Type**
B.A.

Objectives: To provide depth and breadth in the study of literature as a foundation for advanced study or for career objectives in literature, teaching, information services, mass communication, theatre, publishing, law, business, theology, and other fields.

The senior project is met by 450.

Students may elect a minor in another discipline or they may design an individualized minor with the approval of the major advisor, faculty members from the disciplinary areas related to the minor, and the Provost.

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 200 | Reading & Writing About Literature | 3.0 |
| ENGL 250 | Major British Writers I | 3.0 |
|  | ENGL 251 or ENGL 252 | 3 |
|  | ENGL 255 or ENGL 256 | 3 |
| ENGL 332 | Critical Perspectives in Lit | 3.0 |
| ENGL 360 | Shakespeare | 3.0 |
| ENGL 364 | Studies in Literary Traditions | 3.0 |
| ENGL 450 | Senior Seminar | 3.0 |
|  | RELG 111 or RELG 131 or RELG 132 | 3 |
|  | Any MATH course beyond 099 or any Statistics course | 3-4 |
|  | Total Credits | 30-31 |

### ENGL 251 or ENGL 252

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 251 | Major British Writers II | 3.0 |
| ENGL 252 | Major British Writers III | 3.0 |

## ENGL 255 or ENGL 256

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 255 | Major US Writers I | 3.0 |
| ENGL 256 | Major US Writers II | 3.0 |

## RELG 111 or RELG 131 or RELG 132

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 111 | Global Religious Landscapes | 3.0 |
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |

## Any MATH course beyond 099 or any Statistics course

**Elective Credits** 3-4

# English - Literature and Creative Writing

**Degree Type**
B.A.

Objectives: To provide depth and breadth in the study of literature; to develop skills in writing creatively; and to prepare students for advanced study in creative writing for related careers.

The senior project is met by 450.

Students may elect a minor in another discipline or they may design an individualized minor with the approval of the major advisor, faculty members from the disciplinary areas related to the minor, and the Provost.

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 200 | Reading & Writing About Literature | 3.0 |
| ENGL 250 | Major British Writers I | 3.0 |
| ENGL 450 | Senior Seminar | 3.0 |
| | ENGL 251 or ENGL 252 | 3 |
| | ENGL 255 or ENGL 256 | 3 |
| | Two Courses from ENGL 230, ENGL 231, ENGL 232, ENGL 233, and ENGL 234 | 6 |
| | Two Courses from ENGL 322, ENGL 323, and ENGL 326 | 6 |
| | RELG 111 or RELG 131 or RELG 132 | 3 |
| | Any MATH course beyond 099 or any Statistics course | 3-4 |
| | Total Credits | 33-34 |

## ENGL 251 or ENGL 252

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 252 | Major British Writers III | 3.0 |
| ENGL 251 | Major British Writers II | 3.0 |

## ENGL 255 or ENGL 256

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 255 | Major US Writers I | 3.0 |
| ENGL 256 | Major US Writers II | 3.0 |

## Two Courses from ENGL 230, ENGL 231, ENGL 232, ENGL 233, and ENGL 234

**Elective Credits** 6

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 230 | Introduction to Creative Writing | 3.0 |
| ENGL 231 | Introduction to Poetry | 3.0 |
| ENGL 232 | Introduction to Short Fiction | 3.0 |
| ENGL 233 | Introduction to Drama | 3.0 |
| ENGL 234 | Introduction to Film | 3.0 |

## Two Courses from ENGL 322, ENGL 323, and ENGL 326

**Elective Credits** 6

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 322 | Writing Poetry | 3.0 |
| ENGL 323 | Writing Prose Fiction | 3.0 |
| ENGL 326 | Creative Nonfiction Workshop | 3.0 |

## RELG 111 or RELG 131 or RELG 132

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 111 | Global Religious Landscapes | 3.0 |
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |

## Any MATH course beyond 099 or any Statistics course

**Elective Credits** 3-4

# English - Pre-Professional English 1: Publishing

**Degree Type**
B.A.

**Objectives:** To prepare students for employment or graduate study in Publishing (specifically Administration, Editorial, Managing Editorial, Marketing, and Production), by combining an in-depth knowledge of English literature, advanced writing and proofreading skills, and the knowledge of related business and computer technology that are required to enter the field.

The senior project is met by 450.

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 200 | Reading & Writing About Literature | 3.0 |
| ENGL 250 | Major British Writers I | 3.0 |
| | ENGL 251 or ENGL 252 | 3 |
| | ENGL 255 or ENGL 256 | 3 |
| ENGL 332 | Critical Perspectives in Lit | 3.0 |
| | ENGL 360 or ENGL 362 | 3 |
| ENGL 364 | Studies in Literary Traditions | 3.0 |
| ENGL 450 | Senior Seminar | 3.0 |
| | One 200 Level or Above English Course | 3 |
| | One 200 Level or Above English Course | 3 |
| MCOM 101 | Mass Media and Society | 3.0 |
| | MCOM 204 or ART 215 | 3 |
| ACCT 200 | Spreadsheet Applications for Business | 1.0 |
| BUAD 305 | Marketing in a Global Economy | 3.0 |
| | One course outside of English | 3 |
| | RELG 111 or RELG 131 or RELG 132 | 3 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| | Total Credits | 50 |

## ENGL 251 or ENGL 252

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 252 | Major British Writers III | 3.0 |
| ENGL 251 | Major British Writers II | 3.0 |

## ENGL 255 or ENGL 256

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 255 | Major US Writers I | 3.0 |
| ENGL 256 | Major US Writers II | 3.0 |

## ENGL 360 or ENGL 362

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 360 | Shakespeare | 3.0 |
| ENGL 362 | Studies in Major Authors | 3.0 |

## One 200 Level or Above English Course

**Elective Credits** 3

## English Elective

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 232 | Introduction to Short Fiction | 3.0 |
| ENGL 233 | Introduction to Drama | 3.0 |
| ENGL 234 | Introduction to Film | 3.0 |
| ENGL 250 | Major British Writers I | 3.0 |
| ENGL 251 | Major British Writers II | 3.0 |
| ENGL 255 | Major US Writers I | 3.0 |
| ENGL 256 | Major US Writers II | 3.0 |
| ENGL 321 | Advanced Expository Writing | 3.0 |
| ENGL 322 | Writing Poetry | 3.0 |
| ENGL 332 | Critical Perspectives in Lit | 3.0 |
| ENGL 326 | Creative Nonfiction Workshop | 3.0 |
| ENGL 328 | Nature Writing | 3.0 |

## MCOM 204 or ART 215

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| MCOM 204 | Beginning Publication & Design | 4.0 |
| ART 215 | Web Design | 3.0 |

## One course outside of English

**Elective Credits** 3

## RELG 111 or RELG 131 or RELG 132

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 111 | Global Religious Landscapes | 3.0 |
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |

# English - Pre-Professional English 2: Library and Information Technology

**Degree Type**
B.A.

**Objectives:** To prepare students for employment or graduate study in Library and Information Technology, by combining an in-depth knowledge of English literature, organizational and instructional skills, critical thinking, and hands-on experience that are required to enter the field.

The senior project is met by 450 .

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 200 | Reading & Writing About Literature | 3.0 |
| ENGL 250 | Major British Writers I | 3.0 |
| ENGL 450 | Senior Seminar | 3.0 |
| ENGL 470 | Internship I | 6.0 |
| | ENGL 251 or ENGL 252 | 3 |
| | ENGL 255 or ENGL 256 | 3 |
| | ENGL 317 or ENGL 332 | 3 |
| | ENGL 360 or ENGL 362 or ENGL 364 | 3 |
| | One 200 Level or Above English Course | 3 |
| | One 200 Level or Above English Course | 3 |
| | Two Courses from CVIN 124, CVIN 125, CVIN 126, CVIN 224, CVIN 225 and CVIN 226 | 2 |
| GNST 204 | Introduction to Libraries | 1.0 |
| PHIL 231 | Techniques of Reasoning | 3.0 |
| | One course outside of English | 3 |
| | RELG 111 or RELG 131 or RELG 132 | 3 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| | Total Credits | 49 |

## ENGL 251 or ENGL 252

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 252 | Major British Writers III | 3.0 |
| ENGL 251 | Major British Writers II | 3.0 |

## ENGL 255 or ENGL 256

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 255 | Major US Writers I | 3.0 |
| ENGL 256 | Major US Writers II | 3.0 |

## ENGL 317 or ENGL 332

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 317 | Lit for Children & Young Adults | 3.0 |
| ENGL 332 | Critical Perspectives in Lit | 3.0 |

## ENGL 360 or ENGL 362 or ENGL 364

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 360 | Shakespeare | 3.0 |
| ENGL 362 | Studies in Major Authors | 3.0 |
| ENGL 364 | Studies in Literary Traditions | 3.0 |

## One 200 Level or Above English Course

**Elective Credits** 3

## English Elective

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 232 | Introduction to Short Fiction | 3.0 |
| ENGL 233 | Introduction to Drama | 3.0 |
| ENGL 234 | Introduction to Film | 3.0 |
| ENGL 250 | Major British Writers I | 3.0 |
| ENGL 251 | Major British Writers II | 3.0 |
| ENGL 255 | Major US Writers I | 3.0 |
| ENGL 256 | Major US Writers II | 3.0 |
| ENGL 321 | Advanced Expository Writing | 3.0 |
| ENGL 322 | Writing Poetry | 3.0 |
| ENGL 332 | Critical Perspectives in Lit | 3.0 |
| ENGL 326 | Creative Nonfiction Workshop | 3.0 |
| ENGL 328 | Nature Writing | 3.0 |

## Two Courses from CVIN 124, CVIN 125, CVIN 126, CVIN 224, CVIN 225 and CVIN 226

**Elective Credits** 2

| Item # | Title | Semester Hours |
|---|---|---|
| CVIN 124 | Skills Seminar: Project Design and Management | 1.0 |
| CVIN 125 | Skills Seminar: Public Presentation | 1.0 |
| CVIN 126 | Skills Seminar: Interviewing and Collaborative Research | 1.0 |
| CVIN 224 | Skills Seminar: Innovative Leadership | 1.0 |
| CVIN 225 | Skills Seminar: Funding Innovation | 1.0 |
| CVIN 226 | Skills Seminar: Program Development | 1.0 |

## One course outside of English

**Elective Credits** 3

## RELG 111 or RELG 131 or RELG 132

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 111 | Global Religious Landscapes | 3.0 |
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |

# English - Teacher Preparation (6-12)

**Degree Type**
B.A.

**Objectives:** To provide depth and breadth in literary studies as a foundation for a career in teaching and to enable students to meet Virginia requirements for licensure to teach English grades 6-12.

*Note: Students pursuing licensure to teach must notify the Neff Center immediately and must be assigned a second advisor in the Neff Center for Teacher Education.*

The senior project for the English major is met by 450.

The student should select core courses to meet state licensure requirements while fulfilling college graduation requirements.

Education 440, 441, and 450 are taken in the professional semester.

Student Teaching is the senior project for teacher preparation, but individual departments may have additional senior project requirements.

## Departmental Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 200 | Reading & Writing About Literature | 3.0 |
| ENGL 250 | Major British Writers I | 3.0 |
| | ENGL 251 or ENGL 252 | 3 |
| | ENGL 255 or ENGL 256 | 3 |
| ENGL 332 | Critical Perspectives in Lit | 3.0 |
| ENGL 360 | Shakespeare | 3.0 |
| ENGL 364 | Studies in Literary Traditions | 3.0 |
| ENGL 450 | Senior Seminar | 3.0 |
| | RELG 131 or RELG 132 | 3 |

## Licensure Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 324 | Assessing for Learning | 3.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 440 | Seminar: Teaching Secondary School | 2.0 |
| EDUC 441 | Supervised Teaching-Secondary School | 10.0 |
| EDUC 445 | Foundations of Education | 3.0 |
| EDUC 449 | Reading & Writing in Content Areas | 3.0 |
| EDUC 450 | Curriculum&instruct in Sec School | 3.0 |
| | HIST 111 or HIST 112 | 3 |
| STAT 161 | Introduction to Statistics | 4.0 |
| | HHP 231 or HHP 232 or HHP 251 | 3 |
| | Total Credits | 71 |

### ENGL 251 or ENGL 252

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 251 | Major British Writers II | 3.0 |
| ENGL 252 | Major British Writers III | 3.0 |

### ENGL 255 or ENGL 256

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 255 | Major US Writers I | 3.0 |
| ENGL 256 | Major US Writers II | 3.0 |

### RELG 131 or RELG 132

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |

### HIST 111 or HIST 112

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |

### HHP 231 or HHP 232 or HHP 251

**Elective Credits** 3

One course from:

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 231 | Personal Health | 3.0 |

## Interdisciplinary English (PK-3, PK-6, 6-8) and Teacher Preparation

**Degree Type**
B.A.

**Objective:** To provide an introduction to courses in English language and literature as a foundation for a career in teaching.

Substitution of courses must be approved by the Director of the Neff Center for Teacher Education and the Chair of the English Department, guided by teacher certification requirements.

## Requirements

*Student Teaching is the senior project for Teacher Preparation students.

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 200 | Reading & Writing About Literature | 3.0 |
| | ENGL 251 or ENGL 252 | 3 |
| | ENGL 255 or ENGL 256 | 3 |
| ENGL 317 | Lit for Children & Young Adults | 3.0 |
| | One additional 300-level English course | 3 |
| | ENGL 450 or EDUC 421 | |

## Professional Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 310 | Teaching Reading and Language Arts | 3.0 |
| EDUC 324 | Assessing for Learning | 3.0 |
| EDUC 340 | Contemporary Teaching of Sci. and Math in Elem. and Middle Schools | 3.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 410 | Practicum: Reading Problems | 3.0 |
| EDUC 420 | Teaching in Elem/Middle | 2.0 |
| EDUC 421 | Supv Teach in Elementary & Middle | 10.0 |
| EDUC 430 | Elem/Middle Methods | 3.0 |
| EDUC 445 | Foundations of Education | 3.0 |

## Additional Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | RELG 111 or RELG 131 or RELG or 132 or RELG 200 | 3 |
| | MATH 121 or MATH 124/125 or MATH 151 | 3-4 |
| MATH 311 | Fundamentals of Mathematics I | 3.0 |
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |
| | HIST 105 or HIST 122 | 3 |
| POLS 103 | Politics of the United States | 3.0 |
| | ECON 151 or ECON 152 | 3 |
| | GEOG 111 or GEOG 331 | 3 |
| | BIOL 105 or BIOL 117 | 4 |
| | ART 111 or ART 241 or MUSC 318 or THRE 105 | 3 |
| | CHEM 111 or ESCI 111 or ESCI 201 or PHYS 100 or PHYS 101 | 4 |
| | Total Credits | 93-94 |

### ENGL 251 or ENGL 252

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 251 | Major British Writers II | 3.0 |
| ENGL 252 | Major British Writers III | 3.0 |

### ENGL 255 or ENGL 256

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 255 | Major US Writers I | 3.0 |
| ENGL 256 | Major US Writers II | 3.0 |

### One additional 300-level English course

**Elective Credits** 3

### ENGL 450 or EDUC 421

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 450 | Senior Seminar | 3.0 |
| EDUC 421 | Supv Teach in Elementary & Middle | 10.0 |

### RELG 111 or RELG 131 or RELG or 132 or RELG 200

**Elective Credits** 3

Met in Religion Core requirement.

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 111 | Global Religious Landscapes | 3.0 |
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |
| RELG 200 | Introduction to the Christian Faith | 3.0 |

### MATH 121 or MATH 124/125 or MATH 151

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 121 | College Algebra | 3.0 |
| MATH 124 | Precalculus | 3.0 |
| MATH 125 | Precalculus Lab | 1.0 |
| MATH 151 | Calculus I | 4.0 |

### HIST 105 or HIST 122

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 105 | The World to 1500 | 3.0 |
| HIST 122 | Modern Europe | 3.0 |

## ECON 151 or ECON 152

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 151 | Principles of Microeconomics | 3.0 |
| ECON 152 | Principles of Macroeconomics | 3.0 |

## GEOG 111 or GEOG 331

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| GEOG 111 | Human Geography | 3.0 |
| GEOG 331 | Geography of US & Canada | 3.0 |

## BIOL 105 or BIOL 117

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 105 | Introduction to College Biology | 4.0 |

## ART 111 or ART 241 or MUSC 318 or THRE 105

**Elective Credits** 3

Met in Modes of Inquiry Core Requirement.

| Item # | Title | Semester Hours |
|---|---|---|
| ART 111 | Introduction to Art and Design | 3.0 |
| ART 241 | Crafts I | 3.0 |
| MUSC 318 | Music and Culture | 3.0 |
| THRE 105 | Introduction to Acting | 3.0 |

## CHEM 111 or ESCI 111 or ESCI 201 or PHYS 100 or PHYS 101

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 111 | General Chemistry I | 4.0 |
| ESCI 111 | Physical Geology | 4.0 |
| ESCI 201 | Weather & Climate | 3.0 |
| PHYS 100 | Conceptual Physics | 4.0 |
| PHYS 101 | Astronomy | 4.0 |

# English - Creative Writing

**Degree Type**

Minor

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 200 | Reading & Writing About Literature | 3.0 |
| | Two courses from ENGL 230, 231, 232, or 233 | |
| | Two courses from ENGL 322, 323, or 326 | |
| | One 300-level elective course chosen in consultation with the department chair | |
| | Total Credits | 18 |

## Two courses from ENGL 230, 231, 232, or 233

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 230 | Introduction to Creative Writing | 3.0 |
| ENGL 231 | Introduction to Poetry | 3.0 |
| ENGL 232 | Introduction to Short Fiction | 3.0 |
| ENGL 233 | Introduction to Drama | 3.0 |

## Two courses from ENGL 322, 323, or 326

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 322 | Writing Poetry | 3.0 |
| ENGL 323 | Writing Prose Fiction | 3.0 |
| ENGL 326 | Creative Nonfiction Workshop | 3.0 |

## One 300-level elective course chosen in consultation with the department chair

# English - Literature

**Degree Type**

Minor

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 200 | Reading & Writing About Literature | 3.0 |
| | One course from ENGL 250, 251, or 252 | |
| | One course from ENGL 255 or 256 | |
| | (3) 300-level electives chosen in consultation with the department chair. | |
| | Total Credits | 18 |

## One course from ENGL 250, 251, or 252

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 250 | Major British Writers I | 3.0 |
| ENGL 251 | Major British Writers II | 3.0 |
| ENGL 252 | Major British Writers III | 3.0 |

### One course from ENGL 255 or 256

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 255 | Major US Writers I | 3.0 |
| ENGL 256 | Major US Writers II | 3.0 |

### (3) 300-level electives chosen in consultation with the department chair.

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 317 | Lit for Children & Young Adults | 3.0 |
| ENGL 321 | Advanced Expository Writing | 3.0 |
| ENGL 322 | Writing Poetry | 3.0 |
| ENGL 323 | Writing Prose Fiction | 3.0 |
| ENGL 326 | Creative Nonfiction Workshop | 3.0 |
| ENGL 328 | Nature Writing | 3.0 |
| ENGL 332 | Critical Perspectives in Lit | 3.0 |
| ENGL 350 | Special Topics | 3.0 |
| ENGL 360 | Shakespeare | 3.0 |
| ENGL 362 | Studies in Major Authors | 3.0 |
| ENGL 364 | Studies in Literary Traditions | 3.0 |

# Equine Studies

## Equine Assisted Therapy

**Degree Type**
B.A.

**Objectives:** The Equine Assisted Therapy major is an interdisciplinary major blending psychology and equine studies courses. It is designed to provide students with a through knowledge of human psychology and psychopathology and how horses may be used in order to improve the psychological functioning of a wide range of individuals. Completion of this major is intended to prepare students to become an EAGALA (Equine Assisted Growth and learning Association) certified therapist. EAGALA is recognized as the standard-setting organization in this field. The minimum qualifications for both mental health providers and equine specialists for EAGALA certified therapists may be found at the following link https://www.eagala.org/certification. Additionally, this major prepares students to obtain graduate study in a number of mental health disciplines.

| Item # | Title | Semester Hours |
|---|---|---|
| PSYC 101 | Introduction to Psychology as a Natural Science | 4.0 |
| PSYC 231 | Lifespan Development | 3.0 |
| PSYC 321 | Abnormal Psychology | 3.0 |
| | PSYC 102 OR 220 | 3 |
| | PSYC 316, 318 OR 320 | 4 |
| **Item #** | **Title** | **Semester Hours** |
| | EQST 101, 102, 201, OR 202 | 1 |
| EQST 217 | Stable Management I | 4.0 |
| EQST 224 | Schooling Techniques | 3.0 |
| EQST 370 | Equine Assisted Activities and Therapies I | 3.0 |
| EQST 371 | Equine Assisted Activities and Therapies II | 3.0 |
| EQST 418 | Equine Health Management | 3.0 |
| EQST 470 | Equine Studies Internship | 3.0 |
| | Choose 1 Statistics Course | 4 |
| | Total Credits | 41 |

### PSYC 102 OR 220

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| PSYC 102 | Introduction to Psychology as a Social Science | 3.0 |
| PSYC 220 | Child Development | 3.0 |

### PSYC 316, 318 OR 320

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| PSYC 316 | Physiology Psychology | 4.0 |
| PSYC 318 | Health Psychology | 3.0 |
| PSYC 320 | Learning and Cognition | 4.0 |

### EQST 101, 102, 201, OR 202

**Elective Credits** 1

| Item # | Title | Semester Hours |
|---|---|---|
| EQST 101 | Fundamentals of Riding (begin/Adv Begin) | 1.0 |
| EQST 102 | Fundamentals of Riding Adv Beg | 1.0 |
| EQST 201 | Fundamentals of Riding-Intermediate | 1.0 |
| EQST 202 | Fundamentals of Riding-Intermediate | 1.0 |
| EQST 470 | Equine Studies Internship | 3.0 |

## Choose 1 Statistics Course

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

# Equine Studies

**Degree Type**
B.A.

**Objectives:** The Equine Studies program is a nationally-recognized program that specializes in the disciplines of Show Jumping, Equitation, Show Hunters, Dressage and Combined Training. Students earn a bachelor's degree in Equine Studies through a program designed to produce a well-rounded horseperson with skills in teaching, training and stable management. This program prepares students to enter the horse industry with the knowledge and confidence necessary to perform successfully and professionally.

| Item # | Title | Semester Hours |
|---|---|---|
| | Seven Semester Hours in Selected Equine Studies | 7 |
| EQST 217 | Stable Management I | 4.0 |
| EQST 224 | Schooling Techniques | 3.0 |
| EQST 305 | Judging, Management and Course Design. | 3.0 |
| EQST 306 | Equine Facilities Design & Management | 4.0 |
| EQST 324 | Methods of Teaching | 3.0 |
| EQST 326 | Equine Nutrition | 3.0 |
| EQST 327 | Farrier Science | 3.0 |
| EQST 335 | Equine Anatomy/Physiology/First Aid | 3.0 |
| EQST 336 | Methods of Teaching II | 3.0 |
| EQST 360 | Conformation & Selection | 3.0 |
| EQST 418 | Equine Health Management | 3.0 |
| EQST 420 | Senior Seminar | 3.0 |
| EQST 435 | Equine Health & Breeding | 3.0 |
| EQST 470 | Equine Studies Internship | 3.0 |
| | MATH 121 or Higher | 3 |
| | Total Credits | 54 |

## Seven Semester Hours in Selected Equine Studies

**Elective Credits** 7

| Item # | Title | Semester Hours |
|---|---|---|
| EQST 101 | Fundamentals of Riding (begin/Adv Begin) | 1.0 |
| EQST 102 | Fundamentals of Riding Adv Beg | 1.0 |
| EQST 103 | Intro to Show Ring Competition I | 1.0 |
| EQST 104 | Intro-Show Ring Competition I | 2.0 |
| EQST 201 | Fundamentals of Riding-Intermediate | 1.0 |
| EQST 202 | Fundamentals of Riding-Intermediate | 1.0 |
| EQST 203 | Show Jumping Practicum I | 1.0 |
| EQST 204 | Show Jumping Practicum II | 1.0 |
| EQST 301 | Fundamentals of Riding-Adv Intermediate | 1.0 |
| EQST 302 | Fundamentals of Riding-Advance | 1.0 |
| EQST 303 | Show Jumping Practicum III | 1.0 |
| EQST 304 | Show Jumper Practicum IV | 1.0 |
| EQST 315 | Applied Schooling I | 2.0 |
| EQST 316 | Applied Schooling I | 2.0 |
| EQST 322 | Dressage I | 1.0 |
| EQST 323 | Dressage II | 1.0 |
| EQST 352 | Show Hunter Practicum | 1.0 |
| EQST 403 | Show Jumping Practicum V | 1.0 |
| EQST 404 | Show Jumping Practicum Vi | 1.0 |
| EQST 415 | Applied Schooling II | 2.0 |
| EQST 416 | Applied Schooling II | 2.0 |
| EQST 422 | Advanced Dressage | 2.0 |

## MATH 121 or Higher

**Elective Credits** 3

# Equine Studies

**Degree Type**
B.S.

| Item # | Title | Semester Hours |
|---|---|---|
| | Seven Semester Hours in Selected Equine Studies | 7 |
| EQST 217 | Stable Management I | 4.0 |
| EQST 224 | Schooling Techniques | 3.0 |
| EQST 305 | Judging, Management and Course Design. | 3.0 |
| EQST 306 | Equine Facilities Design & Management | 4.0 |
| EQST 324 | Methods of Teaching | 3.0 |
| EQST 326 | Equine Nutrition | 3.0 |
| EQST 327 | Farrier Science | 3.0 |
| EQST 335 | Equine Anatomy/Physiology/First Aid | 3.0 |
| EQST 336 | Methods of Teaching II | 3.0 |
| EQST 360 | Conformation & Selection | 3.0 |
| EQST 418 | Equine Health Management | 3.0 |
| EQST 420 | Senior Seminar | 3.0 |
| EQST 435 | Equine Health & Breeding | 3.0 |
| EQST 450 | Equine Exercise Physiology | 3.0 |
| EQST 470 | Equine Studies Internship | 3.0 |
| | MATH 151 or MATH 161X | 4 |
| | BIOL 105 or BIOL 117 | 4 |
| | One additional lab science course | 4 |
| | Total Credits | 66 |

## Seven Semester Hours in Selected Equine Studies

**Elective Credits** 7

| Item # | Title | Semester Hours |
|---|---|---|
| EQST 101 | Fundamentals of Riding (begin/Adv Begin) | 1.0 |
| EQST 102 | Fundamentals of Riding Adv Beg | 1.0 |
| EQST 103 | Intro to Show Ring Competition I | 1.0 |
| EQST 104 | Intro-Show Ring Competition I | 2.0 |
| EQST 201 | Fundamentals of Riding-Intermediate | 1.0 |
| EQST 202 | Fundamentals of Riding-Intermediate | 1.0 |
| EQST 203 | Show Jumping Practicum I | 1.0 |
| EQST 204 | Show Jumping Practicum II | 1.0 |
| EQST 301 | Fundamentals of Riding-Adv Intermediate | 1.0 |
| EQST 302 | Fundamentals of Riding-Advance | 1.0 |
| EQST 303 | Show Jumping Practicum III | 1.0 |
| EQST 304 | Show Jumper Practicum IV | 1.0 |
| EQST 315 | Applied Schooling I | 2.0 |
| EQST 316 | Applied Schooling I | 2.0 |
| EQST 322 | Dressage I | 1.0 |
| EQST 323 | Dressage II | 1.0 |
| EQST 352 | Show Hunter Practicum | 1.0 |
| EQST 403 | Show Jumping Practicum V | 1.0 |
| EQST 404 | Show Jumping Practicum Vi | 1.0 |
| EQST 415 | Applied Schooling II | 2.0 |
| EQST 416 | Applied Schooling II | 2.0 |
| EQST 422 | Advanced Dressage | 2.0 |

## MATH 151 or MATH 161X

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 151 | Calculus I | 4.0 |
| MATH 161 | Introduction to Statistics | 4.0 |

## BIOL 105 or BIOL 117

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 105 | Introduction to College Biology | 4.0 |

## One additional lab science course

**Elective Credits** 4

# Equine Studies

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| | 2 Semester Hours in Selected Equine Studies | 2 |
| EQST 217 | Stable Management I | 4.0 |
| EQST 306 | Equine Facilities Design & Management | 4.0 |
| EQST 324 | Methods of Teaching | 3.0 |
| EQST 326 | Equine Nutrition | 3.0 |
| EQST 327 | Farrier Science | 3.0 |
| EQST 418 | Equine Health Management | 3.0 |
| | Total Credits | 22 |

## 2 Semester Hours in Selected Equine Studies

**Elective Credits** 2

| Item # | Title | Semester Hours |
|---|---|---|
| EQST 101 | Fundamentals of Riding (begin/Adv Begin) | 1.0 |
| EQST 102 | Fundamentals of Riding Adv Beg | 1.0 |
| EQST 103 | Intro to Show Ring Competition I | 1.0 |
| EQST 104 | Intro-Show Ring Competition I | 2.0 |
| EQST 201 | Fundamentals of Riding-Intermediate | 1.0 |
| EQST 202 | Fundamentals of Riding-Intermediate | 1.0 |
| EQST 203 | Show Jumping Practicum I | 1.0 |
| EQST 204 | Show Jumping Practicum II | 1.0 |
| EQST 301 | Fundamentals of Riding-Adv Intermediate | 1.0 |
| EQST 302 | Fundamentals of Riding-Advance | 1.0 |
| EQST 303 | Show Jumping Practicum III | 1.0 |
| EQST 304 | Show Jumper Practicum IV | 1.0 |
| EQST 315 | Applied Schooling I | 2.0 |
| EQST 316 | Applied Schooling I | 2.0 |
| EQST 322 | Dressage I | 1.0 |
| EQST 323 | Dressage II | 1.0 |
| EQST 352 | Show Hunter Practicum | 1.0 |
| EQST 401 | Fundamentals (advanced) | 1.0 |
| EQST 402 | Fundamentals (Advanced) | 1.0 |
| EQST 403 | Show Jumping Practicum V | 1.0 |
| EQST 404 | Show Jumping Practicum Vi | 1.0 |
| EQST 415 | Applied Schooling II | 2.0 |
| EQST 416 | Applied Schooling II | 2.0 |
| EQST 422 | Advanced Dressage | 2.0 |

# Exercise Science and Health Sciences

## Exercise Science - Clinical Health Professions

**Degree Type**
B.S.

Objective: To prepare students for a graduate degree in a health professions discipline (ie. athletic training, physical therapy, occupational therapy, physician assistant studies) or other health-related field (public health, nutrition/dietetics, clinical exercise physiology, kinesiology.)

## Exercise Science Clinical Health- Core Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EXSC 110 | Introduction to Exercise Science | 3.0 |
| EXSC 213 | Medical Terminology | 3.0 |
| EXSC 261 | Applied Anatomy & Kinesiology | 3.0 |
| EXSC 310 | Exercise Physiology | 4.0 |
| EXSC 336 | Advanced Strength and Conditioning | 3.0 |
| EXSC 370 | Nutrition | 3.0 |
| EXSC 410 | Exercise Testing & Prescription for Spec | 4.0 |
| EXSC 440 | Research in Exercise Science | 4.0 |
| **Item #** | **Title** | **Semester Hours** |
| GNST 205 | Introduction to Healthcare Professions | 1.0 |
| BIOL 117 | General Biology | 4.0 |
| BIOL 120 | Integrated Human Anatomy and Physiology I | 4.0 |
| BIOL 121 | Integrated Human Anatomy and Physiology II | 4.0 |
| | MATH 121 or MATH 124/125 or MATH 151 | 3-4 |
| PSYC 102 | Introduction to Psychology as a Social Science | 3.0 |
| | Choose 1 Statistics Course | 4 |

## Contextual and Support

Chosen in consultation with advisor.

Calculus I required for PHYS 201/202.

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 201 | Organismal Biology | 4.0 |
| BIOL 300 | Genetics | 4.0 |
| BIOL 425 | General Physiology | 4.0 |
| BIOL 430 | Biochemistry | 4.0 |
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 211 | Organic Chemistry I | 4.0 |
| CHEM 240 | Introduction to Biochemistry | 3.0 |
| EXSC 285 | Research Experience in Exercise Science | 1.0 |
| EXSC 370 | Nutrition | 3.0 |
| EXSC 420 | Therapeutic Interventions | 3.0 |
| HHP 223 | Prevention, Care & Safety Education | 3.0 |
| HHP 231 | Personal Health | 3.0 |
| PHIL 221 | Health Care Ethics | 3.0 |
| PHYS 110 | College Physics I | 4.0 |
| PHYS 111 | College Physics II | 4.0 |
| PHYS 201 | General Physics I | 4.0 |
| PHYS 202 | General Physics II | 4.0 |
| PSYC 101 | Introduction to Psychology as a Natural Science | 4.0 |
| PSYC 231 | Lifespan Development | 3.0 |
| PSYC 316 | Physiology Psychology | 4.0 |
| PSYC 318 | Health Psychology | 3.0 |
| PSYC 321 | Abnormal Psychology | 3.0 |
| SOCI 101 | Introduction to Sociology | 3.0 |
| SOCI 105 | Introduction to Sociology for Healthcare Professionals | 3.0 |
| SOCI 250 | Food and Justice | 3.0 |
| SOCI 252 | Sociology of Health | 3.0 |
| | Total Credits | 62-63 |

### MATH 121 or MATH 124/125 or MATH 151

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 121 | College Algebra | 3.0 |
| MATH 124 | Precalculus | 3.0 |
| MATH 125 | Precalculus Lab | 1.0 |
| MATH 151 | Calculus I | 4.0 |

### Choose 1 Statistics Course

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

## Exercise Science - Fitness and Wellness

**Degree Type**
B.S.

Objective: To prepare students for careers in the fields of commercial fitness, corporate wellness, or strength and conditioning, or for graduate study in a health-related fied (public health, nutrition/dietetics, clinical exercise physiology, kinesiology.) Potential employment settings for Exercise Science - Fitness/Wellness graduates include:

- Corporate Fitness/Wellness Programs
- University Wellness/Adult Fitness Programs
- Hospitals/Clinics with specialties in Cardiac and/or Pulmonary Rehabilitation
- Commercial Fitness Centers
- Senior Activity Centers
- Worksite Health Promotion Programs

## Exercise Science Fitness and Wellness-Core Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EXSC 110 | Introduction to Exercise Science | 3.0 |
| EXSC 213 | Medical Terminology | 3.0 |
| EXSC 261 | Applied Anatomy & Kinesiology | 3.0 |
| EXSC 310 | Exercise Physiology | 4.0 |
| EXSC 336 | Advanced Strength and Conditioning | 3.0 |
| EXSC 337 | Program Design | 3.0 |
| EXSC 370 | Nutrition | 3.0 |
| EXSC 410 | Exercise Testing & Prescription for Spec | 4.0 |
| EXSC 440 | Research in Exercise Science | 4.0 |
| **Item #** | **Title** | **Semester Hours** |
| BIOL 117 | General Biology | 4.0 |
| BIOL 120 | Integrated Human Anatomy and Physiology I | 4.0 |
| BIOL 121 | Integrated Human Anatomy and Physiology II | 4.0 |
| | MATH 121 or MATH 124/125 or MATH 151 | 3-4 |
| PSYC 102 | Introduction to Psychology as a Social Science | 3.0 |
| | Choose 1 Statistics Course | 4 |

## Contextual Support Area

Chosen in consultation with advisor.

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 201 | Organismal Biology | 4.0 |
| CHEM 111 | General Chemistry I | 4.0 |
| EXSC 285 | Research Experience in Exercise Science | 1.0 |
| EXSC 336 | Advanced Strength and Conditioning | 3.0 |
| EXSC 420 | Therapeutic Interventions | 3.0 |
| EXSC 470 | Internship I | 6.0 |
| EXSC 471 | Internship II | 6.0 |
| HHP 220 | Prevention & Care of Athletic Injuries | 3.0 |
| HHP 223 | Prevention, Care & Safety Education | 3.0 |
| HHP 231 | Personal Health | 3.0 |
| HHP 334 | Evaluation in Physical Education | 3.0 |
| PHIL 221 | Health Care Ethics | 3.0 |
| PSYC 101 | Introduction to Psychology as a Natural Science | 4.0 |
| PSYC 220 | Child Development | 3.0 |
| PSYC 231 | Lifespan Development | 3.0 |
| PSYC 316 | Physiology Psychology | 4.0 |
| PSYC 318 | Health Psychology | 3.0 |
| SOCI 105 | Introduction to Sociology for Healthcare Professionals | 3.0 |
| SOCI 250 | Food and Justice | 3.0 |
| SOCI 252 | Sociology of Health | 3.0 |
| | Total Credits | 61-62 |

## MATH 121 or MATH 124/125 or MATH 151

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 121 | College Algebra | 3.0 |
| MATH 124 | Precalculus | 3.0 |
| MATH 125 | Precalculus Lab | 1.0 |
| MATH 151 | Calculus I | 4.0 |

## Choose 1 Statistics Course

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

# Geography and Earth and Environmental Sciences

This department serves students interested in careers or graduate education in geography, earth science or environmental studies.

The **Geography** program provides a broad-based background for students planning a career in public service, teaching, or advanced study in geography.
**Objectives:** To produce geographically informed citizens who understand the world in spatial terms; to support the education of geography teachers; and to graduate majors who can succeed in geography graduate school and apply geographical thinking in a wide range of activities and careers.

The **Environmental Studies** program prepares students for employment or graduate study through interdisciplinary education in both scientific and policy-related aspects of the earth's ecosystems. The capstone course for all students in the major is the senior seminar, in which students from both tracks meet and study current research relevant to key debates on the environment. Each track contains appropriate contextual and support courses; a minor or contextual and support area is not needed for this program.
**Objectives:** To provide a basis for sound decision-making through knowledge of environmental science and policy; to create respect for the multi-faceted and interdisciplinary nature of environmental problems; to provide an awareness of the global dimensions of environmental issues, and of the links between local and global scales; to develop skills for analysis and communication proper to the field of environmental studies; to furnish students with service experience through internships in environmental organizations; and to forge stronger connections between the university and its region through service on local environmental issues.

Earth science courses are offered at Emory & Henry as an adjunct to and support for teacher licensure and for majors in environmental studies, geography, and land use analysis and planning. A full major is not offered in this area. Students seeking teacher licensure in earth science must complete a major in geography, biology, chemistry, or physics, and 24 semester hours in earth science, including geology, oceanography, astronomy, and meteorology. Approved courses from environmental studies may be used as elective credit in the earth science licensure program.

**EARTH SCIENCE LICENSURE**

Students planning to teach may obtain licensure for geography and earth science by completing a geography major and 24 semester hours in earth science, including geology, oceanography, astronomy, and meteorology. Approved courses from environmental studies may be used as elective credit in the earth science licensure program. Students pursuing licensure to teach must notify the Neff Center and be assigned an individual advisor from the Education Department

## Environmental Studies - Policy

**Degree Type**
B.A.

**Objectives:** To prepare students for employment or graduate work in policy-related aspects of the environment. Graduates will be prepared to contribute to the formulation of public and corporate policies for the restoration and preservation of ecosystems.

The senior project is fulfilled by ENVS 450.

| Item # | Title | Semester Hours |
|---|---|---|
| ENVS 100 | Intro to Environmental Studies | 3.0 |
| | BIOL 105 or BIOL 117 | 4 |
| CHEM 111 | General Chemistry I | 4.0 |
| ECON 151 | Principles of Microeconomics | 3.0 |
| POLS 103 | Politics of the United States | 3.0 |
| | Four Courses from ENVS 200, ENVS 335, ENVS 350, ESCI 111, ESCI 201, and GEOG 340 | 10-16 |
| STAT 161 | Introduction to Statistics | 4.0 |
| ENVS 450 | Seminar in Environmental Studies | 3.0 |
| | Three selected courses or a Major/ Minor in another discipline | 8-14 |
| | Total Credits | 42-54 |

### BIOL 105 or BIOL 117

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 105 | Introduction to College Biology | 4.0 |

### Four Courses from ENVS 200, ENVS 335, ENVS 350, ESCI 111, ESCI 201, and GEOG 340

**Elective Credits** 10-16

| Item # | Title | Semester Hours |
|---|---|---|
| ENVS 200 | Environmental Monitoring | 4.0 |
| ENVS 225 | Sustainable Agriculture in Appalachia | 3.0 |
| ENVS 350 | ST: Environmental Studies | 4.0 |
| ESCI 111 | Physical Geology | 4.0 |
| ESCI 201 | Weather & Climate | 3.0 |
| GEOG 340 | Geographic Information Systems | 3.0 |

### Three selected courses or a Major/Minor in another discipline

**Elective Credits** 8-14

Three selected courses ***OR*** a major or minor in another discipline.

| Item # | Title | Semester Hours |
|---|---|---|
| ENVS 206 | Organic Food Production | 3.0 |
| ENVS 207 | Advanced Organic Food Production | 3.0 |
| ENVS 300 | Wildlife Monitoring & Mgmt | 4.0 |
| ENVS 460 | Independent Study | 4.0 |
| ENVS 470 | Internship I | 6.0 |
| GEOG 390 | Adv Geog Information System | 3.0 |
| PHIL 224 | Environmental Ethics | 3.0 |
| SOCI 230 | Environmental Sociology | 3.0 |
| MCOM 262 | Science Communication | 3.0 |
| | Major or Minor in another discipline | |

## Geography

**Degree Type**
B.A.

**Objective:** To provide a broad-based background for students planning careers in public service or advanced study in geography.

The senior project is fulfilled by completion of an independent study (460).

Students planning to pursue graduate study are encouraged to take Statistics 161, 162, or 163.

Students also choose a minor in another discipline or a contextual and support area of six courses, selected in consultation with the faculty advisor and approved by the department chair.

| Item # | Title | Semester Hours |
|---|---|---|
| GEOG 111 | Human Geography | 3.0 |
| SOSS 200 | Introduction Research Methods | 4.0 |
| | Two Courses from GEOG 245, GEOG 341, GEOG 316X, GEOG 333, CVIN 250, CVIN 255, and CVIN 260 | 6 |
| | GEOG 370 | 3 |
| GEOG 340 | Geographic Information Systems | 3.0 |
| | GEOG 390 or GEOG 460 or GEOG 470 | 3 |
| | Total Credits | 22 |

### Two Courses from GEOG 245, GEOG 341, GEOG 316X, GEOG 333, CVIN 250, CVIN 255, and CVIN 260

**Elective Credits** 6

| Item # | Title | Semester Hours |
|---|---|---|
| GEOG 245 | Geography of the Middle East | 3.0 |
| GEOG 316 | History and Geography of VA and TN | 3.0 |
| CVIN 250 | Appalachia | 3.0 |
| CVIN 255 | Place and the Built Environment - NYC | 3.0 |
| CVIN 260 | Ireland | 3.0 |

## GEOG 370

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| GEOG 370 | Field Study in Geography | 3.0 |

## GEOG 390 or GEOG 460 or GEOG 470

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| GEOG 390 | Adv Geog Information System | 3.0 |
| GEOG 460 | Independent Study | 4.0 |

# Geography - Social Sciences

**Degree Type**
B.A.

**Objective:** To complete an interdisciplinary and integrated program of study through a combination of courses designed to prepare students for graduate school, law school, and other areas of employment.

**Requirements:** Majors are required to complete at least 48 semester hours of coursework in the social sciences. At least half the content of the courses must deal with American history, economy, government, geography, with an emphasis on comparative and international studies and philosophical and conceptual dimensions of the social sciences.

Students planning to pursue graduate study are encouraged to take Statistics 161 or 162.

| Item # | Title | Semester Hours |
|---|---|---|
| GEOG 111 | Human Geography | 3.0 |
| GEOG 201 | Weather & Climate | 3.0 |
| GEOG 331 | Geography of US & Canada | 3.0 |
| | GEOG 350X or HIST 205 or SOCI 330 | 3 |
| HIST 110 | Modern World History | 3.0 |
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |
| | Two Courses from POLS 103, POLS 105, POLS 225, HIST 318, and SOCI 221 | 6 |
| | Two Courses from ECON 151, ECON 152, and HIST 220 | 6 |
| | Two courses from ECON, HIST, SOCI, GEOG, POLS, or RELG | 6 |
| | MATH 124/MATH 125 or MATH 151 | 3-4 |
| | Total Credits | 42-43 |

## GEOG 350X or HIST 205 or SOCI 330

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| GEOG 350 | Selected Topics in Geography | 3.0 |
| HIST 205 | Historical Methods | 3.0 |

## Two Courses from POLS 103, POLS 105, POLS 225, HIST 318, and SOCI 221

**Elective Credits** 6

| Item # | Title | Semester Hours |
|---|---|---|
| POLS 103 | Politics of the United States | 3.0 |
| POLS 105 | Introduction to International Relations | 3.0 |
| HIST 318 | Appalachia | 3.0 |

## Two Courses from ECON 151, ECON 152, and HIST 220

**Elective Credits** 6

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 151 | Principles of Microeconomics | 3.0 |
| ECON 152 | Principles of Macroeconomics | 3.0 |
| HIST 220 | Economic History (US) | 3.0 |

## Two courses from ECON, HIST, SOCI, GEOG, POLS, or RELG

**Elective Credits** 6

*Chosen in consultation with the advisor.

## MATH 124/MATH 125 or MATH 151

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 124 | Precalculus | 3.0 |
| MATH 125 | Precalculus Lab | 1.0 |
| MATH 151 | Calculus I | 4.0 |

# Geography - Teacher Preparation 6-12 (Earth Science Licensure)

**Degree Type**
B.A.

Objective: To enable students to meet Virginia requirements for licensure to teach Earth Science.

The student should select core courses to meet state licensure requirements while fulfilling college graduation requirements. Education 440 , 441, and 450 are taken in the professional semester.

Student Teaching is the senior project for teacher preparation, but individual departments may have additional senior project requirements.

## Department Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| GEOG 111 | Human Geography | 3.0 |
| GEOG 331 | Geography of US & Canada | 3.0 |
| GEOG 340 | Geographic Information Systems | 3.0 |
| GEOG 460 | Independent Study | 4.0 |
| ESCI 111 | Physical Geology | 4.0 |
| ESCI 112 | Historical Geology | 4.0 |
| ESCI 201 | Weather & Climate | 3.0 |
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 111L | General Chemistry Lab | 0.0 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 112L | General Chemistry II Lab | 0.0 |
| PHYS 101 | Astronomy | 4.0 |
| PHYS 201 | General Physics I | 4.0 |
| BIOL 105 | Introduction to College Biology | 4.0 |
| STAT 161 | Introduction to Statistics | 4.0 |
| EDUC 351 | Fundamentals Science/Lab Pedagogy | 2.0 |

## Licensure Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 324 | Assessing for Learning | 3.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 440 | Seminar: Teaching Secondary School | 2.0 |
| EDUC 441 | Supervised Teaching-Secondary School | 10.0 |
| EDUC 445 | Foundations of Education | 3.0 |
| EDUC 449 | Reading & Writing in Content Areas | 3.0 |
| EDUC 450 | Curriculum&instruct in Sec School | 3.0 |
| | HIST 111 or HIST 112 | 3 |
| | HHP 231 or HHP 232 or HHP 251 | 3 |
| | Total Credits | 90 |

## HIST 111 or HIST 112

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |

## HHP 231 or HHP 232 or HHP 251

**Elective Credits** 3

One course from:

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 231 | Personal Health | 3.0 |

# Environmental Studies - Science

**Degree Type**
B.S.

**Objectives:** To study biology of plants and animals, population biology, geomorphology, aquatic and terrestrial chemistry, atmospheric chemistry, and environmental monitoring; to prepare students to contribute to the understanding, restoration, and preservation of habitats and ecosystems; and to prepare graduates for employment or graduate work in science- related aspects of the environment;

The senior project is fulfilled by ENVS 450.

| Item # | Title | Semester Hours |
|---|---|---|
| ENVS 100 | Intro to Environmental Studies | 3.0 |
| ENVS 200 | Environmental Monitoring | 4.0 |
| ENVS 300 | Wildlife Monitoring & Mgmt | 4.0 |
| ENVS 450 | Seminar in Environmental Studies | 3.0 |
| BIOL 117 | General Biology | 4.0 |
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 111L | General Chemistry Lab | 0.0 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 112L | General Chemistry II Lab | 0.0 |
| | Three Courses from ENVS 205, ENVS 225, ENVS 322, ESCI 111, ESCI 201, and GEOG 340 | 9-10 |
| MATH 151 | Calculus I | 4.0 |
| STAT 161 | Introduction to Statistics | 4.0 |
| | Three Courses from Selected Courses or a Major/Minor in another Discipline | 7-14 |
| | Total Credits | 50-58 |

## Three Courses from ENVS 205, ENVS 225, ENVS 322, ESCI 111, ESCI 201, and GEOG 340

**Elective Credits** 9-10

| Item # | Title | Semester Hours |
|---|---|---|
| ENVS 205 | Environment & Planning | 3.0 |
| ENVS 225 | Sustainable Agriculture in Appalachia | 3.0 |
| ENVS 322 | Environmental Policy | 3.0 |
| ESCI 111 | Physical Geology | 4.0 |
| ESCI 201 | Weather & Climate | 3.0 |
| GEOG 340 | Geographic Information Systems | 3.0 |

## Three Courses from Selected Courses or a Major/Minor in another Discipline

**Elective Credits** 7-14

Three selected courses OR a major or minor in another discipline.

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 201 | Organismal Biology | 4.0 |
| BIOL 225 | Plant Taxonomy | 4.0 |
| BIOL 340 | Tropical Biology | 4.0 |
| CHEM 211 | Organic Chemistry I | 4.0 |
| CHEM 221 | Analytical Chemistry | 4.0 |
| ESCI 202 | Geomorphology | 3.0 |
| ENVS 206 | Organic Food Production | 3.0 |
| ENVS 350 | ST: Environmental Studies | 4.0 |
| ENVS 460 | Independent Study | 4.0 |
| ENVS 470 | Internship I | 6.0 |
| ENVS 490 | Honors Thesis I | 3.0 |
| GEOG 390 | Adv Geog Information System | 3.0 |
| MCOM 262 | Science Communication | 3.0 |
| PHYS 201 | General Physics I | 4.0 |
| | Major or Minor in another discipline | |

# Environmental Studies

**Degree Type**
Minor

A student may minor in environmental studies by completing Environmental Studies 100, 200, and 450, and three courses chosen from the following: Environmental Studies 205X, 212X, 225,300, 320X, 350, Earth Science 201, Geography 240, 311, 322, 332, 340, 390, Biology 411, Economics 262.

# Food Studies

**Degree Type**
Minor

A student may minor in food studies by completing Environmental Studies 100 or Civic Innovation 100 or Sociology 230; Environmental Studies 225 or Civic Innovation 224, 225, and 226, or Civic Innovation 225; Sociology 230 or SOCI 250 Food and Justice (required if SOCI 230 already taken); Environmental Studies 206; Environmental Studies 207; Environmental Studies 470 or Civic Innovation 470 or Sociology 470.

# Geography

**Degree Type**
Minor

A student may minor in geography by completing Geography 111; 331; 340; 390. Earth Science 111; 201.

## Geography

| Item # | Title | Semester Hours |
|---|---|---|
| GEOG 111 | Human Geography | 3.0 |
| GEOG 331 | Geography of US & Canada | 3.0 |
| GEOG 340 | Geographic Information Systems | 3.0 |
| GEOG 390 | Adv Geog Information System | 3.0 |
| ESCI 111 | Physical Geology | 4.0 |
| ESCI 201 | Weather & Climate | 3.0 |
| | Total Credits | 19 |

# Health and Human Performance

## Health and Physical Education — Teacher Preparation

**Degree Type**
B.A.

## Objective:

To prepare students for careers teaching physical education at the secondary level or combined secondary and elementary levels.

The senior project is a seminar in leadership conducted in 336.

In consultation with the department, the student must select an approved minor or a contextual and support area. Electives may include one or more coaching classes, and one or more internships in the major or minor area.

## Departmental Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| | Health & Human Performance — Core Courses | 18-21 |
| HHP 241 | Foundations of Traffic Safety | 3.0 |
| HHP 261 | Applied Anatomy & Kinesiology | 3.0 |
| HHP 335 | Phed for Exceptional Children | 3.0 |
| HHP 341 | Principles of Method Class In-Car Instruction | 3.0 |
| HHP 412 | Skills & Tech in Teaching Phed | 3.0 |
| | Ten physical education activity courses | 5 |

## Additional Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 310 | Exercise Physiology | 4.0 |
| MATH 121 | College Algebra | 3.0 |

## Licensure Requirements:

The student should select core courses to meet state licensure requirements while fulfilling college graduation requirements.

Education 440, 441, and 450 are taken in the professional semester.

Student Teaching is the senior project for teacher preparation, but individual departments may have additional senior project requirements.
For an add-on endorsement in driver education, the student must take Health & Human Performance 241 and 341.

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 324 | Assessing for Learning | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 440 | Seminar: Teaching Secondary School | 2.0 |
| EDUC 441 | Supervised Teaching-Secondary School | 10.0 |
| EDUC 445 | Foundations of Education | 3.0 |
| EDUC 449 | Reading & Writing in Content Areas | 3.0 |
| EDUC 450 | Curriculum&instruct in Sec School | 3.0 |

## Licensure — Additional Requirements

Statistics 161 is required in addition to the mathematics requirement in the major.

| Item # | Title | Semester Hours |
|---|---|---|
| | HIST 111 or HIST 112 | 3 |
| STAT 161 | Introduction to Statistics | 4.0 |
| | Total Credits | 83-86 |

## Health & Human Performance — Core Courses

**Elective Credits** 18-21

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 211 | Foundations of Health & Safety & Phys Ed | 3.0 |
| HHP 222 | Recreation, Health & Physical Education | 3.0 |
| HHP 223 | Prevention, Care & Safety Education | 3.0 |
| HHP 231 | Personal Health | 3.0 |
| HHP 334 | Evaluation in Physical Education | 3.0 |
| HHP 470 | Internship I | 6.0 |

## Ten physical education activity courses

**Elective Credits** 5

The student must take a swimming proficiency test or a class in swimming (154, 156, 158) as one of the ten activity courses.

## HIST 111 or HIST 112

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |

# Human Performance

**Degree Type**
B.A.

## Objective:

To permit persons to choose areas of study related to health and human performance which will support their vocational and/or professional goals.

## Requirements:

In consultation with the department, the student must select an approved minor or contextual support area. Electives may include one or more internships in the major or minor area.

| Item # | Title | Semester Hours |
|---|---|---|
| | Health & Human Performance — Core Courses | 18-21 |
| HHP 261 | Applied Anatomy & Kinesiology | 3.0 |
| HHP 335 | Phed for Exceptional Children | 3.0 |
| HHP 336 | Leadership in Sports & Society | 3.0 |
| HHP 412 | Skills & Tech in Teaching Phed | 3.0 |
| | Ten physical education activity courses | 5 |

## Additional Requirement:

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 121 | College Algebra | 3.0 |
| | Total Credits | 38-41 |

## Health & Human Performance — Core Courses

**Elective Credits** 18-21

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 211 | Foundations of Health & Safety & Phys Ed | 3.0 |
| HHP 222 | Recreation, Health & Physical Education | 3.0 |
| HHP 223 | Prevention, Care & Safety Education | 3.0 |
| HHP 231 | Personal Health | 3.0 |
| HHP 334 | Evaluation in Physical Education | 3.0 |
| HHP 470 | Internship I | 6.0 |

## Ten physical education activity courses

**Elective Credits** 5

The student must take a swimming proficiency test or a class in swimming (154, 156, 158) as one of the ten activity courses.

# Human Performance — Sport Management

**Degree Type**
B.A.

## Objective:

To prepare students for business-related careers in the sport field.

## Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| | Health & Human Performance — Core Courses | 18-21 |
| HHP 324 | Coaching and Officiating Sports | 3.0 |
| HHP 336 | Leadership in Sports & Society | 3.0 |
| HHP 411 | Social and Psychological Dimensions of Sport | 3.0 |
| HHP 430 | Sports & Facility Mgmt | 3.0 |
| | Five Physical Education Activity Courses | 2.5 |

## Additional Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| | MATH 121 or MATH 124/125 or MATH 151 | 3-4 |
| | Choose 1 Statistics Course | 4 |

## Minor in Accounting, International Business, or Management OR Complete Six Contextual and Support Courses Approved by the Department

| | |
|---|---|
| Total Credits | 57.5-61.5 |

### Health & Human Performance — Core Courses

**Elective Credits** 18-21

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 211 | Foundations of Health & Safety & Phys Ed | 3.0 |
| HHP 222 | Recreation, Health & Physical Education | 3.0 |
| HHP 223 | Prevention, Care & Safety Education | 3.0 |
| HHP 231 | Personal Health | 3.0 |
| HHP 334 | Evaluation in Physical Education | 3.0 |
| HHP 470 | Internship I | 6.0 |

### Five Physical Education Activity Courses

**Elective Credits** 2.5

The student must take a swimming proficiency test or a class in swimming (154, 156, 158) as one of the five activity courses.

### MATH 121 or MATH 124/125 or MATH 151

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 121 | College Algebra | 3.0 |
| MATH 124 | Precalculus | 3.0 |
| MATH 125 | Precalculus Lab | 1.0 |
| MATH 151 | Calculus I | 4.0 |

### Choose 1 Statistics Course

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

## Human Performance

**Degree Type**
Minor

A student may minor in human performance by completing six courses: 211, 222, 223, 231 or 336, and 412. In addition, minors must take five activity courses. Any substitution of courses in the minor must be approved by the department chair.

## Sport Management

**Degree Type**
Minor

A student may minor in sport management by completing six courses: 211, 324, 336, 411, 430, and 470. In addition, minors must take five activity courses. Any substitution of courses in the minor must be approved by the department chair.

# Health Sciences

## Health Sciences

**Degree Type**
B.S.

The goal of the **Health Sciences BS** is to prepare students for careers related to population health with a sound foundation in disease, determinants of health, policy, and epidemiology, paired with a strong foundation in the natural sciences. This can additionally support preparation for graduate and professional healthcare programs.

The senior project is the completion of an internship or research experience.

## HSCI CORE Courses

| Item # | Title | Semester Hours |
|---|---|---|
| HSCI 105 | Introduction to Healthcare Professions | 1.0 |
| HSCI 180 | Introduction to Population Health | 3.0 |
| HSCI 200 | What Makes a Healthy Society? (Social Determinants of Health) | 3.0 |
| NURS 206 | Global Issues in Healthcare | 3.0 |
| | HSCI 240 or HSCI 363 | 3 |
| EXSC 213 | Medical Terminology | 3.0 |
| PHIL 221 | Health Care Ethics | 3.0 |
| HSCI 301 | Epidemiology | 3.0 |
| HSCI 331 | Functioning, Disease and Health Interventions | 3.0 |
| HSCI 401 | Health Informatics and Data Translation | 3.0 |
| | HSCI 470 or HSCI 485 | 2 |

## HSCI Additional Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | BIOL 100 or CHEM 100 | 3 |
| BIOL 117 | General Biology | 4.0 |
| BIOL 120 | Integrated Human Anatomy and Physiology I | 4.0 |
| BIOL 121 | Integrated Human Anatomy and Physiology II | 4.0 |
| | CHEM 111 or CHEM 125 | 3-4 |
| | MATH 124/MATH 125 or MATH 151 | 3-4 |
| PSYC 102 | Introduction to Psychology as a Social Science | 3.0 |
| SOCI 252 | Sociology of Health | 3.0 |

## Choose any 5 courses, or select a minor from Biology, Chemistry, Psychology, Sociology, Math, Civic Innovation, or Business Administration

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 201 | Organismal Biology | 4.0 |
| BIOL 300 | Genetics | 4.0 |
| BIOL 425 | General Physiology | 4.0 |
| BIOL 441 | Cellular and Molecular Biology | 4.0 |
| | BIOL 430 or CHEM 430 | 4 |
| | BIOL 310 or EXSC 310 | 4 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 211 | Organic Chemistry I | 4.0 |
| CHEM 212 | Organic Chemistry II | 4.0 |
| EXSC 261 | Applied Anatomy & Kinesiology | 3.0 |
| EXSC 370 | Nutrition | 3.0 |
| MCOM 262 | Science Communication | 3.0 |
| NURS 207 | Cultural Concepts in Healthcare | 3.0 |
| | PHYS 110 or PHYS 201 | 4 |
| | PHYS 111 or PHYS 202 | 4 |
| PSYC 231 | Lifespan Development | 3.0 |
| PSYC 318 | Health Psychology | 3.0 |
| PSYC 321 | Abnormal Psychology | 3.0 |
| SOCI 105 | Introduction to Sociology for Healthcare Professionals | 3.0 |
| SOCI 230 | Environmental Sociology | 3.0 |
| | Total Credits | 79-85 |

### HSCI 240 or HSCI 363

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| HSCI 240 | Healthcare Policy and Law | 3.0 |
| HSCI 363 | Healthcare Administration | 3.0 |

### HSCI 470 or HSCI 485

**Elective Credits** 2

| Item # | Title | Semester Hours |
|---|---|---|
| HSCI 470 | Internship | 2.0 |
| HSCI 485 | Research Experience | 2.0 |

### BIOL 100 or CHEM 100

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 100 | Introduction to Biology and Chemistry | 3.0 |
| CHEM 100 | Introduction to Biology and Chemistry | 3.0 |

### CHEM 111 or CHEM 125

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 125 | Introduction to General, Organic, and Biological Chemistry | 3.0 |

### MATH 124/MATH 125 or MATH 151

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 124 | Precalculus | 3.0 |
| MATH 125 | Precalculus Lab | 1.0 |
| MATH 151 | Calculus I | 4.0 |

### BIOL 430 or CHEM 430

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 430 | Biochemistry | 4.0 |
| CHEM 430 | Biochemistry | 4.0 |

### BIOL 310 or EXSC 310

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 310 | Exercise Physiology | 4.0 |
| EXSC 310 | Exercise Physiology | 4.0 |

### PHYS 110 or PHYS 201

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| PHYS 110 | College Physics I | 4.0 |
| PHYS 201 | General Physics I | 4.0 |

### PHYS 111 or PHYS 202

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| PHYS 111 | College Physics II | 4.0 |
| PHYS 202 | General Physics II | 4.0 |

## Pre-Health Professional

**Degree Type**
Concentration

The goal of the **Pre-Health Professional Concentration** is to provide structured opportunities for career discernment and professional preparation for students intending to pursue graduate health professions. The concentration includes coursework as well as extra-curricular professional opportunities, shadowing, and healthcare-related service experience.

| Item # | Title | Semester Hours |
|---|---|---|
| HSCI 105 | Introduction to Healthcare Professions | 1.0 |
| HSCI 225 | Health Sciences Professional Seminar I | 1.0 |
| HSCI 345 | Health Sciences Professional Seminar II | 1.0 |
| HSCI 445 | Health Sciences Professional Seminar III | 1.0 |

## Additional Requirements

Attendance at specified Pre-Health events.

25 Volunteer Service Hours (in addition to class requirements.)

Maintain ECC Certification.

| | | |
|---|---|---|
| | Total Credits | 4 |

## Health Sciences

**Degree Type**
Minor

The goal of the minor in Health Sciences is to support students who intend to pursue a graduate health professions degree and want to strengthen their understanding of healthcare related issues.

| Item # | Title | Semester Hours |
|---|---|---|
| HSCI 180 | Introduction to Population Health | 3.0 |
| HSCI 105 | Introduction to Healthcare Professions | 1.0 |
| HSCI 301 | Epidemiology | 3.0 |
| HSCI 331 | Functioning, Disease and Health Interventions | 3.0 |
| HSCI 401 | Health Informatics and Data Translation | 3.0 |
| | Plus one other course from the Health Sciences major requirements | 3-4 |
| | Total Credits | 16-17 |

### Plus one other course from the Health Sciences major requirements

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| HSCI 200 | What Makes a Healthy Society? (Social Determinants of Health) | 3.0 |
| HSCI 240 | Healthcare Policy and Law | 3.0 |
| HSCI 363 | Healthcare Administration | 3.0 |
| NURS 206 | Global Issues in Healthcare | 3.0 |
| EXSC 213 | Medical Terminology | 3.0 |
| PHIL 221 | Health Care Ethics | 3.0 |
| | BIOL 100 or CHEM 100 | 3 |
| BIOL 117 | General Biology | 4.0 |
| BIOL 120 | Integrated Human Anatomy and Physiology I | 4.0 |
| BIOL 121 | Integrated Human Anatomy and Physiology II | 4.0 |
| | CHEM 111 or CHEM 125 | 3-4 |
| | MATH 124/MATH 125 or MATH 151 | 3-4 |
| PSYC 102 | Introduction to Psychology as a Social Science | 3.0 |
| SOCI 252 | Sociology of Health | 3.0 |

# History

## Applied History and Social Sciences Objective:

To provide students with broad experience in history and social science theory and practice in preparation for advanced studies, professional schools, or careers with state and federal governments, non-profit foundations, or other organizations.

## Requirements — One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |

## Once Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 105 | The World to 1500 | 3.0 |
| HIST 110 | Modern World History | 3.0 |
| HIST 122 | Modern Europe | 3.0 |
| **Item #** | **Title** | **Semester Hours** |
| HIST 205 | Historical Methods | 3.0 |

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 450 | Seminar | 3.0 |
| HIST 470 | Internship I | 6.0 |
| HIST 471 | Internship II | 6.0 |
| HIST 490 | Honors Project | 3.0 |
| HIST 491 | Honors Project | 3.0 |
| **Item #** | **Title** | **Semester Hours** |
| | One History Elective | 3 |
| | Minor in a social science discipline | 18 |

## Four Courses From:

Course selections may not overlap with the courses chosen for the above major or minor requirements.

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 151 | Principles of Microeconomics | 3.0 |
| ECON 152 | Principles of Macroeconomics | 3.0 |
| GEOG 111 | Human Geography | 3.0 |
| GEOG 316 | History and Geography of VA and TN | 3.0 |
| GEOG 331 | Geography of US & Canada | 3.0 |
| POLS 103 | Politics of the United States | 3.0 |
| POLS 105 | Introduction to International Relations | 3.0 |
| PSYC 102 | Introduction to Psychology as a Social Science | 3.0 |
| SOCI 101 | Introduction to Sociology | 3.0 |

## Additional Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| | MATH 121 or MATH 124/125 or MATH 151 | 3-4 |
| | Total Credits | 51-53 |

### One History Elective

**Elective Credits** 3

### Minor in a social science discipline

**Elective Credits** 18

Minor in economics, geography, international and area studies, political science, psychology, sociology, or women's studies.

### MATH 121 or MATH 124/125 or MATH 151

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 121 | College Algebra | 3.0 |
| MATH 124 | Precalculus | 3.0 |
| MATH 125 | Precalculus Lab | 1.0 |
| MATH 151 | Calculus I | 4.0 |

## Certificate in Public History Objective:

To provide students with special training and practical experience for careers in public history. This certificate is available to students majoring in any discipline, so long as they complete the requirements below.

## Requirements:

Students must complete History 111, 112, 205, 210, 318, and 470 (at least three semester hours, chosen in consultation with the department and supervised by the department).

# History

**Degree Type**
B.A.

## Objectives:

To provide students with an integrated path of study that includes surveys of various historical regions and periods, the techniques of historical research and writing, and practical and professional experience. To prepare students for advanced study or careers in archival work, historical preservation, government service, international studies, library work, law, and teaching.

## Requirements:

In addition to the two foundational courses (205 and 305), history majors take courses from the following groups:

### (a) History 100-199: Area Studies

This group of courses provides broad survey coverage of major geographical regions and time periods of world history. These courses are designed to give students a foundational understanding of the major events, trends, figures, and questions of the regions, nations, and periods under study. Students gain fundamental experience confronting historical problems and engaging both primary and secondary texts.

### (b) History 200-299: Methods and Perspectives

This group employs case studies to introduce students to the principal subfields, approaches, and methods of professional historians. In each course, students investigate the sources, questions, conclusions, problems, and key works related to each method or approach while developing skills reading scholarly literature and secondary texts. Students are encouraged to consider the methods and perspectives that will inform their research during their capstone experiences.

### (c) History 300-399: Topics and Themes

These courses allow students to study specific historical events, periods, and trends in greater depth. Students are encouraged to apply methodological and cognitive learning to the specific problems and questions of selected topics.

### (d) History 400-499: Capstone Experiences

This group includes either a seminar culminating in a research paper or a professional experience resulting in a substantial reflective essay.

### (e) Electives and Minors

Students majoring only in history must take two additional history courses as electives and complete a minor in another discipline.

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 205 | Historical Methods | 3.0 |

## Three courses, including at least one U.S. Survey from:

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 105 | The World to 1500 | 3.0 |
| HIST 110 | Modern World History | 3.0 |
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |
| HIST 122 | Modern Europe | 3.0 |
| HIST 123 | America and the World | 3.0 |

## Two courses from:

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 210 | Archaeology & Prehistory | 3.0 |
| HIST 220 | Economic History (US) | 3.0 |
| HIST 232 | Myth Magic Ritual-Ancient World | 3.0 |
| HIST 251 | Perspectives in History | 3.0 |
| HIST 306 | The Old South | 3.0 |
| HIST 307 | Civil War & Reconstruction | 3.0 |
| HIST 309 | Studies in U.S. Women's History | 3.0 |
| HIST 310 | History of Christianity | 3.0 |
| HIST 316 | Hist & Geog of VA & TN | 3.0 |
| HIST 318 | Appalachia | 3.0 |
| HIST 319 | Colonial & Revolutionary Ameri | 3.0 |
| HIST 320 | Middle Period America | 3.0 |
| HIST 321 | Ancient Greece | 3.0 |
| HIST 322 | Ancient Rome | 3.0 |
| HIST 324 | Medieval Europe | 3.0 |
| HIST 335 | History of Race in the U.S. | 3.0 |
| HIST 340 | History of England | 3.0 |
| HIST 350 | Special Topics in History | 3.0 |
| HIST 352 | Jesus | 3.0 |

## One Course From:

Double majors may substitute a 400-level capstone course in their other major, but must take an additional 200 or 300 level history course if they make this substitution.

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 450 | Seminar | 3.0 |
| HIST 460 | Independent Study | 3.0 |
| HIST 470 | Internship I | 6.0 |
| HIST 490 | Honors Project | 3.0 |

## Two History Electives

Students majoring only in history.

As many as two of the elective courses may be chosen from Social Sciences disciplines (Business Administration, Economics, Geography, Mass Communications, Political Science, and Public Policy and Community Service) and applied to the B.A. in History degree provided those courses are not counted toward another major and are approved by the advisor and the department chair.

## Additional Requirement — One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

| | |
|---|---|
| Total Credits | 37-40 |

## History

**Degree Type**
Minor

A student may minor in history by completing History 111 or 112, 205, 305, and three additional courses selected in consultation with the department.

## History With Emphasis in African-American Studies

**Degree Type**
Minor

This minor is designed to provide students with an understanding of the histories, cultures, political economies, regional relationships, and literary and artistic expressions of African Americans over time, with multi-disciplinary studies of the African-American experience. A student may complete this minor with History 234, 335, and another history course chosen in consultation with the department; English 364 when the topic is African-American Literature; and two courses chosen from the following: History 220, 306, 316, Geography 111, Political Science 103 or 117, and Sociology 270.

## Interdisciplinary History and Integrative Social Sciences and Teacher Preparation — PK-6, 6-8

**Degree Type**
B.A.

## Objectives:

To serve the needs of students seeking teaching licensure in history and social sciences or preparing for careers or advanced study in social science fields. To enable students to enroll in an interdisciplinary and integrated program of study through a combination of courses.

Students pursuing an interdisciplinary history and social science major must choose from these options: Interdisciplinary History and Integrative Social Sciences & Teacher Preparation - PK-6, 6-8; Interdisciplinary History and Social Sciences for Teacher Preparation - Secondary 6-12; or Applied History and Social Sciences.

To enable students to meet Virginia requirements for licensure to teach history and social sciences in the elementary and middle schools. To provide students with a foundational program of study in history and social sciences focused on interdisciplinary and integrative learning. To enable students to meet the goals and expectations of advanced coursework in graduate and professional schools. To provide a degree appropriate for a person seeking a master's in education or in another area of master's level work

## Requirements. One Course From:

The senior project is met by either History 450, or 470-471, or 490-491.

For teacher preparation students not enrolled in the Five-Year Teacher Education Program, student teaching is the senior project.

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 151 | Principles of Microeconomics | 3.0 |
| ECON 152 | Principles of Macroeconomics | 3.0 |
| HIST 220 | Economic History (US) | 3.0 |

HIST 111 Met as Modes of Inquiry Core Requirement.

| Item # | Title | Semester Hours |
|---|---|---|
| ENGL 200 | Reading & Writing About Literature | 3.0 |
| GEOG 111 | Human Geography | 3.0 |
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |
| HIST 316 | Hist & Geog of VA & TN | 3.0 |
| | One additional 200- or 300-level History course | 3 |
| POLS 103 | Politics of the United States | 3.0 |

## Professional Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 310 | Teaching Reading and Language Arts | 3.0 |
| EDUC 340 | Contemporary Teaching of Sci. and Math in Elem. and Middle Schools | 3.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 410 | Practicum: Reading Problems | 3.0 |
| EDUC 420 | Teaching in Elem/Middle | 2.0 |
| EDUC 421 | Supv Teach in Elementary & Middle | 10.0 |
| EDUC 430 | Elem/Middle Methods | 3.0 |
| EDUC 445 | Foundations of Education | 3.0 |

## Additional Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| | RELG 111 or RELG 131 or RELG or 132 or RELG 200 | 3 |
| ENGL 317 | Lit for Children & Young Adults | 3.0 |
| | BIOL 105 or BIOL 117 | 4 |
| | CHEM 111 or ESCI 111 or ESCI 201 or PHYS 100 or PHYS 101 | 4 |
| | ART 111 or ART 241 or MUSC 318 or THRE 105 | 3 |
| | Total Credits | 78 |

### One additional 200- or 300-level History course

**Elective Credits** 3

### RELG 111 or RELG 131 or RELG or 132 or RELG 200

**Elective Credits** 3

Met in Religion Core requirement.

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 111 | Global Religious Landscapes | 3.0 |
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |
| RELG 200 | Introduction to the Christian Faith | 3.0 |

### BIOL 105 or BIOL 117

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 105 | Introduction to College Biology | 4.0 |

### CHEM 111 or ESCI 111 or ESCI 201 or PHYS 100 or PHYS 101

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 111 | General Chemistry I | 4.0 |
| ESCI 111 | Physical Geology | 4.0 |
| ESCI 201 | Weather & Climate | 3.0 |
| PHYS 100 | Conceptual Physics | 4.0 |
| PHYS 101 | Astronomy | 4.0 |

### ART 111 or ART 241 or MUSC 318 or THRE 105

**Elective Credits** 3

Met in Modes of Inquiry Core Requirement.

| Item # | Title | Semester Hours |
|---|---|---|
| ART 111 | Introduction to Art and Design | 3.0 |
| ART 241 | Crafts I | 3.0 |
| MUSC 318 | Music and Culture | 3.0 |
| THRE 105 | Introduction to Acting | 3.0 |

## Interdisciplinary History and Social Sciences and Teacher Preparation — Secondary 6-12

**Degree Type**
B.A.

## Objective:

To enable students to meet Virginia requirements for licensure to teach history and social science, history, history and geography, or history and government.

## Departmental Requirements

HIST 111 Met as Mode of Inquiry Core Requirement

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 105 | The World to 1500 | 3.0 |
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |
| HIST 122 | Modern Europe | 3.0 |
| HIST 205 | Historical Methods | 3.0 |
| POLS 103 | Politics of the United States | 3.0 |
| POLS 105 | Introduction to International Relations | 3.0 |
| POLS 202 | State & Local Govt in US | 3.0 |
| POLS 217 | Constitutional Interpretation | 3.0 |
| POLS 240 | History of Political Philosophy | 3.0 |
| GEOG 111 | Human Geography | 3.0 |
| GEOG 201 | Weather & Climate | 3.0 |
| GEOG 316 | History and Geography of VA and TN | 3.0 |
| GEOG 331 | Geography of US & Canada | 3.0 |
| ECON 151 | Principles of Microeconomics | 3.0 |
| ECON 152 | Principles of Macroeconomics | 3.0 |

## One Course From:

Required only if in 5 Year Education Program

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 450 | Seminar | 3.0 |
| HIST 470 | Internship I | 6.0 |
| HIST 490 | Honors Project | 3.0 |

## Licensure Requirements

The student should select core courses to meet state licensure requirements while fulfilling college graduation requirements.

The senior project is met by either History 450, 470/471 or 490/491.

For teacher preparation students not enrolled in the Five-Year Teacher education Program, student teaching is the senior project.

Education 440, 441, and 450 are taken in the professional semester.

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 440 | Seminar: Teaching Secondary School | 2.0 |
| EDUC 441 | Supervised Teaching-Secondary School | 10.0 |
| EDUC 445 | Foundations of Education | 3.0 |
| EDUC 449 | Reading & Writing in Content Areas | 3.0 |
| EDUC 450 | Curriculum&instruct in Sec School | 3.0 |

## Licensure — Additional Requirements

Laboratory Science Met as Mode of Inquiry Core Requirement. Psychology 101 recommended.

| Item # | Title | Semester Hours |
|---|---|---|
| | Laboratory Science (4) | 4 |
| | MATH 121 or MATH 124/125 or MATH 151 | 3-4 |

## Licensure Requirements — Recommended One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 231 | Personal Health | 3.0 |
| | Total Credits | 88.5-89.5 |

### Laboratory Science (4)

**Elective Credits** 4

### MATH 121 or MATH 124/125 or MATH 151

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 121 | College Algebra | 3.0 |
| MATH 124 | Precalculus | 3.0 |
| MATH 125 | Precalculus Lab | 1.0 |
| MATH 151 | Calculus I | 4.0 |

# International Studies

## International Studies

**Degree Type**
B.A.

## Objective:

To promote understanding of contemporary patterns of politics, economics, international relations, law, culture, society, religion, and the historical development of different regions around the world, as well as ground students in the concepts of globalization and global citizenship.

Additional options include an honors thesis. The honors thesis program encourages a more intensive study of an area of study than is required for the normal major. Students who successfully complete the program requirements will be awarded either "High Honors" or "Honors." Study abroad provides enhancement educationally, culturally, and linguistically. Students are required to participate in study abroad programs sponsored by the college or by cooperating institutions or participate in an international experience approved by the program director.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| INST 105 | Introuction to International Relations | 3.0 |
| INST 223 | International Political Economics | 3.0 |
| INST 215 | Introduction to Comparative Politics | 3.0 |

## Six Courses From:

| Item # | Title | Semester Hours |
|---|---|---|
| GEOG 245 | Geography of the Middle East | 3.0 |
| POLS 314 | National and International Security | 3.0 |
| POLS 337 | Women in Politics | 3.0 |

| Item # | Title | Semester Hours |
|---|---|---|
| INST 450 | Capstone Seminar | 3.0 |

## Additional Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| | World Language | 12 |
| | Total Credits | 42 |

### World Language

**Elective Credits** 12

Minimum of four courses in a world language.

Students who wish to study a world language not offered at Emory & Henry can do so at cooperating institutions in the United States or abroad.

## International Studies and Business

**Degree Type**
B.S.

For the objectives and requirements of this track, see the listing in the Department of Business Administration.

| | | |
|---|---|---|
| | Total Credits | 0 |

# Mathematics

## Interdisciplinary Mathematics and Teacher Preparation — PK-6, 6-8

**Degree Type**
B.A.

The Senior Project for non-teacher track students is Mathematics 420 . The senior project for students who complete a teacher preparation endorsement is Mathematics 421.

Substitutions for students seeking licensure in elementary and middle school endorsement must be approved by the Director of the Neff Center for Teacher Education and the Chair of the Mathematics Department, guided by teacher certification requirements.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 124 | Precalculus | 3.0 |
| MATH 125 | Precalculus Lab | 1.0 |
| MATH 151 | Calculus I | 4.0 |
| MATH 161 | Introduction to Statistics | 4.0 |
| MATH 201 | Intro to Mathematical Reasoning | 3.0 |
| MATH 340 | Geometry | 3.0 |
| MATH 420 | History of Math | 3.0 |
| PHYS 100 | Conceptual Physics | 4.0 |

## Professional Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 310 | Teaching Reading and Language Arts | 3.0 |
| EDUC 340 | Contemporary Teaching of Sci. and Math in Elem. and Middle Schools | 3.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 410 | Practicum: Reading Problems | 3.0 |
| EDUC 420 | Teaching in Elem/Middle | 2.0 |
| EDUC 421 | Supv Teach in Elementary & Middle | 10.0 |
| EDUC 430 | Elem/Middle Methods | 3.0 |
| EDUC 445 | Foundations of Education | 3.0 |

## Additional Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | RELG 111 or RELG 131 or RELG or 132 or RELG 200 | 3 |
| ENGL 200 | Reading & Writing About Literature | 3.0 |
| ENGL 317 | Lit for Children & Young Adults | 3.0 |
| MATH 311 | Fundamentals of Mathematics I | 3.0 |
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |
| HIST 122 | Modern Europe | 3.0 |
| POLS 103 | Politics of the United States | 3.0 |
| | GEOG 111 or GEOG 331 | 3 |
| | BIOL 105 or BIOL 117 | 4 |
| | ART 111 or ART 241 or MUSC 318 or THRE 105 | 3 |
| | ECON 151 or ECON 152 | 3 |
| | CHEM 111 or ESCI 111 or ESCI 201 or PHYS 100 or PHYS 101 | 4 |
| | Total Credits | 103 |

## RELG 111 or RELG 131 or RELG or 132 or RELG 200

**Elective Credits** 3

Met in Religion Core requirement.

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 111 | Global Religious Landscapes | 3.0 |
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |
| RELG 200 | Introduction to the Christian Faith | 3.0 |

## GEOG 111 or GEOG 331

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| GEOG 111 | Human Geography | 3.0 |
| GEOG 331 | Geography of US & Canada | 3.0 |

## BIOL 105 or BIOL 117

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 105 | Introduction to College Biology | 4.0 |

## ART 111 or ART 241 or MUSC 318 or THRE 105

**Elective Credits** 3

Met in Modes of Inquiry Core Requirement.

| Item # | Title | Semester Hours |
|---|---|---|
| ART 111 | Introduction to Art and Design | 3.0 |
| ART 241 | Crafts I | 3.0 |
| MUSC 318 | Music and Culture | 3.0 |
| THRE 105 | Introduction to Acting | 3.0 |

## ECON 151 or ECON 152

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 151 | Principles of Microeconomics | 3.0 |
| ECON 152 | Principles of Macroeconomics | 3.0 |

## CHEM 111 or ESCI 111 or ESCI 201 or PHYS 100 or PHYS 101

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 111 | General Chemistry I | 4.0 |
| ESCI 111 | Physical Geology | 4.0 |
| ESCI 201 | Weather & Climate | 3.0 |
| PHYS 100 | Conceptual Physics | 4.0 |
| PHYS 101 | Astronomy | 4.0 |

# Mathematics

**Degree Type**
B.A. or B.S.

## Objectives:

To offer a broad foundation in theoreti9al and applied mathematics. To provide the necessary preparation for teaching, graduate study, or related work in a number of vocational fields.

Math 201 should be taken in the sophomore year, as it is prerequisite to most upper-level courses.

Only one course from Mathematics 460, 470, 471, 490, and 491 can count toward the major. Math 460 (Independent Study) can fill a major requirement only if it is taken for 3 or more credits.
Students in the B.S. degree program must minor in biology, chemistry, physics, or complete 20 hours of credit in at least three departments outside of mathematics in the Natural Sciences division.

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 151 | Calculus I | 4.0 |
| MATH 152 | Calculus II | 4.0 |
| MATH 201 | Intro to Mathematical Reasoning | 3.0 |
| MATH 253 | Calculus III | 4.0 |
| MATH 321 | Linear Algebra | 3.0 |
| MATH 421 | Modern Algebra | 3.0 |
| MATH 451 | Real Variable Theory | 3.0 |
| | Three additional courses at or above the 200 level | 9-15 |

## Recommended

| Item # | Title | Semester Hours |
|---|---|---|
| PHYS 201 | General Physics I | 4.0 |
| | Total Credits | 33-39 |

## Three additional courses at or above the 200 level

**Elective Credits** 9-15

Chosen in consultation with the advisor.

The mathematics requirement is met by Mathematics 151.

# Mathematics — Teacher Preparation — Secondary 6-12

**Degree Type**
B.A. or B.S.

## Objective:

To enable students to meet Virginia requirements for licensure to teach mathematics.

Students who wish to receive a B.S. in Mathematics - Teacher Preparation must complete a minor as directed in the requirements for the BS in mathematics.

## Departmental Requirements:

Students must complete or place out of Mathematics 123.

The Mathematics requirement will be satisfied by Mathematics 151.

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 151 | Calculus I | 4.0 |
| MATH 152 | Calculus II | 4.0 |
| MATH 201 | Intro to Mathematical Reasoning | 3.0 |
| MATH 253 | Calculus III | 4.0 |
| MATH 312 | Fundamentals of Mathematics II | 3.0 |
| MATH 321 | Linear Algebra | 3.0 |
| MATH 340 | Geometry | 3.0 |
| | MATH 360 or STAT 161 | 3-4 |
| MATH 370 | Discrete Structures | 3.0 |
| MATH 420 | History of Math | 3.0 |
| MATH 421 | Modern Algebra | 3.0 |

## Recommended

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 451 | Real Variable Theory | 3.0 |

## Licensure Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 440 | Seminar: Teaching Secondary School | 2.0 |
| EDUC 441 | Supervised Teaching-Secondary School | 10.0 |
| EDUC 445 | Foundations of Education | 3.0 |
| EDUC 449 | Reading & Writing in Content Areas | 3.0 |
| EDUC 450 | Curriculum&instruct in Sec School | 3.0 |

## Additional Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| | HIST 111 or HIST 112 | 3 |
| | Laboratory Science (4) | 4 |

## Recommended:

The student should select core courses to meet state licensure requirements while fulfilling college graduation requirements.

Education 440, 441, and 450 are taken in the professional semester.

Education 441 is the senior project for teacher preparation.

| Item # | Title | Semester Hours |
|---|---|---|
| | HHP 231 or HHP 232 or HHP 251 | 3 |
| | Total Credits | 77-78 |

## MATH 360 or STAT 161

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 360 | Probability & Statistics | 3.0 |
| STAT 161 | Introduction to Statistics | 4.0 |

## HIST 111 or HIST 112

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |

### Laboratory Science (4)

**Elective Credits** 4

### HHP 231 or HHP 232 or HHP 251

**Elective Credits** 3

One course from:

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 231 | Personal Health | 3.0 |

## Mathematics

**Degree Type**
Minor

A student may minor in mathematics by completing Mathematics 151, 152, 201, and 253, and two additional courses at or above the 300 level, not including 311, 312, 420, 460, 470, or 480.

| | | |
|---|---|---|
| | Total Credits | 0 |

# Media and Communication

## Media and Communication

**Degree Type**
B.A.

## Objectives:

To provide liberal arts students a thorough foundation in the theories and applications of mass communications and an understanding of the function of communication in society. To develop broad-based skills and understanding which will prepare students for a wide variety of careers or for advanced study in communication, business, government, or law.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| MCOM 101 | Mass Media and Society | 3.0 |
| MCOM 202 | Writing, Reporting & Editing I | 4.0 |
| MCOM 204 | Beginning Publication & Design | 4.0 |
| MCOM 210 | Digital Storytelling | 4.0 |
| MCOM 240 | Career Readiness I | 0.5 |
| MCOM 302 | Writing, Report & Editing II | 3.0 |
| MCOM 320 | Social Media Theory and Practice | 3.0 |
| MCOM 340 | Career Readiness II | 0.5 |
| MCOM 390 | Persuasive Communication | 3.0 |
| MCOM 440 | Career Readiness III | 0.5 |
| MCOM 451 | Media Law & Ethics | 3.0 |

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| MCOM 470 | Internship I | 2.0-6 |
| MCOM 471 | Internship II | 2.0-6 |
| MCOM 480 | Senior Project | 3.0 |
| **Item #** | **Title** | **Semester Hours** |
| | Complete one course from: MCOM 250, 262, 263, 271X, 301, 321X, 404, 410, 420, 430 | 3 |
| **Item #** | **Title** | **Semester Hours** |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| | Minor or Contextual Support Area | 18 |
| | Total Credits | 53 |

### Complete one course from: MCOM 250, 262, 263, 271X, 301, 321X, 404, 410, 420, 430

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| MCOM 250 | Women and Media | 3.0 |
| MCOM 262 | Science Communication | 3.0 |
| MCOM 263 | Sports Communication | 3.0 |
| MCOM 271 | Introduction to Film | 3.0 |
| MCOM 301 | Advanced Media Studies | 3.0 |
| MCOM 321 | Advanced Expository Writing | 3.0 |
| MCOM 404 | Advanced Publication Design | 3.0 |
| MCOM 410 | Videography | 3.0 |
| MCOM 420 | Advanced Reporting | 3.0 |
| MCOM 430 | Public Relations | 3.0 |

### Minor or Contextual Support Area

**Elective Credits** 18

## Media and Communication

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| MCOM 101 | Mass Media and Society | 3.0 |
| MCOM 390 | Persuasive Communication | 3.0 |
| MCOM 451 | Media Law & Ethics | 3.0 |
| | MCOM Minor Choose One Skills Course | 3 |
| | Media and Communication Applied Course | 3-6 |
| | One Additional MCOM Course | 3 |
| | Total Credits | 19 |

### MCOM Minor Choose One Skills Course

**Elective Credits** 3

Choose One Course

### Choose One Course

| Item # | Title | Semester Hours |
|---|---|---|
| MCOM 202 | Writing, Reporting & Editing I | 4.0 |
| MCOM 204 | Beginning Publication & Design | 4.0 |
| MCOM 210 | Digital Storytelling | 4.0 |

### Media and Communication Applied Course

**Elective Credits** 3-6

### Applied Course 3-6 Credit Hours

| Item # | Title | Semester Hours |
|---|---|---|
| MCOM 262 | Science Communication | 3.0 |
| MCOM 263 | Sports Communication | 3.0 |
| MCOM 264 | Health Communications | 3.0 |
| MCOM 470 | Internship I | 2.0-6 |

### One Additional MCOM Course

**Elective Credits** 3

## Media and Communication Concentration

While a concentration is not required to major in Media and Communication, the opportunity exists for students to develop a specialty area. To earn a concentration, students augment their required MCOM coursework with 1) at least two concentration-specific electives, 2) at least one concentration-specific internship, and 3) an assessed concentration portfolio composed of focused assignments and projects from all of their coursework, internships, campus media, and other experiential learning opportunities. Students may also include work in their required minor (or double major) toward their concentration area.

Departmental faculty provide mentorship and enhanced advising to students seeking concentrations. Students can work with their advisors to begin concentrations early in their career and take advantage of the numerous opportunities that exist for them to build their portfolios. Concentration areas include sports communication, marketing communication, strategic communication/public relations, health communication, journalism, media/communication studies, videography, and graphic design. To declare a concentration, a student apply to and receive approval from the department and develop their plan for completion; to complete a concentration, departmental faculty review and assess the student's portfolio in the final semester for evidence of mastery in the concentration area.

| | | |
|---|---|---|
| | Total Credits | 0 |

## Visual Communications

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| MCOM 101 | Mass Media and Society | 3.0 |
| MCOM 204 | Beginning Publication & Design | 4.0 |
| MCOM 210 | Digital Storytelling | 4.0 |
| MCOM 451 | Media Law & Ethics | 3.0 |
| **Item #** | **Title** | **Semester Hours** |
| | MCOM Visual Minor - Choose Two | 6 |
| | Total Credits | 20 |

### MCOM Visual Minor - Choose Two

**Elective Credits** 6

### Choose Two Course

| Item # | Title | Semester Hours |
|---|---|---|
| MCOM 404 | Advanced Publication Design | 3.0 |
| MCOM 410 | Videography | 3.0 |
| MCOM 470 | Internship I | 2.0-6 |

# Military Science Program

ETSU, Department of Military Science P.O. Box 70648
Johnson City, TN 37614
Phone: (423) 439-4269

Web Address: www.etsu.edu/cbat/rotc/

The military science program is a cooperative enterprise between E&H, ETSU, and the United States Army. The program is designed to develop the students' managerial and leadership abilities, introduce students to the mission and organization of the United States Army and prepare advanced-course students for service as commissioned officers in the Active Army, Army Reserve or Army National Guard.

## Major

An academic major in military science is not offered at E&H. However, an academic minor (18 credit hours) may be offered and completion of the program qualifies the student for a commission in the US Army as a Second Lieutenant.
Course Credit

Students interested in participating in the advanced phase may receive basic phase credit for having prior active or reserve component military service, three years of junior ROTC at the high school level, or for completion of ROTC Leaders Training Course (LTC).

## ROTC Basic Course

Any student may enroll without obligation in the Department of Military Science's Basic Course Classes. Those classes listed as 1200- and 2100-series classes are considered part of the Basic Course of military science. Students desiring to enter the Advanced Course of the ROTC program through the four-year program must complete all four Basic Course Classes. In certain cases, the professor of Military Science may waive one of these class requirements.
The basic phase is designed to introduce the United States Army as an institution, the military as a profession, and to impart to all students basic leadership skills which can be used in a civilian environment as well as in the military. The basic phase includes both formal classroom instruction and field practice periods. Subject matter deals with the organization and history of the United States Army, the dynamics ofleadership and management, military skills, and mountaineering.

## ROTC Advanced Course

Advanced military science Cadets continue their studies in leadership and tactics with the scope of instruction expanded to include subjects such as military law, battle simulations, group dynamics, organizational management, and decision making. Advanced course contract students receive $420 per month up to a maximum of 20 months (equivalent to two academic years) and an appointment upon graduation as a Second Lieutenant. Contracted students incur a military obligation to the Active Army, the Reserve, or the National Guard. This obligation can consist of as little as three months active duty, with the remainder spent on Reserve, or National Guard status. Students who prefer Reserve or National Guard duty may be guaranteed that they will not be assigned to active duty except for the short period needed to complete a branch basic officer course (three- to six-months depending on the branch selected). Students interested in enrolling as a contract Cadet must contact the Department of Military Science for specific program requirements, guarantees, benefits, and military information.

## Leader Development and Assessment Course

Advanced course (LDAC) cadets are required to attend the four-week Leader Development and Assessment course at Ft. Knox, Kentucky, upon completion of the junior year of military science. LDAC attendance is a prerequisite to commissioning but may be delayed until completion of the senior year with the approval of the United States Army and the professor of Military Science at ETSU.

## Course Sequence Requirements

To receive a commission in the United States Army through the military science program, a student must successfully complete 14 credits of courses at the basic level (1200 or 2100 courses), 19 credits at the advanced level (3100 or 4100 courses) and ROTC Advanced Camp (6 credits). Equivalency credit may be given for the basic level courses for those Cadets who are (1) veterans, (2) graduates of junior ROTC programs, or (3) graduates of the ROTC Leaders Training Course.

The following sequence will be utilized to obtain a commission as a Second Lieutenant.

The Chair of the Department of Military Science may make exceptions to this policy under unusual circumstances.

## Military Science Four-Year Program Course Sequence

| Item # | Title | Semester Hours |
|---|---|---|
| MSCI 1217 | Physical Fitness - Basic | 1.0 |
| MSCI 1217 | Physical Fitness - Basic | 1.0 |
| MSCI 1217 | Physical Fitness - Basic | 1.0 |
| MSCI 1217 | Physical Fitness - Basic | 1.0 |
| MSCI 1210 | Leadership/Personal Development | 1.0 |
| MSCI 1180 | Leadership & Personal Development | 1.0 |
| MSCI 1220 | Introduction to Tactical Leadership | 1.0 |
| MSCI 1181 | Tactical Leadership | 1.0 |
| MSCI 2110 | Innovative Team Leadership | 2.0 |
| MSCI 2150 | Military Skills I | 2.0 |
| MSCI 3217 | Physical Fitness - Instructor | 1.0 |
| MSCI 3217 | Physical Fitness - Instructor | 1.0 |
| MSCI 3217 | Physical Fitness - Instructor | 1.0 |
| MSCI 3217 | Physical Fitness - Instructor | 1.0 |
| MSCI 3110 | Adaptive Tactical Leadership | 3.0 |
| MSCI 3120 | Leadership in a Changing Environment | 3.0 |
| MSCI 4110 | Developing Adaptive Leaders | 3.0 |
| MSCI 4120 | Leadership in a Complex World | 3.0 |
| MSCI 4582 | Military History | 3.0 |
| MSCI 4580 | Leadership Devlopment and Assessment | 6.0 |
| | Total Credits | 37 |

## Military Science Program — Commissioning Option

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| MSCI 3110 | Adaptive Tactical Leadership | 3.0 |
| MSCI 3120 | Leadership in a Changing Environment | 3.0 |
| MSCI 4110 | Developing Adaptive Leaders | 3.0 |
| MSCI 4120 | Leadership in a Complex World | 3.0 |
| MSCI 4582 | Military History | 3.0 |
| MSCI 4580 | Leadership Devlopment and Assessment | 6.0 |
| MSCI 3217 | Physical Fitness - Instructor | 1.0 |
| MSCI 3217 | Physical Fitness - Instructor | 1.0 |
| MSCI 3217 | Physical Fitness - Instructor | 1.0 |
| MSCI 3217 | Physical Fitness - Instructor | 1.0 |
| | Total Credits | 25 |

## Military Science Program — Non-Commissioning Option

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| MSCI 3110 | Adaptive Tactical Leadership | 3.0 |
| MSCI 3120 | Leadership in a Changing Environment | 3.0 |
| MSCI 4110 | Developing Adaptive Leaders | 3.0 |
| MSCI 4120 | Leadership in a Complex World | 3.0 |

### Two Courses From:

| Item # | Title | Semester Hours |
|---|---|---|
| MSCI 4580 | Leadership Devlopment and Assessment | 6.0 |
| POLS 105 | Introduction to International Relations | 3.0 |
| POLS 314 | National and International Security | 3.0 |
| HIST 110 | Modern World History | 3.0 |
| HIST 364 | World Wars | 3.0 |
| GEOG 111 | Human Geography | 3.0 |
| GEOG 245 | Geography of the Middle East | 3.0 |
| | Total Credits | 18 |

## Military Science Two-Year Program Course Sequence

| Item # | Title | Semester Hours |
|---|---|---|
| MSCI 2580 | Leadership Training Course | 6.0 |
| MSCI 3217 | Physical Fitness - Instructor | 1.0 |
| MSCI 3217 | Physical Fitness - Instructor | 1.0 |
| MSCI 3217 | Physical Fitness - Instructor | 1.0 |
| MSCI 3217 | Physical Fitness - Instructor | 1.0 |
| MSCI 3110 | Adaptive Tactical Leadership | 3.0 |
| MSCI 3120 | Leadership in a Changing Environment | 3.0 |
| MSCI 4110 | Developing Adaptive Leaders | 3.0 |
| MSCI 4120 | Leadership in a Complex World | 3.0 |
| MSCI 4582 | Military History | 3.0 |
| MSCI 4580 | Leadership Devlopment and Assessment | 6.0 |
| | Total Credits | 31 |

# Music

All students majoring in music must develop certain skills in order to complete graduation requirements; in addition to completion of specified courses, the student must demonstrate proficiency in sight-singing, ear training, keyboard harmony, and piano. The first three areas are developed in conjunction with theory courses in the department; students deficient in piano must enroll in Piano Class I-IV: MUSP 110A, 110B,

210A, and 210B. All music majors must participate in ensemble each semester they are enrolled. Attendance at certain concerts and recitals is also required of music majors. In addition to course offerings for students majoring in music, the department offers applied music and ensemble courses for other interested students. Participation in choral, vocal, and instrumental ensembles is open to all students with permission of the director.

## Music

**Degree Type**
B.A.

## Objectives

To provide the basis for a lifetime of engagement with music and/or for a professional vocation in music. Also appropriate for those wishing to continue with musicological or theoretical studies in graduate school.

All music majors must demonstrate keyboard proficiency -through examination and/or coursework before graduation. Those music students who do not have any background in piano will be required to enroll in piano classes until the requirement is fulfilled.

The capstone experience will be 425 or 426, which will involve a recital or the completion of a senior research project in music.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | Music — Core Courses | 22 |
| MUSC 401 | 20th & 21st Century Music | 3.0 |

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| | MUSC 425 or MUSC 426 | 0.5-3 |
| **Item #** | **Title** | **Semester Hours** |
| | Applied Music | 6 |
| | Ensemble | 4 |
| | Music Electives | 6 |
| **Item #** | **Title** | **Semester Hours** |
| | MATH 120 or above, OR STAT 161, STAT 162 or STAT 163 | 3-4 |
| | Total Credits | 44.5-48 |

### Music — Core Courses

**Elective Credits** 22

| Item # | Title | Semester Hours |
|---|---|---|
| MUSC 152 | Music Theory I | 3.0 |
| MUSC 153 | Aural Skills I | 1.0 |
| MUSC 162 | Music Theory II | 3.0 |
| MUSC 163 | Aural Skills II | 1.0 |
| MUSC 252 | Music Theory III | 3.0 |
| MUSC 253 | Aural Skills III | 1.0 |
| MUSC 262 | Music Theory IV | 3.0 |
| MUSC 263 | Aural Skills IV | 1.0 |
| MUSC 301 | Music History I | 3.0 |
| MUSC 302 | Music History II | 3.0 |

### MUSC 425 or MUSC 426

**Elective Credits** 0.5-3

### Applied Music

**Elective Credits** 6

### Ensemble

**Elective Credits** 4

### Music Electives

**Elective Credits** 6

### MATH 120 or above, OR STAT 161, STAT 162 or STAT 163

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 120 | Math for an Informed Citizenry | 3.0 |
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

## Music-Teacher Preparation-Grades PK-12 Choral/Vocal

**Degree Type**
B.A.

## Objectives:

To enable students to meet Virginia requirements for licensure to teach vocal and choral music in grades K-12, while developing individual potentials in musicianship and providing a broad liberal arts education.

## Entrance audition:

To enter this track as a major, the student should demonstrate technical and musical proficiency at an entrance audition. A basic understanding of all periods of music literature and a performance of at least two contrasting vocal selections ( one of which must be in a foreign language) must be represented at this audition.

All music majors must demonstrate keyboard proficiency through examination and/or coursework before graduation. Those music students who do not have any background in piano will be required to enroll in piano classes until the requirement is fulfilled.

## Departmental Requirements

Laboratory Science Met as Modes of Inquiry Core Requirement.

Statistics 161 is required in addition to the mathematics requirement in the major.

The student should select core courses to meet state licensure requirements while fulfilling college graduation requirements.

Education 440 ,441, and 450 are taken in the professional semester.

Student Teaching is the senior project for teacher preparation.

| Item # | Title | Semester Hours |
|---|---|---|
| | Music — Core Courses | 22 |
| MUSC 203 | Lyric Diction | 3.0 |
| MUSC 225 | Intro to Music Education | 3.0 |
| MUSC 226 | Elementary Music Methods | 2.0 |
| MUSC 303 | Conducting I | 2.0 |
| MUSC 304 | Conducting II - Choral Methods | 2.0 |
| MUSC 320 | Vocal Pedagogy | 2.0 |
| MUSC 325 | Junior Recital | 1.0 |
| | Primary Instrument | 6 |
| | Secondary Instrument | 3 |
| | Ensemble | 4 |
| MUSC 401 | 20th & 21st Century Music | 3.0 |

## Additional Requirement:

| Item # | Title | Semester Hours |
|---|---|---|
| | MATH 120 or higher | 3 |

## Licensure Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 324 | Assessing for Learning | 3.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 440 | Seminar: Teaching Secondary School | 2.0 |
| EDUC 441 | Supervised Teaching-Secondary School | 10.0 |
| EDUC 445 | Foundations of Education | 3.0 |
| EDUC 449 | Reading & Writing in Content Areas | 3.0 |
| EDUC 450 | Curriculum&instruct in Sec School | 3.0 |

## Licensure Requirements — Additional Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| | HIST 111 or HIST 112 | 3 |
| | Laboratory Science (4) | 4 |
| STAT 161 | Introduction to Statistics | 4.0 |

## Licensure Requirements — Recommended One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 231 | Personal Health | 3.0 |
| | Total Credits | 56 |

## Music — Core Courses

**Elective Credits** 22

| Item # | Title | Semester Hours |
|---|---|---|
| MUSC 152 | Music Theory I | 3.0 |
| MUSC 153 | Aural Skills I | 1.0 |
| MUSC 162 | Music Theory II | 3.0 |
| MUSC 163 | Aural Skills II | 1.0 |
| MUSC 252 | Music Theory III | 3.0 |
| MUSC 253 | Aural Skills III | 1.0 |
| MUSC 262 | Music Theory IV | 3.0 |
| MUSC 263 | Aural Skills IV | 1.0 |
| MUSC 301 | Music History I | 3.0 |
| MUSC 302 | Music History II | 3.0 |

## Primary Instrument

**Elective Credits** 6

## Secondary Instrument

**Elective Credits** 3

## Ensemble

**Elective Credits** 4

## MATH 120 or higher

**Elective Credits** 3

## HIST 111 or HIST 112

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |

## Laboratory Science (4)

**Elective Credits** 4

# Music — Performance

**Degree Type**
B.A.

## Objectives

To develop individual potentials in musicianship, technique, artistry, self-expression, and critical thinking through academic and applied music study focusing on the instrumental, piano, or vocal repertoire. To provide a broad liberal arts foundation and opportunities for career preparation in a variety of performance-related areas.

## Entrance audition

To enter this track as a major, the student should demonstrate technical and musical proficiency at an entrance audition. Knowledge of technical skills particular to each area, a basic understanding of all periods of music literature, and a performance of two contrasting pieces must be included in this audition. Contact the music department chair for further information.

All music majors must demonstrate keyboard proficiency through examination and/or coursework before graduation. Those music students who do not have any background in piano will be required to enroll in piano classes until the requirement is fulfilled.

All performance majors are required to demonstrate their ability to continue in the performance degree program by participating in a sophomore performance review (twenty minutes of music and interview) in front of the music faculty. This requirement is designed to prepare the student for the juried junior and senior recitals.

All performance majors are required to complete Music 325 and 425. The juried junior recital must include a minimum of twenty-five minutes of music, and the juried senior recital must include a minimum of fifty minutes of music. For piano majors, a juried, full-length collaborative recital or a piano pedagogy research paper of fifteen to twenty pages, approved by the music faculty, may be substituted for the junior recital. See the music department handbook for details about all recital requirements.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | Music — Core Courses | 22 |
| MUSC 325 | Junior Recital | 1.0 |
| MUSC 401 | 20th & 21st Century Music | 3.0 |
| MUSC 425 | Senior Recital | 1.0 |
| MUSC 320 | Vocal Pedagogy | 2.0 |
| | Private Study in Principal Area | 8 |
| | Ensemble Pertinent to Principal Area | 4 |

## For Piano Performance Area:

| Item # | Title | Semester Hours |
|---|---|---|
| MUSC 315 | Literature for Piano | 1.0 |
| MUSC 317 | Collaborative Piano in Context | 1.0 |
| MUSC 319 | Piano Pedagogy | 1.0 |

## For Voice Performance Area

| Item # | Title | Semester Hours |
|---|---|---|
| MUSC 203 | Lyric Diction | 3.0 |
| MUSP 240 | Opera & Musical Theatre Scences Workshop | 4.0 |
| MUSC 310 | Literature for Voice With Piano | 1.0 |

## Additional Requirement:

| Item # | Title | Semester Hours |
|---|---|---|
| | MATH 120 or above, OR STAT 161, STAT 162 or STAT 163 | 3-4 |
| | Total Credits | 45-51 |

## Music — Core Courses

**Elective Credits** 22

| Item # | Title | Semester Hours |
|---|---|---|
| MUSC 152 | Music Theory I | 3.0 |
| MUSC 153 | Aural Skills I | 1.0 |
| MUSC 162 | Music Theory II | 3.0 |
| MUSC 163 | Aural Skills II | 1.0 |
| MUSC 252 | Music Theory III | 3.0 |
| MUSC 253 | Aural Skills III | 1.0 |
| MUSC 262 | Music Theory IV | 3.0 |
| MUSC 263 | Aural Skills IV | 1.0 |
| MUSC 301 | Music History I | 3.0 |
| MUSC 302 | Music History II | 3.0 |

## Private Study in Principal Area

**Elective Credits** 8

## Ensemble Pertinent to Principal Area

**Elective Credits** 4

## MATH 120 or above, OR STAT 161, STAT 162 or STAT 163

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 120 | Math for an Informed Citizenry | 3.0 |
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

# Music — Teacher Preparation — Grades PK-12 Instrumental

**Degree Type**
B.A.

## Objectives:

To enable students to meet Virginia requirements for licensure to teach instrumental music in grades K- 12 , while developing individual potentials in musicianship and providing a broad liberal arts education.

## Entrance audition:

To enter this track as a major, the student should demonstrate technical and musical proficiency at an entrance audition. Knowledge of all major and minor scales, a basic understanding of all periods of music literature, and a performance of at least two contrasting selections ( only one of which may be an etude) must be represented at this audition.

All music majors must demonstrate keyboard proficiency through examination and/or coursework before graduation. Those music students who do not have any background in piano will be required to enroll in piano classes until the requirement is fulfilled.

## Departmental Requirements

Ensemble must include 1.5 semester hours of MUSP 232 -Marching Band.

| Item # | Title | Semester Hours |
|---|---|---|
| | Music — Core Courses | 22 |
| MUSC 225 | Intro to Music Education | 3.0 |
| MUSC 226 | Elementary Music Methods | 2.0 |
| MUSC 303 | Conducting I | 2.0 |
| MUSC 305 | Conducting II - Instrumental Met | 2.0 |
| MUSC 325 | Junior Recital | 1.0 |
| MUSP 101 | Brass Methods | 1.0 |
| MUSP 102 | Woodwind Methods | 1.0 |
| MUSP 103 | Percussion Methods | 1.0 |
| MUSP 104 | Strings Methods | 1.0 |
| | Primary Instrument | 6 |
| | Secondary Instrument | 3 |
| | Ensemble | 4 |
| MUSC 401 | 20th & 21st Century Music | 3.0 |

## Additional Requirement:

| Item # | Title | Semester Hours |
|---|---|---|
| | MATH 120 or higher | 3 |

## Licensure Requirements:

The student should select core courses to meet state licensure requirements while fulfilling college graduation requirements.

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 324 | Assessing for Learning | 3.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 440 | Seminar: Teaching Secondary School | 2.0 |
| EDUC 441 | Supervised Teaching-Secondary School | 10.0 |
| EDUC 445 | Foundations of Education | 3.0 |
| EDUC 449 | Reading & Writing in Content Areas | 3.0 |
| EDUC 450 | Curriculum&instruct in Sec School | 3.0 |

## Licensure Requirements — Additional Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | HIST 111 or HIST 112 | 3 |
| | Laboratory Science (4) | 4 |
| STAT 161 | Introduction to Statistics | 4.0 |

## Recommended (Not Required) One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 231 | Personal Health | 3.0 |

## For Middle School Endorsement

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 401 | Practicum in Education | 2.0 |
| | Total Credits | 55 |

### Music — Core Courses

**Elective Credits** 22

| Item # | Title | Semester Hours |
|---|---|---|
| MUSC 152 | Music Theory I | 3.0 |
| MUSC 153 | Aural Skills I | 1.0 |
| MUSC 162 | Music Theory II | 3.0 |
| MUSC 163 | Aural Skills II | 1.0 |
| MUSC 252 | Music Theory III | 3.0 |
| MUSC 253 | Aural Skills III | 1.0 |
| MUSC 262 | Music Theory IV | 3.0 |
| MUSC 263 | Aural Skills IV | 1.0 |
| MUSC 301 | Music History I | 3.0 |
| MUSC 302 | Music History II | 3.0 |

### Primary Instrument

**Elective Credits** 6

### Secondary Instrument

**Elective Credits** 3

### Ensemble

**Elective Credits** 4

### MATH 120 or higher

**Elective Credits** 3

### HIST 111 or HIST 112

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |

### Laboratory Science (4)

**Elective Credits** 4

## Music

**Degree Type**
Minor

A student may minor in music by completing 152, 153, 162, 163, 301, 302 in sequence, one elective approved by the department chair, three semester hours in applied music, and two semester hours in ensemble.

| Item # | Title | Semester Hours |
|---|---|---|
| MUSC 152 | Music Theory I | 3.0 |
| MUSC 153 | Aural Skills I | 1.0 |
| MUSC 162 | Music Theory II | 3.0 |
| MUSC 163 | Aural Skills II | 1.0 |
| MUSC 301 | Music History I | 3.0 |
| MUSC 302 | Music History II | 3.0 |
| | Total Credits | 22 |

# Nursing

## Nursing Pre-Licensure

**Degree Type**
BSN

**At the completion of the baccalaureate program, the student will demonstrate the following:**

1. Apply knowledge from the liberal arts and sciences to professional nursing practice.
2. Analyze and apply evidence from research and other information sources as a basis for nursing practice.

3. Apply knowledge and skills in using information systems and a range of patient-care technologies to facilitate the delivery of safe, quality patient care.
4. Advocate for financial and regulatory healthcare policies, processes, and environments that improve the nature and functioning of the healthcare delivery system and nursing practice.
5. Collaborate and communicate effectively with healthcare professionals to promote positive working relationships, improve patient health outcomes, and deliver safe, quality patient care.
6. Apply knowledge and skills of organizational and systems leadership, quality improvement, and patient safety in promoting safe, quality care for diverse patients across healthcare systems and environments.
7. Assess factors that influence health and apply culturally appropriate health promotion and disease prevention to diverse individuals and populations.
8. Demonstrate consistent application of nursing's professional standards of moral, ethical, and legal conduct.
9. Integrate the knowledge, skills, and attitudes expected of baccalaureate-prepared nurses to provide professional nursing care to diverse patients and populations across the lifespan, healthcare setting, and healthcare environments.

**Admission Requirements:**

Admission to Emory & Henry University as a freshman or pre-nursing student does not guarantee admission to the nursing major until all criteria have been met. Through the early assurance program, qualified applicants may qualify for guaranteed admission to the nursing program and enroll as "pre-nursing" students if they maintain a 3.0 GPA, a "C" or better in their science coursework, and a score of 65% or higher on Test of Essential Academic Skills (TEAS).To meet the requirements of early assurance, applicants need a minimum high school GPA of 3.3, SAT >1150; or ACT >25. In addition, applicants would require an interview as a part of the application evaluation. SON would continue the annual fall application process for other students wishing to be accepted into the nursing program. Admission into the pre-licensure BSN program occurs yearly and is competitive and may be limited based on the availability of clinical rotation sites. Pre-nursing students are required to successfully meet the following admissions criteria before applying for admission to the BSN program.

Students will only be able to transfer in credits received at another institution for pre-requisite courses and the required courses, such as Sciences, English, Psychology, and Statistics if accepted as meeting the transfer requirements for the university. Students may not transfer nursing courses from another nursing program, directly into the nursing program. Students will be required to have completed successfully the required courses or in the process of completing these courses at the time of applying for the BSN program in the Fall semester of their sophomore year. Nursing credits from another institution will not be accepted for admission into the program.

Students start Nursing courses in the Spring of year two after meeting the following admission criteria:

- Minimum cumulative GPA of 3.0
- Score of 65% or higher on Test of Essential Academic Skills (TEAS) within the last two years
- Submission of the BSN Program application (due October 1 for consideration of spring admission into major)
- Interview with SON faculty
- Submission of signed Technical Standards form
- Current American Health Association (AHA CPR Healthcare provider certification
- Criminal background check, Drug Screen, Immunizations
- Completion of, or current enrollment in, the required nursing prerequisite courses must be completed prior to the state of the spring semester BSN courses:
    - BIOL/CHEM 100* Introduction to Biology (3) *It is possible to be exempt from the BIOL/CHEM 100 requirement if: You have taken AP Biology and scored a 3 or higher on the AP exam, or you have a 1200 SAT or 25 ACT and a GPA of greater than 3.3, or GPA of 3.3 or higher and have successfully completed other AP exams (3 or higher) in Science and/or Math and fell confident in science knowledge.
    - BIOL 120 Anatomy & Physiology I (4)
    - BIOL 121 Anatomy & Physiology II (4)
    - BIOL 232 General Microbiology (4)
    - CHEM 125 Introduction to Chemistry (3) or CHEM 111 (4)
    - PSYC 231 Lifespan Development (3)

**After Admission Requirements**

After admission to the Nursing program but before students can enroll in courses, students must complete the compliance requirements via the current SON credentialing vendor (see instructions below).

The School of Nursing utilizes ATI$^{TM}$ to support student learning and success. ATI$^{TM}$ Content Mastery Series (CMS) and/or Concept-Based Curriculum (CBC) assessment scores account for 10% or less of a student's course grade. The comprehensive ATI review program offers the following to students:

- A comprehensive, assessment-driven review program designed to enhance student NCLEX® success.
- Multiple assessment and remediation activities. These include assessment indicators for academic success, critical thinking ability, and learning styles. Additionally, online tutorials, online practice assessments, and proctored assessments are provided and span major content areas in cursing. These ATI tools, in combination with the nursing program content, assist students to prepare effectively, helping to increase their confidence and familiarity with nursing content.

- ATI Orientation resources, such as ATI Plan, which may be accessed from the "My ATI" tab. It is highly recommended that you spend time navigating through these orientation materials.

**Review Modules/E-Books**
ATI provides Review Modules in eBook formats that include written and video materials in Key content areas.

Students are encouraged to use these modules to supplement coursework and reading. Instructors may assign chapter reading either during a given course and/or as part of active learning/remediation following assessments.

**Tutorials to Support Assessment and Remediation Process**
ATI offers unique tutorials that are designed to teach nursing students how to think like a nurse, how to take a nursing assessment, and how to make sound clinical decisions. ATI is committed to increasing student confidence by providing students with experience answering NCLEX-style questions in a variety of quizzing formats.

**Assessments**
Content Mastery Series Assessments (CMS) provide essential data regarding a student's mastery of concepts in relation to specific nursing content areas, including a series of Targeted Medical Surgical assessments that address the individual body systems to provide formative evaluation of content prior to the final Medical-Surgical course. There are practice assessments available for students as well as standardized proctored assessments that may be scheduled during courses. These assessments will help students identify what they know, in addition to areas requiring remediation (called Topic to Review).

**All TBSN (pre-license RN) students are required to sign the ATI™ policy before enrolling in nursing courses.**

**Progression, Retention, Dismissal Guidelines**
All Nursing students must maintain the required 80% (B) average in cursing courses. If a student fails ("F") a nursing course, they will be dismissed from the nursing program. If a student does not successfully pass a nursing course with an 80% or above, they will be allowed to retake the course one time. A second failure (79% or below) of any subsequent nursing course will result in dismissal from the nursing program. If a student fails a Pass/Fall portion of the course, the maximum grade that can be obtained will be 79%. The student will be required to repeat the course.
First-time students in the nursing course will be given precedence over a student repeating the course. If there is a second failure of the same nursing course*, from the previous attempt, will not be acceptable.

Pursuant to VA BON 54.1-3007 A student will receive a failing "F" clinical and didactic course grade and be dismissed from the program for any of the following:

- Fraud or deceit in procuring or attempting to procure a license, certificate, or registration;
- Unprofessional conduct;
- Willful or repeated violation of any misdemeanor involving moral turpitude;
- practicing in a manner contrary to the standards of ethics or in such a manner as to make his practice a danger to the health and welfare of patients or to the public;
- Use of alcohol or drugs to the extent that such use renders him unsafe to practice, or any mental or physical illness rendering him unsafe to practice;
- The denial, revocation, suspension, or restriction of a license, certificate, registration, or multistate licensure privilege to practice in another state, the District of Columbia, or a United States possession or territory; or
- Abuse, negligent practice, or misappropriation of a patient's or resident's property.

**BSN Graduation Requirements**

Academic graduation requirements include the following:

1. Completion of 124 semester hours and all required courses. This includes the required CORE courses.
2. A grade of B or better in all nursing courses.
3. A cumulative grade point average of 2.0 or higher for all courses taken at Emory & Henry University and a grade point average of 3.0 or higher for all nursing courses.

Special Note: Students going into the Master of Science in Nursing (MSN) program will take NURS 502 in place of NURS 402 and NURS 505 in place of NURS 405. Application to MSN track will be in the last 12 credit hours of the BSN program.

## Pre-Licensure BSN Program Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| NURS 203 | Fundamentals of Nursing | 5.0 |
| NURS 204 | Healthcare of the Older Adult | 5.0 |
| NURS 206 | Global Issues in Healthcare | 3.0 |
| NURS 207 | Cultural Concepts in Healthcare | 3.0 |
| NURS 300 | Nursing Ethics | 3.0 |
| NURS 302 | Pharmacology I | 3.0 |
| NURS 303 | Pharmacology II | 3.0 |
| NURS 304 | Medical-Surgical Nursing I | 5.0 |
| NURS 305 | Psychiatric Nursing | 5.0 |
| NURS 306 | Maternal-Child Nursing | 5.0 |
| NURS 307 | Pediatric Nursing | 5.0 |
| NURS 400 | Pathophysiology | 3.0 |
| NURS 401 | Health Assessment | 3.0 |
| NURS 402 | Informatics & Technology | 3.0 |
| NURS 403 | Evidence-Based Practice and Nursing Research | 3.0 |
| NURS 405 | Healthcare Policy & Finance | 3.0 |
| NURS 409 | Medical Surgical Nursing II | 5.0 |
| NURS 411 | Population & Rural Health | 3.0 |
| NURS 412 | Population & Rural Health Practicum | 1.0-2 |
| NURS 413 | Professional Leadership Capstone | 5.0 |

## Contextual and Support Courses

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 120 | Integrated Human Anatomy and Physiology I | 4.0 |
| BIOL 121 | Integrated Human Anatomy and Physiology II | 4.0 |
| BIOL 232 | General Microbiology With Lab | 4.0 |
| CHEM 100 | Introduction to Biology and Chemistry | 3.0 |
| CHEM 125 | Introduction to General, Organic, and Biological Chemistry | 3.0 |
| PSYC 102 | Introduction to Psychology as a Social Science | 3.0 |
| PSYC 231 | Lifespan Development | 3.0 |
| | Total Credits | 98-99 |

# Nursing RN-BSN

**Degree Type**
BSN

The post-licensure RN to BSN nursing major is designed for the practicing Registered Nurse who holds an Associate of Science Degree in Nursing and wishes to earn a Bachelor of Science in Nursing. The curriculum is developed to provide an online format with some clinical components to enhance the practical application of knowledge gained in the student's course of study throughout the nursing program.

The purpose of the Emory & Henry University RN to BSN program is to educate and prepare baccalaureate level nurses to be professional leaders in healthcare in Southwest Virginia and surrounding areas. The nursing curriculum is built with the underpinnings of liberal arts, sciences, and nursing which focuses on the nursing process to enhance the pedagogical attainment of nursing knowledge, clinical skills, and a devotion to the nursing profession.

The mission of the RN to BSN Nursing Program is to provide a holistic approach to educating the future professional nurse in a collaborative, interprofessional culture in preparation for lives of promoting client-centered healing and health to culturally diverse individuals and populations in our communities. The BSN-RN will be prepared to actively engage and contribute to the advancement of the nursing profession through lifelong learning, leadership, scholarship and service.

The undergraduate RN to BSN program at Emory & Henry University has a provisional membership with the American Association of Colleges of Nursing (AACN) and is seeking accreditation from the Commission on Collegiate Nursing Education (CCNE).

## Program Outcomes

**At the completion of the baccalaureate program, the student will demonstrate the following:**

1. Apply knowledge from the liberal arts and sciences to professional nursing practice.
2. Analyze and apply evidence from research and other information sources as a basis for nursing practice.
3. Apply knowledge and skills in using information systems and a range of patient-care technologies to facilitate the delivery of safe, quality patient care.
4. Advocate for financial and regulatory healthcare policies, processes, and environments that improve the nature and functioning of the healthcare delivery system and nursing practice.
5. Collaborate and communicate effectively with healthcare professionals to promote positive working relationships, improve patient health outcomes, and deliver safe, quality patient care.
6. Apply knowledge and skills of organizational and systems leadership, quality improvement, and patient safety in promoting safe, quality care for diverse patients across healthcare systems and environments.
7. Assess factors that influence health and apply culturally appropriate health promotion and disease prevention to diverse individuals and populations.
8. Demonstrate consistent application of nursing's professional standards of moral, ethical, and legal conduct.
9. Integrate the knowledge, skills, and attitudes expected of baccalaureate-prepared nurses to provide professional nursing care to diverse patients and populations across the lifespan, healthcare setting, and healthcare environments.

## Admission Requirements

- Students must apply and receive acceptance into E&H and the Post-Licensure RN to BSN program.
- Be a graduate* of an accredited Associate Degree Nursing program or Diploma school. * Emory & Henry University has Concurrent Admission Agreements with several community colleges to provide a transfer pathway for students to earn four-year degrees. Students who are concurrently admitted to E&H, may take RN-BSN coursework while completing their Associates Degree.
- Hold a current unencumbered RN license in the state in which they practice. Upon application to the nursing program, each student provides proof of current, unencumbered, unrestricted and valid licensure (RN and/or APRN) in the state(s) in which they plan to complete their practicum courses. If at any point during the program, a student's license (RN and/or APRN) becomes encumbered or restricted, the student is obligated to inform the Program Director and Dean of the School of Nursing **immediately**. Under no circumstances will a student with an encumbered or restricted license be permitted to enroll in a course with a practicum component. Failure to report an encumbered or restricted license to the Program Director and Dean will result in dismissal from the nursing program. An active registered nurse advanced practice credential (if applicable in the state (jurisdiction) where employment and/or clinical practice will be completed shall be maintained while in the nursing program.
- Submit official transcripts from all colleges or universities attended.
- For entry into the program, a minimum cumulative GPA of 2.5 or higher is required and is to be maintained throughout the program. Applicants who do not meet the admissions requirements may apply for conditional admission consideration.
- Complete clinical clearance requirements 30 days after admission and prior to starting any clinical experience.
- Students may transfer in up to 75 credits - 39 credits from Diploma or ADN nursing courses.

**Clinical Clearance/Credentialing**
**No student may start clinicals without clearance from course faculty via our credentialing vendor.**
Students are required to purchase a credentialing packet, complete and submit the following via the current credentialing vendor:

- Background Check - This is a criminal background check and is essential for our clinical placements.
- 12-Panel Drug Test - Tests for Cocaine, Marijuana; PCP; Amphetamines; Opiates; Benzodiazephines; Barbiturates; Methadone; Propoxyphene; Quaaludes; Ecstasy/MDA; and Oxycodone/Percocet.
- eLearning - Annual required training.

RN to BSN Graduation Requirements
Academic graduation requirements include the following:

1. Completion of 120 semester hours and all required courses. RNs must successfully complete both the general education and required nursing courses. Elective hours make up the remaining hours needed to graduate.
2. Grade of B (80%) or better in all nursing courses.
3. A cumulative grade point average of 3.00 or higher for all courses taken at Emory & Henry College.

**Progression, Retention, Dismissal Guidelines**

All Nursing students must maintain the required 80% (B) average in nursing courses. If a student fails ("F") a nursing course, they will be dismissed from the nursing program. If a student does not successfully pass a nursing course with an 80% or above, they will be allowed to retake the course one time. A second failure (79% or below) of any subsequent nursing course will result in dismissal from the nursing program. If a student fails a Pass/Fall portion of the course, the maximum grade that can be obtained will be 79%. The student will be required to repeat the course.
First-time students in the nursing course will be given precedence over a student repeating the course. If there is a second failure of the same nursing course*, from the previous attempt, will not be acceptable.

Pursuant to VA BON 54.1-3007 A student will receive a failing "F" clinical and didactic course grade and be dismissed from the program for any of the following:

- Fraud or deceit in procuring or attempting to procure a license, certificate, or registration;
- Unprofessional conduct;
- Willful or repeated violation of any misdemeanor involving moral turpitude;
- practicing in a manner contrary to the standards of ethics or in such a manner as to make his practice a danger to the health and welfare of patients or to the public;
- Use of alcohol or drugs to the extent that such use renders him unsafe to practice, or any mental or physical illness rendering him unsafe to practice;
- The denial, revocation, suspension, or restriction of a license, certificate, registration, or multistate licensure privilege to practice in another state, the District of Columbia, or a United States possession or territory; or
- Abuse, negligent practice, or misappropriation of a patient's or resident's property.

**Summer Credit Hour Policy**

Students enrolled in the nursing program may only register for a total of 8.0 credit hours during the summer term(s). Students who wish to enroll in more than 8.0 credit hours during the summer must receive permission from their nursing advisor.

### Post-Licensure RN to BSN Program Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| NURS 206 | Global Issues in Healthcare | 3.0 |
| NURS 207 | Cultural Concepts in Healthcare | 3.0 |
| NURS 401 | Health Assessment | 3.0 |
| NURS 402 | Informatics & Technology | 3.0 |
| NURS 403 | Evidence-Based Practice and Nursing Research | 3.0 |
| NURS 404 | Leadership & Management in Nursing | 3.0 |
| NURS 405 | Healthcare Policy & Finance | 3.0 |
| NURS 407 | RN to BSN Capstone | 2.0 |
| NURS 412 | Population & Rural Health Practicum | 1.0-2 |

### Contextual and Support Courses

| Item # | Title | Semester Hours |
|---|---|---|
| BIOL 120 | Integrated Human Anatomy and Physiology I | 4.0 |
| BIOL 121 | Integrated Human Anatomy and Physiology II | 4.0 |
| BIOL 232 | General Microbiology With Lab | 4.0 |
| CHEM 100 | Introduction to Biology and Chemistry | 3.0 |
| CHEM 125 | Introduction to General, Organic, and Biological Chemistry | 3.0 |
| PSYC 102 | Introduction to Psychology as a Social Science | 3.0 |
| PSYC 231 | Lifespan Development | 3.0 |
| | 100 and 200 Level Nursing Courses | 39 |
| | Total Credits | 87-88 |

#### 100 and 200 Level Nursing Courses

**Elective Credits** 39

# Peace and Social Justice Studies

## Peace and Social Justice Studies

**Degree Type**
Minor

### Minor Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| PJST 100 | Introduction to Peace & Social Justice | 3.0 |

### PJST 200 or 205

| Item # | Title | Semester Hours |
|---|---|---|
| PJST 200 | Nonviolence and Conflict Resolution | 3.0 |
| PJST 205 | Peacebuilding Multicultural World | 3.0 |

### CVIN 200 or 205

| Item # | Title | Semester Hours |
|---|---|---|
| CVIN 200 | Public Movements, Social and Cultural Change | 3.0 |
| CVIN 205 | Skills Seminar: Building Collaboratives and Alliances for Innovation | 4.0 |

### SOCI 221, 241 or PHIL 215

| Item # | Title | Semester Hours |
|---|---|---|
| SOCI 221 | Cultures and Peoples | 3.0 |
| **Item #** | **Title** | **Semester Hours** |
| PHIL 341 | Contemporary Problems of Justice | 3.0 |
| PJST 400 | Capstone Internship and Seminar | 3.0 |
| | Total Credits | 18-19 |

# Philosophy, Political Science, and Economics

## Philosophy, Political Science, and Economics

**Degree Type**
B.A.

### Objective

To provide students with an integrated approach to examinations of social and political life by encouraging broad, integrated education in three distinct but related disciplines; to enhance preparation for careers in public policy and public service, consulting, political and economic journalism, law, and international affairs.

### Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 151 | Principles of Microeconomics | 3.0 |
| ECON 152 | Principles of Macroeconomics | 3.0 |
| PHIL 201 | Ethics | 3.0 |
| PHIL 341 | Contemporary Problems of Justice | 3.0 |
| POLS 217 | Constitutional Interpretation | 3.0 |
| POLS 240 | History of Political Philosophy | 3.0 |
| PPE 450 | Seminar in Philosophy, Political Science, and Economics | 1.0 |

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 225 | History of Economic Thought | 3.0 |
| ECON 260 | Law and Economics | 3.0 |
| ECON 262 | Environmental and Natural Resource Economics | 3.0 |
| ECON 330 | Labor Economics | 3.0 |

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| PHIL 211 | History of Ancient and Medieval Philosophy | 3.0 |
| PHIL 212 | History of Modern Philosophy | 3.0 |
| PHIL 231 | Techniques of Reasoning | 3.0 |
| PHIL 335 | Philosophy of Religion | 3.0 |

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| POLS 105 | Introduction to International Relations | 3.0 |
| POLS 223 | International Political Economy | 3.0 |
| POLS 343 | Studies in American Political Development | 3.0 |
| SOCI 334 | Social Theory | 3.0 |

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| ECON 460 | Independent Study | 4.0 |
| ECON 490 | Honors Thesis I | 3.0 |
| PHIL 460 | Independent Study | 1.0-4 |
| PHIL 480 | Senior Project | 3.0 |
| POLS 460 | Independent Study | 4.0 |
| POLS 490 | Honors Thesis I | 3.0 |

## Additional Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 121 | College Algebra | 3.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| | Total Credits | 36-39 |

# Physics

## Physics

**Degree Type**
B.A.

## Objectives:

To provide background in basic physics, emphasizing and laboratory skills knowledge which students will need in industrial or government employment or a science teaching career; to stress applications of analytical software and mathematical techniques.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| PHYS 201 | General Physics I | 4.0 |
| PHYS 202 | General Physics II | 4.0 |
| PHYS 311 | Modern Physics | 4.0 |
| PHYS 355 | Mathematical Methods for Physical Science I | 4.0 |

## Five additional courses in physics

Chosen in consultation with the advisor.

## One course from:

The senior project is completed as part of a 460 or 470 course (at least three semester hours credit) within the required courses.

| Item # | Title | Semester Hours |
|---|---|---|
| PHYS 460 | Independent Study | 3.0-4 |
| PHYS 470 | Internship I | 2.0-6 |

## Additional Requirements:

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 151 | Calculus I | 4.0 |
| MATH 152 | Calculus II | 4.0 |
| MATH 201 | Intro to Mathematical Reasoning | 3.0 |
| MATH 253 | Calculus III | 4.0 |
| MATH 353 | Differential Equations | 3.0 |
| | Total Credits | 52-60 |

## Physics Teacher Preparation — Secondary 6-12

**Degree Type**
B.A. or B.S.

## Objective:

To enable students to meet Virginia requirements for licensure to teach physics and, under certain circumstances, other related subjects.

## Departmental requirements:

Except for the senior project and the contextual and support courses, teacher preparation students should complete the above requirements for the B.A. or the B.S. degree.

## Licensure Requirements

The student should select core courses to meet state licensure requirements while fulfilling college graduation requirements.

Education 440, 441, and 450 are taken in the professional semester.

Student Teaching is the senior project for teacher preparation, but individual departments may have additional senior project requirements.

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 324 | Assessing for Learning | 3.0 |
| EDUC 351 | Fundamentals Science/Lab Pedagogy | 2.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 440 | Seminar: Teaching Secondary School | 2.0 |
| EDUC 441 | Supervised Teaching-Secondary School | 10.0 |
| EDUC 445 | Foundations of Education | 3.0 |
| EDUC 449 | Reading & Writing in Content Areas | 3.0 |
| EDUC 450 | Curriculum&instruct in Sec School | 3.0 |

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |

Statistics 161 is required in addition to the mathematics requirement in the major.

| Item # | Title | Semester Hours |
|---|---|---|
| | Laboratory Science (4) | 4 |
| STAT 161 | Introduction to Statistics | 4.0 |

## Recommended One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 231 | Personal Health | 3.0 |
| | Total Credits | 50 |

### Laboratory Science (4)

**Elective Credits** 4

## Physics

**Degree Type**
B.S.

## Objectives:

To provide background in basic physics preparing students for entry into graduate school engineering programs, or technical jobs; to stress applications of analytical software and mathematical techniques.

The senior project may consist of satisfactory performance on the Advanced Physics section of the Graduate Record Examination, successful completion of an internship or a sponsored Research Experience for Undergraduates, or a comprehensive examination given during the first term of the senior year.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| PHYS 201 | General Physics I | 4.0 |
| PHYS 202 | General Physics II | 4.0 |
| PHYS 311 | Modern Physics | 4.0 |
| PHYS 321 | Intermediate Mechanics | 3.0 |
| PHYS 355 | Mathematical Methods for Physical Science I | 4.0 |
| PHYS 411 | Electromagnetic Theory | 3.0 |
| PHYS 421 | Quantum Mechanics | 3.0 |

## Three Additional Upper Division Courses in Physics

Chosen in consultation with the advisor. CHEM 320 can be counted as equivalent to one upper division physics course. Physics courses should be at the 300 or 400 level.

More than three additional classes are strongly recommended for students planning on pursuing graduate studies. Consult your academic advisor.

## Additional Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 151 | Calculus I | 4.0 |
| MATH 152 | Calculus II | 4.0 |
| MATH 201 | Intro to Mathematical Reasoning | 3.0 |
| MATH 253 | Calculus III | 4.0 |
| MATH 353 | Differential Equations | 3.0 |
| MATH 321 | Linear Algebra | 3.0 |

## Contextual and Support Courses

| Item # | Title | Semester Hours |
|---|---|---|
| CHEM 111 | General Chemistry I | 4.0 |
| CHEM 111L | General Chemistry Lab | 0.0 |
| CHEM 112 | General Chemistry II | 4.0 |
| CHEM 112L | General Chemistry II Lab | 0.0 |
| CHEM 312 | Physical Chemistry I | 3.0 |

## Three courses from level 200 or above in Chemistry, Mathematics, with exception of seminars and MATH 201

If MATH 201 is completed, the requirements for a MATH minor will be met.

| | | |
|---|---|---|
| | Total Credits | 75-81 |

## Physics

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| PHYS 201 | General Physics I | 4.0 |
| PHYS 202 | General Physics II | 4.0 |
| PHYS 311 | Modern Physics | 4.0 |

## Two Additional Courses, Both of Which Must Be at the 300 or 400 Level

| | | |
|---|---|---|
| | Total Credits | 18 |

# Politics, Law, and International Relations

The members of the Department of Politics, Law, and International Relations offer two distinct major tracks in Political Science (listed below). Furthermore, in conjunction with colleagues from other departments, we participate in five different interdisciplinary majors: Philosophy, Political Science, and Economics (PPE, listed separately in this catalog); Asian Studies (ASIA); European Studies (EUST); Middle Eastern and Islamic Studies (MEIS); and International Studies and Business (INSB) (the last four listed separately in this catalog under International Studies).

## Honors Thesis Program in Political Science

An honors thesis program encourages more intensive study of political science than is required for the regular major. The program provides for close contact between students and their advisors so that students can receive guidance throughout their research and writing. Students will agree to the schedule in the Political Science Major Handbook and must meet all intermediate deadlines in order to continue in the honors program. Students who successfully complete the program requirements will be awarded either "High Honors" or "Honors."

## Requirements:

(1) In-depth study of an appropriate question and completion of a thesis, normally written under the direction of a member of the Political Science Department or some closely related department. Honors students may take up to six semester hours of honors directed readings and research (490-491). Only three of these credits may count toward the 30 semester hours for the basic political science major requirements.

(2) An average GPA in political science of at least 3.5.

(3) Completion of all requirements for the B.A. degree in political science, a cumulative GPA of at least 3.3, and approval of the completed project by a committee of at least two faculty from the department and one from outside the department (majority vote is required for honors to be awarded).

Prospective candidates for the honors thesis program should advise the department chair of their interest and plans no later than the end of the spring term of the junior year. The department chair will assist students in finding an appropriate thesis advisor. Formal research proposals must be circulated to all members of the proposed committee no later than October 1 of the senior year. A revised version of this research proposal must be approved by a meeting of the student with all the members of his or her committee before November 1. Admission to the honors thesis program is not automatic and may be restricted if there are too many applications.

| | | |
|---|---|---|
| | Total Credits | 0 |

## Political Science

**Degree Type**
B.A.

## Objectives

To give students an understanding of the full spectrum of political science and political activity, with a focus on the four traditional branches of the discipline: American, comparative, international, and political theory. To prepare students for graduate study in political science; entry into careers related to

public service, government, international affairs, business abroad, or public administration; or teaching civics, American government, or foreign affairs at the secondary level.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| POLS 103 | Politics of the United States | 3.0 |
| POLS 105 | Introduction to International Relations | 3.0 |
| POLS 215 | Introduction to Comparative Politics | 3.0 |
| POLS 240 | History of Political Philosophy | 3.0 |
| POLS 450 | Seminar: Problems in Politics | 3.0 |

## Five Additional Courses in Political Science

At least two of the elective courses must be 300-level courses. Elective courses should be chosen in consultation with the faculty advisor.

As many as two of the elective courses may be chosen from cognate Social Sciences disciplines and applied to the Political Science degree provided those courses are not counted as Modes, and are approved by the advisor and the department chair.

Students adding a second major in Political Science to a primary major in another cognate Social Sciences discipline may complete the Political Science major with eight courses consisting of the five core requirements and three other courses, at least one of which must be a 300-level POLS course that counts for WC credit.

## Additional Requirement

STAT 162 is preferred.

| Item # | Title | Semester Hours |
|---|---|---|
| SOSS 200 | Introduction Research Methods | 4.0 |
| | Total Credits | 34 |

# Political Science

**Degree Type**
Minor

Two additional courses chosen in conjunction with the advisor, at least one of which will be at the 300-level.

| Item # | Title | Semester Hours |
|---|---|---|
| POLS 103 | Politics of the United States | 3.0 |
| POLS 105 | Introduction to International Relations | 3.0 |
| POLS 215 | Introduction to Comparative Politics | 3.0 |
| POLS 240 | History of Political Philosophy | 3.0 |
| | Total Credits | 12 |

# Political Science — Law and Politics

**Degree Type**
B.A.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| POLS 103 | Politics of the United States | 3.0 |

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| POLS 105 | Introduction to International Relations | 3.0 |
| POLS 215 | Introduction to Comparative Politics | 3.0 |

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| POLS 117 | Law and Society | 3.0 |
| POLS 217 | Constitutional Interpretation | 3.0 |
| **Item #** | **Title** | **Semester Hours** |
| POLS 240 | History of Political Philosophy | 3.0 |

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| POLS 317 | Civil Rights and Liberties | 3.0 |
| **Item #** | **Title** | **Semester Hours** |
| POLS 400 | Moot Court | 3.0 |
| POLS 450 | Seminar: Problems in Politics | 3.0 |
| POLS 470 | Internship I | 2.0-6 |

## Two Additional Courses in Political Science

Elective courses should be chosen in consultation with the faculty advisor.

Students adding a second major in Political Science to a primary major in another cognate Social Sciences discipline may complete the Political Science major with eight courses consisting of the five core requirements and three other courses, at least one of which must be a 300-level POLS course that counts for WC credit.

## Additional Requirement

STAT 162 is preferred.

| Item # | Title | Semester Hours |
|---|---|---|
| SOSS 200 | Introduction Research Methods | 4.0 |
| | Total Credits | 33-37 |

# Psychology

## Psychology

**Degree Type**

B.A.

## Objectives

To provide a general program for students who wish to study a wide range of psychological topics; to prepare students for possible graduate study or employment in human services.

## Psychology Core

| Item # | Title | Semester Hours |
|---|---|---|
| | Psychology – Core Courses | 27-33 |
| PSYC 321 | Abnormal Psychology | 3.0 |
| | Choose 1 Statistics Course | 4 |

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| PSYC 316 | Physiology Psychology | 4.0 |
| PSYC 318 | Health Psychology | 3.0 |
| PSYC 320 | Learning and Cognition | 4.0 |

## Additional Requirements

Choose One

| | | |
|---|---|---|
| | Total Credits | 38-44 |

## Psychology — Core Courses

**Elective Credits** 27-33

| Item # | Title | Semester Hours |
|---|---|---|
| PSYC 101 | Introduction to Psychology as a Natural Science | 4.0 |
| PSYC 102 | Introduction to Psychology as a Social Science | 3.0 |
| PSYC 211 | Research Design in Psychology | 4.0 |
| PSYC 411 | Research in Social Psychology | 4.0 |
| PSYC 450 | Seminar | 3.0 |

## Two Additional Courses in Psychology

Chosen in consultation with advisor.

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| PSYC 460 | Independent Study | 3.0 |
| PSYC 470 | Internship I | 2.0-6 |
| PSYC 480 | Senior Project I | 3.0 |
| PSYC 490 | Honors Project I | 3.0 |

## Choose 1 Statistics Course

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

## Psychology

**Degree Type**

B.S.

## Objective:

To provide a specialized program for students interested in aspects of psychology that relate to the natural sciences.

## Psychology Core

| Item # | Title | Semester Hours |
|---|---|---|
| | Psychology – Core Courses | 27-33 |
| | Choose 1 Statistics Course | 4 |

## Two Courses From:

| Item # | Title | Semester Hours |
|---|---|---|
| PSYC 316 | Physiology Psychology | 4.0 |
| PSYC 318 | Health Psychology | 3.0 |
| PSYC 320 | Learning and Cognition | 4.0 |

## Additional Requirement

## Additional Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 151 | Calculus I | 4.0 |
| MATH 152 | Calculus II | 4.0 |
| | Contextual and Support Area OR Minor | 18-20 |
| | Total Credits | 65-73 |

### Psychology — Core Courses

**Elective Credits** 27-33

| Item # | Title | Semester Hours |
|---|---|---|
| PSYC 101 | Introduction to Psychology as a Natural Science | 4.0 |
| PSYC 102 | Introduction to Psychology as a Social Science | 3.0 |
| PSYC 211 | Research Design in Psychology | 4.0 |
| PSYC 411 | Research in Social Psychology | 4.0 |
| PSYC 450 | Seminar | 3.0 |

## Two Additional Courses in Psychology

Chosen in consultation with advisor.

## One Course From:

| Item # | Title | Semester Hours |
|---|---|---|
| PSYC 460 | Independent Study | 3.0 |
| PSYC 470 | Internship I | 2.0-6 |
| PSYC 480 | Senior Project I | 3.0 |
| PSYC 490 | Honors Project I | 3.0 |

### Choose 1 Statistics Course

**Elective Credits** 4

| Item # | Title | Semester Hours |
|---|---|---|
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

### Contextual and Support Area OR Minor

**Elective Credits** 18-20

## Contextual and Support Area

Five science courses from the disciplines of biology, chemistry, and physics.

The contextual and support area is designed to develop analytical and research skills providing a strong foundation for advanced study.

## Minor

Chosen from biology, chemistry, mathematics, or physics.

## Psychology

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| PSYC 101 | Introduction to Psychology as a Natural Science | 4.0 |
| PSYC 102 | Introduction to Psychology as a Social Science | 3.0 |
| PSYC 211 | Research Design in Psychology | 4.0 |

## Two Additional Courses

In consultation with the department.

## Statistics

| | | |
|---|---|---|
| | Total Credits | 17 |

# Religion and Philosophy

## Philosophy

**Degree Type**
B.A.

## Objectives

To engage students in critical and reflective inquiry; to prepare students for graduate study or for a number of vocational fields.

## Requirements

The senior project requires research, development of a personal methodological stance, and application of analytical skills.

| Item # | Title | Semester Hours |
|---|---|---|
| PHIL 101 | Introduction to Philosophy | 3.0 |
| | PHIL 201 or PHIL 221 | 3 |
| PHIL 211 | History of Ancient and Medieval Philosophy | 3.0 |
| PHIL 212 | History of Modern Philosophy | 3.0 |
| PHIL 231 | Techniques of Reasoning | 3.0 |
| PHIL 314 | 20th Century Philosophy | 3.0 |
| | PHIL 480 or PHIL 490 or PHIL 491 | 3 |
| | Two Additional Courses in Philosophy from 200, 300, or 400 level | 6 |
| | MATH 120 or above, OR STAT 161, STAT 162 or STAT 163 | 3-4 |
| | Total Credits | 30-31 |

### PHIL 201 or PHIL 221

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| PHIL 201 | Ethics | 3.0 |
| PHIL 221 | Health Care Ethics | 3.0 |

### PHIL 480 or PHIL 490 or PHIL 491

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| PHIL 480 | Senior Project | 3.0 |
| PHIL 490 | Honors Thesis | 3.0 |
| PHIL 491 | Honors Thesis II | 3.0 |

### Two Additional Courses in Philosophy from 200, 300, or 400 level

**Elective Credits** 6

Chosen in consultation with the advisor.

### MATH 120 or above, OR STAT 161, STAT 162 or STAT 163

**Elective Credits** 3-4

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 120 | Math for an Informed Citizenry | 3.0 |
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

## Religion-Academic Biblical Studies Track

**Degree Type**
B.A.

## Choose ONE introductory Course

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 111 | Global Religious Landscapes | 3.0 |
| RELG 130 | Introduction to the Bible | 3.0 |
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |
| RELG 200 | Introduction to the Christian Faith | 3.0 |
| RELG 210 | Core Questions in Relgious Studies | 3.0 |

## Choose ONE

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 120 | Math for an Informed Citizenry | 3.0 |
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

## Choose SEVEN courses from the following electives

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 202 | Archaeology & the Bible | 3.0 |
| RELG 203 | History of the Bible | 3.0 |
| RELG 204 | Bibles before The Bible | 3.0 |
| RELG 205 | Jesus and the Gospels | 3.0 |
| RELG 206 | New Testament Letters | 3.0 |
| RELG 207 | Abraham in Text & Tradition | 3.0 |
| RELG 208 | Religions of Ancient Egypt and Mesopotamia | 3.0 |
| RELG 220 | Prophets, Messiahs, & Apocalypticism | 3.0 |
| RELG 222 | Cosmos & Conflict: A History of God and Satan | 3.0 |
| RELG 309 | Judaism- Past and Present | 3.0 |
| RELG 315 | Christianity: Past & Present | 3.0 |
| RELG 320 | Migration in/and the Bible | 3.0 |
| RELG 322 | Justice in/and the Bible | 3.0 |
| RELG 323 | Religion on the Move: Migration, Diaspora, & Pilgramage | 3.0 |
| RELG 324 | The Bible & the Body | 3.0 |
| RELG 356 | Women in Judaism, Christianity, and Islam | 3.0 |
| HIST 232 | Myth Magic Ritual-Ancient World | 3.0 |
| HIST 321 | Ancient Greece | 3.0 |
| HIST 322 | Ancient Rome | 3.0 |
| HIST 350 | Special Topics in History | 3.0 |
| GREK 101 | Beginning Greek I | 3.0 |
| GREK 102 | Beginning Greek II | 3.0 |

## Required Capstone Experiences

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 450 | Senior Seminar | 1.0 |
| RELG 480 | Senior Project | 2.0 |
| | Total Credits | 30-31 |

# Religion-Academic Religious Studies Track

**Degree Type**
B.A.

## Choose ONE introductory Course

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 111 | Global Religious Landscapes | 3.0 |
| RELG 130 | Introduction to the Bible | 3.0 |
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |
| RELG 200 | Introduction to the Christian Faith | 3.0 |
| RELG 310 | History of Christianity | 3.0 |

## Choose ONE

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 120 | Math for an Informed Citizenry | 3.0 |
| STAT 161 | Introduction to Statistics | 4.0 |
| STAT 162 | Introduction to Statistics for the Social Sciences | 4.0 |
| STAT 163 | Introduction to Statistics for the Behavioral Sciences | 4.0 |

## Choose SEVEN courses from the following electives

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 201 | Religious Individual Change | 3.0 |
| RELG 207 | Abraham in Text & Tradition | 3.0 |
| RELG 208 | Religions of Ancient Egypt and Mesopotamia | 3.0 |
| RELG 220 | Prophets, Messiahs, & Apocalypticism | 3.0 |
| RELG 222 | Cosmos & Conflict: A History of God and Satan | 3.0 |
| RELG 223 | Religion, Animals, & the Environment | 3.0 |
| RELG 224 | Cults & New Religious Movements | 3.0 |
| RELG 225 | Religion, Medicine & Healthcare | 3.0 |
| RELG 309 | Judaism- Past and Present | 3.0 |
| RELG 314 | Islam: Past & Present | 3.0 |
| RELG 315 | Christianity: Past & Present | 3.0 |
| RELG 323 | Religion on the Move: Migration, Diaspora, & Pilgramage | 3.0 |
| RELG 345 | Psychological Development and Religious Faith | 3.0 |
| RELG 356 | Women in Judaism, Christianity, and Islam | 3.0 |
| RELG 369 | Religion in Appalachia | 3.0 |
| PHIL 305 | Asian Philosophies | 3.0 |
| CVIN 336 | Religion and American Public Life | 3.0 |
| HIST 232 | Myth Magic Ritual-Ancient World | 3.0 |

## Required Capstone Experiences

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 450 | Senior Seminar | 1.0 |
| RELG 480 | Senior Project | 2.0 |
| | Total Credits | 30-31 |

# Religion-Ministerial Studies Track

**Degree Type**
B.A.

## Choose ONE introductory Course

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 101 | Introduction to Religious Studies | 3.0 |
| RELG 111 | Global Religious Landscapes | 3.0 |
| RELG 130 | Introduction to the Bible | 3.0 |
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |
| RELG 200 | Introduction to the Christian Faith | 3.0 |

## Choose ONE

| Item # | Title | Semester Hours |
|---|---|---|
| MATH 120 | Math for an Informed Citizenry | 3.0 |
| STAT 161 | Introduction to Statistics | 4.0 |

## Required Courses

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 205 | Jesus and the Gospels | 3.0 |
| RELG 206 | New Testament Letters | 3.0 |
| RELG 315 | Christianity: Past & Present | 3.0 |
| RELG 343 | Church and Community Ministries | 3.0 |

## Choose THREE courses from the following electives

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 201 | Religious Individual Change | 3.0 |
| RELG 202 | Archaeology & the Bible | 3.0 |
| RELG 203 | History of the Bible | 3.0 |
| RELG 204 | Bibles before The Bible | 3.0 |
| RELG 207 | Abraham in Text & Tradition | 3.0 |
| RELG 208 | Religions of Ancient Egypt and Mesopotamia | 3.0 |
| RELG 220 | Prophets, Messiahs, & Apocalypticism | 3.0 |
| RELG 222 | Cosmos & Conflict: A History of God and Satan | 3.0 |
| RELG 223 | Religion, Animals, & the Environment | 3.0 |
| RELG 224 | Cults & New Religious Movements | 3.0 |
| RELG 225 | Religion, Medicine & Healthcare | 3.0 |
| RELG 309 | Judaism- Past and Present | 3.0 |
| RELG 320 | Migration in/and the Bible | 3.0 |
| RELG 322 | Justice in/and the Bible | 3.0 |
| RELG 323 | Religion on the Move: Migration, Diaspora, & Pilgramage | 3.0 |
| RELG 324 | The Bible & the Body | 3.0 |
| RELG 325 | Between Heaven & Earth: Space & Place in the Bible | 3.0 |
| RELG 345 | Psychological Development and Religious Faith | 3.0 |
| RELG 356 | Women in Judaism, Christianity, and Islam | 3.0 |
| RELG 369 | Religion in Appalachia | 3.0 |
| HIST 232 | Myth Magic Ritual-Ancient World | 3.0 |
| CVIN 336 | Religion and American Public Life | 3.0 |

## Required Capstone Experiences

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 450 | Senior Seminar | 1.0 |
| RELG 480 | Senior Project | 2.0 |
| | Total Credits | 30-31 |

## Religion-Academic Track

**Degree Type**
Minor

## Choose ONE

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 111 | Global Religious Landscapes | 3.0 |
| RELG 130 | Introduction to the Bible | 3.0 |
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |
| RELG 200 | Introduction to the Christian Faith | 3.0 |
| RELG 210 | Core Questions in Relgious Studies | 3.0 |

## Take FIVE additional courses from the following electives

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 201 | Religious Individual Change | 3.0 |
| RELG 202 | Archaeology & the Bible | 3.0 |
| RELG 203 | History of the Bible | 3.0 |
| RELG 204 | Bibles before The Bible | 3.0 |
| RELG 205 | Jesus and the Gospels | 3.0 |
| RELG 206 | New Testament Letters | 3.0 |
| RELG 207 | Abraham in Text & Tradition | 3.0 |
| RELG 208 | Religions of Ancient Egypt and Mesopotamia | 3.0 |
| RELG 220 | Prophets, Messiahs, & Apocalypticism | 3.0 |
| RELG 222 | Cosmos & Conflict: A History of God and Satan | 3.0 |
| RELG 223 | Religion, Animals, & the Environment | 3.0 |
| RELG 224 | Cults & New Religious Movements | 3.0 |
| RELG 225 | Religion, Medicine & Healthcare | 3.0 |
| RELG 309 | Judaism- Past and Present | 3.0 |
| RELG 314 | Islam: Past & Present | 3.0 |
| RELG 315 | Christianity: Past & Present | 3.0 |
| RELG 320 | Migration in/and the Bible | 3.0 |
| RELG 322 | Justice in/and the Bible | 3.0 |
| RELG 323 | Religion on the Move: Migration, Diaspora, & Pilgramage | 3.0 |
| RELG 324 | The Bible & the Body | 3.0 |
| RELG 325 | Between Heaven & Earth: Space & Place in the Bible | 3.0 |
| RELG 345 | Psychological Development and Religious Faith | 3.0 |
| RELG 356 | Women in Judaism, Christianity, and Islam | 3.0 |
| RELG 369 | Religion in Appalachia | 3.0 |
| HIST 232 | Myth Magic Ritual-Ancient World | 3.0 |
| PHIL 305 | Asian Philosophies | 3.0 |
| CVIN 336 | Religion and American Public Life | 3.0 |
| | Total Credits | 18 |

# Religion-Ministerial Track

**Degree Type**
Minor

## Choose ONE

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 111 | Global Religious Landscapes | 3.0 |
| RELG 130 | Introduction to the Bible | 3.0 |
| RELG 131 | Old Testament Survey | 3.0 |
| RELG 132 | New Testament Survey | 3.0 |
| RELG 200 | Introduction to the Christian Faith | 3.0 |
| RELG 210 | Core Questions in Relgious Studies | 3.0 |

## Required Courses

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 315 | Christianity: Past & Present | 3.0 |
| RELG 343 | Church and Community Ministries | 3.0 |

## Take THREE additional courses from the following electives

| Item # | Title | Semester Hours |
|---|---|---|
| RELG 201 | Religious Individual Change | 3.0 |
| RELG 202 | Archaeology & the Bible | 3.0 |
| RELG 204 | Bibles before The Bible | 3.0 |
| RELG 205 | Jesus and the Gospels | 3.0 |
| RELG 206 | New Testament Letters | 3.0 |
| RELG 207 | Abraham in Text & Tradition | 3.0 |
| RELG 208 | Religions of Ancient Egypt and Mesopotamia | 3.0 |
| RELG 220 | Prophets, Messiahs, & Apocalypticism | 3.0 |
| RELG 222 | Cosmos & Conflict: A History of God and Satan | 3.0 |
| RELG 223 | Religion, Animals, & the Environment | 3.0 |
| RELG 224 | Cults & New Religious Movements | 3.0 |
| RELG 225 | Religion, Medicine & Healthcare | 3.0 |
| RELG 309 | Judaism- Past and Present | 3.0 |
| RELG 320 | Migration in/and the Bible | 3.0 |
| RELG 322 | Justice in/and the Bible | 3.0 |
| RELG 323 | Religion on the Move: Migration, Diaspora, & Pilgramage | 3.0 |
| RELG 324 | The Bible & the Body | 3.0 |
| RELG 325 | Between Heaven & Earth: Space & Place in the Bible | 3.0 |
| RELG 345 | Psychological Development and Religious Faith | 3.0 |
| RELG 356 | Women in Judaism, Christianity, and Islam | 3.0 |
| RELG 369 | Religion in Appalachia | 3.0 |
| HIST 232 | Myth Magic Ritual-Ancient World | 3.0 |
| CVIN 336 | Religion and American Public Life | 3.0 |
| | Total Credits | 18 |

# Social Science

## Applied Data Analysis

**Degree Type**
Concentration

## Objective

The program would allow undergraduate students and non-degree seeking students to gain qualitative and quantitative data analysis skills that prepare them for the world of work. Students who complete the concentration will apply these skills in at least one multi-semester social science research project.

| Item # | Title | Semester Hours |
|---|---|---|
| SOSS 200 | Introduction Research Methods | 4.0 |
| SOSS 301 | Qualitative Research Methods | 4.0 |
| SOSS 302 | Quantitative Research Methods | 4.0 |
| SOSS 450 | Advanced Project I | 1.0-3 |
| SOSS 451 | Advanced Projects II | 1.0-3 |
| | Total Credits | 14-18 |

# Sociology

## Sociology

**Degree Type**
B.A.

## Objective

To introduce students to the theoretical and empirical foundations of sociology and develop their skills in critical evaluation, data collection, and data analysis in order to prepare them for careers in business, policy analysis, program evaluation, or human services as well as for continued study of sociology in graduate programs across the country.

| Item # | Title | Semester Hours |
|---|---|---|
| | Sociology – Core Courses | 25 |
| | Five Courses in Sociology | 15 |
| | Total Credits | 40 |

### Sociology — Core Courses

**Elective Credits** 25

| Item # | Title | Semester Hours |
|---|---|---|
| SOCI 101 | Introduction to Sociology | 3.0 |
| SOSS 200 | Introduction Research Methods | 4.0 |
| | SOSS 301 or SOSS 302 | 4 |
| SOCI 334 | Social Theory | 3.0 |
| SOCI 450 | Seminar | 3.0 |

### Five Courses in Sociology

**Elective Credits** 15

Chosen in consultation with advisor.

## Sociology — Health and Human Services

**Degree Type**
B.A.

## Objective

To introduce students to the theoretical and empirical foundations of sociology and develop their skills in critical evaluation, data collection, and data analysis in order to prepare them to apply a social justice lens to careers in business, policy, or evaluation as well as position them strongly for continued study of sociology and related fields in graduate programs across the country.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | Sociology – Core Courses | 25 |
| SOCI 305 | Problems, Policy, and People | 3.0 |
| SOCI 252 | Sociology of Health | 3.0 |
| SOCI 230 | Environmental Sociology | 3.0 |
| SOCI 221 | Cultures and Peoples | 3.0 |
| PHIL 221 | Health Care Ethics | 3.0 |
| | Total Credits | 40 |

### Sociology — Core Courses

**Elective Credits** 25

| Item # | Title | Semester Hours |
|---|---|---|
| SOCI 101 | Introduction to Sociology | 3.0 |
| SOSS 200 | Introduction Research Methods | 4.0 |
| | SOSS 301 or SOSS 302 | 4 |
| SOCI 334 | Social Theory | 3.0 |
| SOCI 450 | Seminar | 3.0 |

## Sociology

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| | Sociology Minor | 18 |
| | Total Credits | 18 |

## Sociology Minor

**Elective Credits** 18

A student may minor in sociology by completing 101, SOSS 200 and four additional Sociology courses, one of which must be at the three hundred level, and approved by the department chair/advisor.

| Item # | Title | Semester Hours |
|---|---|---|
| SOCI 101 | Introduction to Sociology | 3.0 |
| SOSS 200 | Introduction Research Methods | 4.0 |

# Theatre

The Department of Theatre offers both a major and a minor. In addition, the department offers a cooperative pre-professional program in association with Barter Theatre of Abingdon, Virginia, a professional regional theatre.

There are four specific areas of concentration within the pre-professional program, all of which lead to a B.F.A. degree in theatre.

The department also offers the option of an add-on endorsement for those with teaching licensure or holding an endorsement in another teaching area. Consult the Department of Education for licensure requirements in theatre arts.

## Theatre

**Degree Type**
B.A.

## Objectives

To provide the basis for a lifetime appreciation of the theatre and/or for a professional or educational vocation in the theatre.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | Theatre – Core Courses | 29 |
| | Theatre Electives (14) | 14 |
| | Total Credits | 43 |

## Theatre — Core Courses

**Elective Credits** 29

## THRE 105 or THRE 205

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 105 | Introduction to Acting | 3.0 |
| THRE 205 | Acting I | 3.0 |
| **Item #** | **Title** | **Semester Hours** |
| THRE 110 | Stagecraft | 3.0 |
| THRE 270 | Script Analysis | 3.0 |
| THRE 320 | Theatre History I | 3.0 |
| THRE 401 | Theatre Practicum - Performance | 0.5 |
| THRE 402 | Theatre Practicum - Shops | 0.5 |
| THRE 403 | Theater Practicum - Run Crews | 0.5 |
| THRE 404 | Theatre Practicum - Leadership | 0.5 |
| THRE 480 | Professional Theatre Experience | 1.0 |
| | One additional Performance Studies Elective | 3 |
| | MATH 120 or higher | 3 |

## Theatre Electives (14)

**Elective Credits** 14

Chosen in consultation with advisor.

## Theatre — Dance

**Degree Type**
B.A.

## Objectives

To provide the basis for a lifetime appreciation of dance and/or for a professional or educational vocation in dance.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | Theatre – Core Courses | 29 |
| | Dance – Core Courses | 18 |
| | Additional Dance Technique | 4 |
| | Total Credits | 51 |

## Theatre — Core Courses

**Elective Credits** 29

## THRE 105 or THRE 205

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 105 | Introduction to Acting | 3.0 |
| THRE 205 | Acting I | 3.0 |

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 110 | Stagecraft | 3.0 |
| THRE 270 | Script Analysis | 3.0 |
| THRE 320 | Theatre History I | 3.0 |
| THRE 401 | Theatre Practicum - Performance | 0.5 |
| THRE 402 | Theatre Practicum - Shops | 0.5 |
| THRE 403 | Theater Practicum - Run Crews | 0.5 |
| THRE 404 | Theatre Practicum - Leadership | 0.5 |
| THRE 480 | Professional Theatre Experience | 1.0 |
| | One additional Performance Studies Elective | 3 |
| | MATH 120 or higher | 3 |

## Dance — Core Courses

**Elective Credits** 18

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 109 | Intro. to Dance Artistry | 3.0 |
| THRE 306 | Movement in Global | 3.0 |
| THRE 307 | Dance Repertoire | 3.0 |
| THRE 308 | Dance Composition | 3.0 |
| | THRE 216-219, 317-319, or 416-419 | 6 |
| HHP 261 | Applied Anatomy & Kinesiology | 3.0 |

## Additional Dance Technique

**Elective Credits** 4

At least 2 from THRE 416-419

# Theatre Arts — Directing and Stage Management

**Degree Type**
B.F.A.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | Theatre B.F.A. Core Courses | 47 |
| THRE 272 | Stage Management | 3.0 |
| THRE 314 | Principles of Play Directing | 3.0 |
| THRE 415 | The Business of Theatre | 3.0 |
| THRE 404 | Theatre Practicum - Leadership | 0.5 |
| | Performance Elective (3) | 3 |
| | Production and Design Elective | 3 |
| | Theatre Electives (1) | 1 |
| | Total Credits | 63.5 |

## Theatre B.F.A. Core Courses

**Elective Credits** 47

| Item # | Title | Semester Hours |
|---|---|---|
| | Theatre – Core Courses | 29 |
| THRE 210 | Intro to Design | 3.0 |
| THRE 282 | Barter Observationship | 1.0 |
| | THRE 272 or THRE 314 | 3 |
| | Two Additional Credits of THRE 401-404 | 2 |
| | Two Additional Credits of THRE 480 | 2 |

## Two Additional Performance Studies Electives

| Item # | Title | Semester Hours |
|---|---|---|
| | Performance Studies Electives | |

## Performance Elective (3)

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| | Performance Electives | |

## Production and Design Elective

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| | Production and Design Electives | |

## Theatre Electives (1)

**Elective Credits** 1

Chosen in consultation with advisor.

# Theatre Arts — Performance

**Degree Type**
B.F.A.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | Theatre B.F.A. Core Courses | 47 |
| THRE 206 | Acting II | 3.0 |
| THRE 245 | Voice for the Stage | 3.0 |
| THRE 305 | Acting III | 3.0 |
| | Performance Elective (6) | 6 |
| | Theatre Electives (1) | 1 |
| | Total Credits | 63 |

### Theatre B.F.A. Core Courses

**Elective Credits** 47

| Item # | Title | Semester Hours |
|---|---|---|
| | Theatre – Core Courses | 29 |
| THRE 210 | Intro to Design | 3.0 |
| THRE 282 | Barter Observationship | 1.0 |
| | THRE 272 or THRE 314 | 3 |
| | Two Additional Credits of THRE 401-404 | 2 |
| | Two Additional Credits of THRE 480 | 2 |

### Two Additional Performance Studies Electives

| Item # | Title | Semester Hours |
|---|---|---|
| | Performance Studies Electives | |

### Performance Elective (6)

**Elective Credits** 6

| Item # | Title | Semester Hours |
|---|---|---|
| | Performance Electives | |

### Theatre Electives (1)

**Elective Credits** 1

Chosen in consultation with advisor.

## Theatre Arts — Production and Design

**Degree Type**
B.F.A.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | Theatre B.F.A. Core Courses | 47 |
| THRE 209 | Drafting & 3D Design for Theatre | 3.0 |
| THRE 404 | Theatre Practicum - Leadership | 0.5 |
| | Production and Design Electives (9) | 9 |
| | Theatre Electives (1) | 1 |
| | Total Credits | 60.5 |

### Theatre B.F.A. Core Courses

**Elective Credits** 47

| Item # | Title | Semester Hours |
|---|---|---|
| | Theatre – Core Courses | 29 |
| THRE 210 | Intro to Design | 3.0 |
| THRE 282 | Barter Observationship | 1.0 |
| | THRE 272 or THRE 314 | 3 |
| | Two Additional Credits of THRE 401-404 | 2 |
| | Two Additional Credits of THRE 480 | 2 |

### Two Additional Performance Studies Electives

| Item # | Title | Semester Hours |
|---|---|---|
| | Performance Studies Electives | |

### Production and Design Electives (9)

**Elective Credits** 9

| Item # | Title | Semester Hours |
|---|---|---|
| | Production and Design Electives | |

### Theatre Electives (1)

**Elective Credits** 1

Chosen in consultation with advisor.

## Theatre — Musical Theatre

**Degree Type**
B.F.A.

A student who wishes to pursue the pre-professional degree will choose one of the two tracks listed below. Students in all tracks will take a set of common courses.

## Entrance audition/portfolio review/ interview

To enter the BFA track, students must demonstrate promise of preprofessional abilities at at entrance audition/portfolio review and interview. In this audition/portfolio review students must demonstrate proficiency in their particular area of focus. The faculty will then determine if the student is eligible for the program. Students may audition for the BFA tracks prior to beginning at E&H college, or may petition the department to be admitted to the program after beginning at a yearly spring date. See department for specific information on requirements.

## Jury requirements

All BFA students must jury yearly in front of department faculty to demonstrate sufficient progress in their pursuit of the BF A degree. Jury requirements will be set by the faculty and sent out to the students well in advance of the scheduled jury. Students may have one of 3 results in a jury: Pass, Probation or Fail. Students who are making satisfactory progress to their degree will pass their jury and will not need to jury again until the following year. Students who are not making satisfactory progress to their degree will be placed first on probation. A student on probation must re-jury the following semester. If at that time the student has not addressed the concerns of the faculty, the student will fail their jury and be removed from the BFA program. Students can appeal this decision in writing to the chair, and may be granted the opportunity to petition their way back into the degree in the following spring. Additional time to graduation may be required at that time.

| Item # | Title | Semester Hours |
|---|---|---|
| | Theatre — Core Courses | 29 |
| THRE 206 | Acting II | 3.0 |
| | THRE 211 or THRE 411 | 6 |
| | THRE 216 or THRE 416 | 1 |
| | THRE 217, THRE 317 or THRE 417 | 1-3 |
| | THRE 218, THRE 318, or THRE 418 | 1-3 |
| | THRE 219, THRE 319, or THRE 419 | 1-3 |
| | Additional Dance Technique Elective (1) | 1 |
| THRE 245 | Voice for the Stage | 3.0 |
| THRE 282 | Barter Observationship | 1.0 |
| THRE 335 | Musical Theatre | 3.0 |
| THRE 336 | Musical Theatre History | 3.0 |
| | Two Additional Credits of THRE 401-404 | 2 |
| | Two Additional Credits of THRE 480 | 2 |
| | MUSP 110A or MUSP 211 | 1 |
| MUSC 152 | Music Theory I | 3.0 |
| | Total Credits | 61-67 |

## Theatre — Core Courses

**Elective Credits** 29

### THRE 105 or THRE 205

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 105 | Introduction to Acting | 3.0 |
| THRE 205 | Acting I | 3.0 |

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 110 | Stagecraft | 3.0 |
| THRE 270 | Script Analysis | 3.0 |
| THRE 320 | Theatre History I | 3.0 |
| THRE 401 | Theatre Practicum - Performance | 0.5 |
| THRE 402 | Theatre Practicum - Shops | 0.5 |
| THRE 403 | Theater Practicum - Run Crews | 0.5 |
| THRE 404 | Theatre Practicum - Leadership | 0.5 |
| THRE 480 | Professional Theatre Experience | 1.0 |
| | One additional Performance Studies Elective | 3 |
| | MATH 120 or higher | 3 |

### THRE 211 or THRE 411

**Elective Credits** 6

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 211 | Musical Theatre Voice Private | 1.0 |
| THRE 411 | Advanced Voice | 1.0 |

### THRE 216 or THRE 416

**Elective Credits** 1

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 216 | Beginning Ballet | 1.0 |
| THRE 416 | Advanced Ballet | 1.0 |

### THRE 217, THRE 317 or THRE 417

**Elective Credits** 1-3

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 217 | Beginning Jazz | 1.0 |
| THRE 317 | Intermediate Tap | 1.0 |
| THRE 417 | Advanced Jazz | 1.0 |

### THRE 218, THRE 318, or THRE 418

**Elective Credits** 1-3

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 218 | Beginning Tap | 1.0 |
| THRE 318 | Intermediate Jazz | 1.0 |
| THRE 418 | Advanced Tap | 1.0 |

### THRE 219, THRE 319, or THRE 419

**Elective Credits** 1-3

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 219 | Beginning Musical Theatre Styles | 1.0 |
| THRE 319 | Intermediate Musical Theatre Styles | 1.0 |
| THRE 419 | Advanced Musical Theatre Styles | 1.0 |

### Additional Dance Technique Elective (1)

**Elective Credits** 1

### Two Additional Credits of THRE 401-404

**Elective Credits** 2

### Two Additional Credits of THRE 480

**Elective Credits** 2

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 480 | Professional Theatre Experience | 1.0 |

### MUSP 110A or MUSP 211

**Elective Credits** 1

| Item # | Title | Semester Hours |
|---|---|---|
| MUSP 110A | Piano Class I | 1.0 |
| MUSP 211 | Intermediate Piano - Private | 1.0 |

## Theatre

**Degree Type**
Minor

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| | THRE 401-404 Theatre Practicum | 3 |
| | Theatre Electives (15) | 15 |
| | Total Credits | 18 |

### THRE 401-404 Theatre Practicum

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 401 | Theatre Practicum - Performance | 0.5 |
| THRE 402 | Theatre Practicum - Shops | 0.5 |
| THRE 403 | Theater Practicum - Run Crews | 0.5 |
| THRE 404 | Theatre Practicum - Leadership | 0.5 |

### Theatre Electives (15)

**Elective Credits** 15

Chosen in consultation with advisor.

## Theatre — Dance

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| | Dance – Core Courses | 18 |
| | Total Credits | 18 |

### Dance — Core Courses

**Elective Credits** 18

| Item # | Title | Semester Hours |
|---|---|---|
| THRE 109 | Intro. to Dance Artistry | 3.0 |
| THRE 306 | Movement in Global | 3.0 |
| THRE 307 | Dance Repertoire | 3.0 |
| THRE 308 | Dance Composition | 3.0 |
| | THRE 216-219, 317-319, or 416-419 | 6 |
| HHP 261 | Applied Anatomy & Kinesiology | 3.0 |

# Women and Gender Studies

## Women and Gender Studies

**Degree Type**
Minor

## Co-Directors

Kelly Bremner
Christine M. Fleet
Shelley Koch

## Objective

To examine the history and current status of gender issues, providing theoretical and practical experience in a variety of areas.

## Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| WGST 200 | Intro. to Women and Gender Studies | 3.0 |

## Five Additional Courses Chosen from the Women's Studies Offerings Listed Below

Students may take no more than two courses in the same discipline.

| Item # | Title | Semester Hours |
|---|---|---|
| WGST 250 | Women and Media | 3.0 |
| WGST 300 | Race, Class, Gender & Sexuality | 3.0 |
| WGST 309 | Studies in U.S. Women's History | 3.0 |
| WGST 337 | Women and Politics | 3.0 |
| WGST 350 | Special Topics in Women & Gender Studies | 3.0 |
| WGST 356 | Women and Christianity | 3.0 |
| WGST 460 | Independent Study | 3.0 |
| WGST 470 | Internship I | 1.0-6 |
| WGST 471 | Internship II | 1.0-6 |
| BIOL 300 | Genetics | 4.0 |
| ECON 330 | Labor Economics | 3.0 |
| GEOG 111 | Human Geography | 3.0 |
| HHP 201 | Women, Sport, and Culture | 3.0 |
| SOCI 242 | Gender and Sexuality | 3.0 |
| SOCI 250 | Food and Justice | 3.0 |
| SOCI 251 | Body in Society | 3.0 |
| THRE 322 | American Theatre | 3.0 |
| | Total Credits | 18 |

# World Languages

## Hispanic Studies

**Degree Type**
B.A.

**Objective:** To provide students an interdisciplinary framework for the study of the history, literature, and film of the Spanish-speaking world. To become proficient in the four communication goals in Spanish (listening, reading, speaking, and writing) and the cultural component.

The senior project is met by 450.

Students pursuing a double major must complete: 101, 102 ,201, 202A, 301, 302A, 401 ST, 402 ST and 450.

| Item # | Title | Semester Hours |
|---|---|---|
| SPAN 101 | Beginning Spanish I | 4.0 |
| SPAN 102 | Beginning Spanish II | 4.0 |
| SPAN 201 | Intermediate Spanish I | 3.0 |
| SPAN 202A | Communication in the Hispanic World | 3.0 |
| SPAN 301 | Advanced Grammar & Expressions of Culture | 3.0 |
| SPAN 302A | Intro to Hispanic Literature & Film | 3.0 |
| SPAN 330 | Study Abroad Program | 3.0 |
| SPAN 331 | Study Abroad Program | 3.0 |
| | Four Courses from SPAN 350, SPAN 401ST, and SPAN 402ST | 4-12 |
| SPAN 450 | Senior Seminar | 3.0 |
| | MATH 121 or Higher | 3 |
| | Total Credits | 36-44 |

### Four Courses from SPAN 350, SPAN 401ST, and SPAN 402ST

**Elective Credits** 4-12

| Item # | Title | Semester Hours |
|---|---|---|
| SPAN 350 | Special Topics | 3.0 |
| SPAN 401ST | Special Topics | 3.0 |
| SPAN 402ST | Special Topics | 3.0 |

### MATH 121 or Higher

**Elective Credits** 3

## Spanish - Teacher Preparation

**Degree Type**
B.A.

Objective: To enable students to meet Virginia requirements for licensure to teach Spanish.

The student should select core courses to meet state licensure requirements while fulfilling college graduation requirements.

Education 440,441, and 450 are taken in the professional semester.

Student Teaching is the senior project for teacher preparation, but individual departments may have additional senior project requirements.

## Department Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| SPAN 101 | Beginning Spanish I | 4.0 |
| SPAN 102 | Beginning Spanish II | 4.0 |
| SPAN 201 | Intermediate Spanish I | 3.0 |
| SPAN 202A | Communication in the Hispanic World | 3.0 |
| SPAN 301 | Advanced Grammar & Expressions of Culture | 3.0 |
| SPAN 302A | Intro to Hispanic Literature & Film | 3.0 |
| SPAN 330 | Study Abroad Program | 3.0 |
| SPAN 331 | Study Abroad Program | 3.0 |
| SPAN 407 | Teacher Preparation | 3.0 |
| POLS 255 | Politics of Latin America | 3.0 |
| | MATH 121 or Higher | 3 |

## Licensure Requirements

| Item # | Title | Semester Hours |
|---|---|---|
| EDUC 114 | Introduction to Education | 1.0 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 115 | Early Field Experience | 0.5 |
| EDUC 305 | Human Growth and Development | 3.0 |
| EDUC 324 | Assessing for Learning | 3.0 |
| EDUC 370 | Survey of Exceptional Children | 3.0 |
| EDUC 401 | Practicum in Education | 2.0 |
| EDUC 440 | Seminar: Teaching Secondary School | 2.0 |
| EDUC 441 | Supervised Teaching-Secondary School | 10.0 |
| EDUC 445 | Foundations of Education | 3.0 |
| EDUC 449 | Reading & Writing in Content Areas | 3.0 |
| EDUC 450 | Curriculum&instruct in Sec School | 3.0 |
| | HIST 111 or HIST 112 | 3 |
| STAT 161 | Introduction to Statistics | 4.0 |
| | HHP 231 or HHP 232 or HHP 251 | 3 |
| | Total Credits | 79 |

### MATH 121 or Higher

**Elective Credits** 3

### HIST 111 or HIST 112

**Elective Credits** 3

| Item # | Title | Semester Hours |
|---|---|---|
| HIST 111 | American History to 1861 | 3.0 |
| HIST 112 | American History Since 1861 | 3.0 |

### HHP 231 or HHP 232 or HHP 251

**Elective Credits** 3

One course from:

| Item # | Title | Semester Hours |
|---|---|---|
| HHP 231 | Personal Health | 3.0 |

## Spanish

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| SPAN 101 | Beginning Spanish I | 4.0 |
| SPAN 102 | Beginning Spanish II | 4.0 |
| SPAN 201 | Intermediate Spanish I | 3.0 |
| SPAN 202A | Communication in the Hispanic World | 3.0 |
| SPAN 301 | Advanced Grammar & Expressions of Culture | 3.0 |
| SPAN 302A | Intro to Hispanic Literature & Film | 3.0 |
| | Total Credits | 20 |

## World Language other than Spanish

**Degree Type**
Minor

| Item # | Title | Semester Hours |
|---|---|---|
| | World Language Course - 101 | 3 |
| | World Language Course - 102 | 3 |
| | World Language Course - 201 | 3 |
| | Three Additional World Language Courses, Two of which on the 300- or 400-level | 9 |
| | Total Credits | 18 |

### World Language Course - 101

**Elective Credits** 3

### World Language Course - 102

**Elective Credits** 3

### World Language Course - 201

**Elective Credits** 3

Three Additional World Language Courses, Two of which on the 300- or 400-level

**Elective Credits** 9

# Courses

## Animal Science

**ANSC 100 : Introduction to Animal Science**
The use of animals in relation to agriculture and to the health and nutrition of a modern society. Livestock terminology, selection, reproduction, nutrition, management, marketing, and species characteristics of beef and dairy cattle, swine, sheep, goats and horses.
**Semester Hours** 4.0

**ANSC 200 : Domestic Animal Anatomy and Physiology**
This course is designed to review the anatomy of domestic farm animals. This course is also designed to discuss the physiology of the various systems in common to all species and the differences in form and function where they exist.
**Semester Hours** 4.0
**Prerequisites**
ANSC 100 or instructor permission.

**ANSC 300 : Animal Nutrition and Feeding**
Digestive anatomy of various species and the classes of nutrients including their digestion, metabolism and sources. Nutrient requirements and feeding standards for livestock, companion animals, exotics and aquatics for purposes of reproduction, lactation, growth, work and maintenance. Classes of feedstuffs, their characteristics, proper utilization, formulating rations and nutritional programs for animal enterprise.
**Semester Hours** 4.0
**Prerequisites**
ANSC 100 or instructor permission.

**ANSC 301 : Animal Breeding and Genetics**
Evaluation and selection of beef cattle, sheep, and swine: critical analysis of performance records and genetic evaluations. Selection systems used in the improvement of domestic animals with an emphasis on livestock.
**Semester Hours** 4.0
**Prerequisites**
ANSC 100 or instructor permission.

**ANSC 400 : Animal Health and Disease**
Basic herd health including vaccinations and parasite control for domestic animals. Characteristics, symptoms and prevention of disease for domestic animals will be covered.
**Semester Hours** 3.0
**Prerequisites**
ANSC 100 or instructor permission.

**ANSC 470 : Animal Science Internship**
Students will complete required internship hours shadowing in both large animal and small animal veterinary practices.
**Semester Hours** 2.0
-6
**Prerequisites**
ANSC 100.

# Art

## Mission

The Art department at Emory & Henry University prepares students for a variety of career and graduate school opportunities by educating them to understand and apply the creative process.

## Values

We believe that the connections students find in the study of art create an understanding of historical perspectives, contemporary issues, and relationships inherent in art and life. We aim to provide an intensive study of the visual arts and their histories in which students will use creative problem-solving skills to understand and express visual language. We foster an environment where students can develop their abilities and confidence to conceive and analyze. and understand works of art in a variety of forms.

**ART 111 : Introduction to Art and Design**
Introduction to the basic materials and concepts of the visual arts through two-dimensional design projects. Art examples selected from representative historical periods integrated with laboratory experiences. Emphasis on visual problem solving, vocabulary of art, and craftsmanship in the use of materials.
**Semester Hours** 3.0

**ART 112 : Three-Dimensional Design**
Emphasis on three-dimensional experiences and expression. Art examples selected from representative historical periods integrated with laboratory experiences.
**Semester Hours** 3.0

**ART 151 : Drawing**
Fundamentals of observational and conceptual drawing processes. Art elements and principles explored through a variety of black and white drawing media with a focus on still life, landscape, perspective, and figure drawing.
**Semester Hours** 3.0

**ART 200 : Figure Drawing**
Drawing the figure using a variety of media and approaches with attention to proportion, structure, anatomy, movement, and expressive quality.
**Semester Hours** 3.0
**Prerequisites**
ART 151.

### ART 202 : Professional Arts Engagement I

The world of work in the visual arts, professional engagement with artistic communities including educational systems, museum settings, graphic design, for-profit and not-for-profit galleries, networking and navigating in creative economies. Art majors only.
**Semester Hours** 1.0
**Prerequisites**
Art major.

### ART 205 : Photography I

Cameras, shutters, exposure meters, enlargers, lenses, filters, and lighting. Developing, black and white printing, and enlarging. Developers and fixers. Close-up photography, special techniques, and effects.
**Semester Hours** 3.0

### ART 206 : Digital Photography I

Techniques and processes of digital image-making with cameras, including image capture, manipulation, work flow, organization, and digital printing. Emphasizes professional standards, technical proficiency, and individual artistic expression.
**Semester Hours** 3.0

### ART 210 : Visual Arts Computing

Use of personal computers and discipline-related software as aids in visual design.
**Semester Hours** 3.0

### ART 215 : Web Design

Visual design, navigation development, communication, and authoring of websites.
**Semester Hours** 3.0

### ART 221 : History of Western Art I

Chronological survey of major periods through pre-Renaissance. Representative works in painting, sculpture, and architecture studied in context of parent cultures.
**Semester Hours** 3.0

### ART 222 : History of Western Art II

Chronological survey of major periods from the Renaissance to the current period. Representative works in painting, sculpture, architecture, and contemporary media studied in context of parent cultures.
**Semester Hours** 3.0

### ART 231 : Ceramics I

Exploration of hand-building and introduction to wheel-throwing processes involved in producing pottery. Students will develop a working knowledge of firing, glazing, and throwing techniques.
**Semester Hours** 3.0

### ART 241 : Crafts I

Introduction to a variety of craft materials and techniques. Emphasis on crafts as an artistic, educational, and recreational resource and as a part of Appalachian culture.
**Semester Hours** 3.0

### ART 255 : Painting I

Techniques in oil/acrylic media in still life, landscape, figure, and portraiture. Emphasis on perceptual and technical development in relation to color theory, art theory, history, and studio practices.
**Semester Hours** 3.0
**Prerequisites**
ART 151

### ART 265 : Museum Studies

Working theoretical knowledge related to the history and philosophy of museums, as well as an introduction to the "hands on" skills of exhibition practice. Student application of knowledge and skills toward future work and studies in the field of museums.
**Semester Hours** 3.0

### ART 302 : Professional Arts Engagement II

The world of work in the visual arts, professional engagement with artistic communities including educational systems, museum settings, graphic design, for-profit and not-for-profit galleries, networking and navigating in creative economies.
**Semester Hours** 1.0
**Prerequisites**
ART Major

### ART 305 : Photography II

Black and white photography applications: portraits, flash, studio and location lighting, quality control, special films and developers, photojournalism, advertising photography, and photography as fine art.
**Semester Hours** 3.0
**Prerequisites**
ART 205

### ART 310 : Graphic Design

Fundamentals of digital visual communication and modern advertising techniques. Emphasis on computer design, layout, typography, and reproduction.
**Semester Hours** 3.0
**Prerequisites**
ART 210

### ART 312 : Sculpture

Additive and subtractive processes in a variety of media with an emphasis on three-dimensional expression.
**Semester Hours** 3.0
**Prerequisites**
ART 112

### ART 321 : 20th Century Art and Theory

Study of the Modernist and Postmodernist movements. Examination of art styles including Post-Impressionism through Conceptual Art. Theories of Fry, Bell, Greenberg, Langer, Derrida, Foucault, and others within the context of visual art developments.
**Semester Hours** 3.0

### ART 322 : Italian Art

Study in Rome, Pompeii, and Florence. Art history of Italy traced from antiquity through Baroque times, with emphasis on architecture, sculpture, and painting. Students will be responsible for travel expenses to locations abroad.
**Semester Hours** 3.0
**Prerequisites**
Instructor permission.

### ART 331 : Ceramics II

Intermediate studio practices and theory in forming, firing, and glazing clay-ware and sculpture with an emphasis on individual instruction.
**Semester Hours** 3.0
**Prerequisites**
ART 231

### ART 345 : Printmaking I

Relief and intaglio processes and history. Experimentation with traditional and experimental techniques that define the uniqueness of artistic reproduction.
**Semester Hours** 3.0
**Prerequisites**
ART 111

### ART 356 : Painting II

Painting problems with an emphasis on concept and media experimentation.
**Semester Hours** 3.0
**Prerequisites**
ART 255

### ART 370 : Special Studies - Photography

Advanced topics in photography. A significant amount of mature work will be produced.
**Semester Hours** 3.0
**Prerequisites**
Junior status, departmental and instructor permission.

### ART 371 : Special Studies - Painting

Advanced topics in painting. A significant amount of mature work will be produced.
**Semester Hours** 3.0
**Prerequisites**
Junior status, departmental and instructor permission.

### ART 372 : Special Studies - Ceramics

Advanced topics in ceramics. A significant amount of mature work will be produced.
**Semester Hours** 3.0
**Prerequisites**
Junior status, departmental and instructor permission.

### ART 373 : Special Studies - Crafts

Advanced topics in crafts. A significant amount of mature work will be produced.
**Semester Hours** 3.0
**Prerequisites**
Junior status, departmental and instructor permission.

### ART 374 : Special Studies - Graphics

Advanced topics in graphics. A significant amount of mature work will be produced.
**Semester Hours** 3.0
**Prerequisites**
Junior status, departmental and instructor permission.

### ART 375 : Special Studies - Sculpture

Advanced topics in sculpture. A significant amount of mature work will be produced.
**Semester Hours** 3.0
**Prerequisites**
Junior status, departmental and instructor permission.

### ART 376 : Special Studies - Art History

Advanced topics in art history. A significant amount of mature work will be produced.
**Semester Hours** 3.0
**Prerequisites**
Junior status, departmental and instructor permission.

### ART 401 : Art Seminar I

Professional course serving as a format for the development and execution of the departmentally required senior exhibition along with the necessary professional materials, including resumés, artist's statements, slides, portfolios, exhibition proposals, exhibition installations, presentation of work, labeling, shipping, and tax implications. Semester prior to senior exhibition.
**Semester Hours** 0.5
**Prerequisites**
ART major.

### ART 402 : Art Seminar II

Professional course serving as a format for the development and execution of the departmentally required senior exhibition along with the necessary professional materials, including resumés, artist's statements, slides, portfolios, exhibition proposals, exhibition installations, presentation of work, labeling, shipping, and tax implications. Semester during senior exhibition.
**Semester Hours** 0.5
**Prerequisites**
ART 401: Art Seminar I
ART major.

### ART 405 : Advanced Photography I

A study of photography, with emphasis on advanced strategies for exploring issues of thematic concern. Focus on individual artistic development and expression taken to higher professional standards. A significant amount of mature work must be produced.
**Semester Hours** 3.0
**Prerequisites**
ART 305

### ART 406 : Advanced Photography II

A study of photography, with emphasis on advanced strategies for exploring issues of thematic concern. Focus on individual artistic development and expression taken to higher professional standards. A significant amount of mature work must be produced.
**Semester Hours** 3.0
**Prerequisites**
ART 305

### ART 410 : Advanced Digital Art I

A study of digital art, with emphasis on advanced strategies for exploring issues of thematic concern. Focus on individual artistic development and expression taken to higher professional standards. A significant amount of mature work must be produced.
**Semester Hours** 3.0
**Prerequisites**
ART 310

### ART 445 : Advanced Printmaking I

A study of printmaking, with emphasis on advanced strategies for exploring issues of thematic concern. Focus on individual artistic development and expression taken to higher professional standards. A significant amount of mature work must be produced.
**Semester Hours** 3.0

### ART 446 : Advanced Printmaking II

A study of printmaking, with emphasis on advanced strategies for exploring issues of thematic concern. Focus on individual artistic development and expression taken to higher professional standards. A significant amount of mature work must be produced.
**Semester Hours** 3.0

### ART 455 : Advanced Painting/Drawing I

A study of painting and/or drawing, with emphasis on advanced strategies for exploring issues of thematic concern. Focus on individual artistic development and expression taken to higher professional standards. A significant amount of mature work must be produced.
**Semester Hours** 3.0
**Prerequisites**
ART 255

### ART 456 : Advanced Painting/Drawing II

A study of painting and/or drawing, with emphasis on advanced strategies for exploring issues of thematic concern. Focus on individual artistic development and expression taken to high professional standards. A significant amount of mature work must be produced.
**Semester Hours** 3.0
**Prerequisites**
ART 255

### ART 460 : Independent Study

Advanced study for individual students at the senior level who wish to work on a major problem in art under the supervision of a faculty member.
**Semester Hours** 1.0
-4
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### ART 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Junior or senior status, GPA of 2.0 or higher.

### ART 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Junior or senior status, GPA of 2.0 or higher.

# Biology

### BIOL 100 : Introduction to Biology and Chemistry

This course introduces students to foundational biology and chemistry concepts with an emphasis on the relationship between the two. In addition, the course will focus on techniques and study strategies which are key to success in the Natural Sciences.
**Semester Hours** 3.0

### BIOL 105 : Introduction to College Biology

Origin, evolution, and diversity of life; basic biological chemistry; cell structure; energy metabolism; and basic genetics. Not intended for potential science majors. Three lecture hours and three laboratory hours.
**Semester Hours** 4.0

### BIOL 117 : General Biology

Origin and evolution of life, basic life chemistry, the cell, energy, basic genetics, and ecology. Three lecture hours and three laboratory hours.
**Semester Hours** 4.0
**Prerequisites**
STEM 100

### BIOL 120 : Integrated Human Anatomy and Physiology I

This is the first part of a two-part Anatomy and Physiology Course sequence. In this section, the anatomy and physiology of integumentary, muscular, skeletal, nervous, and endocrine systems will be covered, as well as the basic chemistry, molecular, and cellular biology necessary to understand the structure and function of the human body. Many key concepts will be carried over into BIOL 121 (A and P II). For those in health fields, this information will serve as the foundation for most of your courses.
**Semester Hours** 4.0
**Prerequisites**
Grade of 'C' or higher in BIOL 117.

### BIOL 121 : Integrated Human Anatomy and Physiology II

This is the second part of a two-part Anatomy and Physiology Course sequence. In this section, the anatomy and physiology of Lymphatic and Immune, Circulatory, Respiratory, Excretory (Urinary), Digestive, and Reproductive systems necessary to understand the structure and function of human body will be covered. Many key concepts will be carried over from BIOL 120 (A and P I) focusing on the integration of all systems. For those in health fields, this information will serve as the foundation for most of your courses.
**Semester Hours** 4.0
**Prerequisites**
Grade of 'C' or higher in BIOL 120.

### BIOL 123 : Biological Anthropology

Human evolutionary origins and biology examined through a lens of comparative anatomy, the fossil record, genomics, paleoecology, evolutionary psychology, and cultural evolution. Emphasis will be placed on understanding adaptations of the human lineage through time, especially bipedalism, manual dexterity, dietary adaptations, life cycle adaptations, and brain growth.
**Semester Hours** 4.0

### BIOL 201 : Organismal Biology

Survey of biological diversity with discussion of morphology, anatomy, reproduction, and evolution as related to classification. The ecological and economic significance of organisms are discussed briefly.
**Semester Hours** 4.0
**Prerequisites**
Grade of 'C' or better in BIOL 117, or Instructor permission.

### BIOL 207 : Biological Investigation II

Introduction to the scientific literature, survey of equipment and techniques used in biological research, biological sampling, and principles of experimental design. Culminates in the production of a scientific research proposal.
**Semester Hours** 2.0
**Prerequisites**
BIOL 117 or instructor permission.

### BIOL 225 : Plant Taxonomy

Classification and identification of common and economically important plant families with attention to ecological associations; study of regional and greenhouse specimens.
**Semester Hours** 4.0
**Prerequisites**
BIOL 201 or instructor permission.

### BIOL 232 : General Microbiology With Lab

A study of non-pathogenic and pathogenic microorganisms designed primarily for students in the BSN Program. Topics covered include: microbial characteristics, systematics, phylogeny and evolution of microorganisms, control of microorganisms, immune defenses of the host, and cause, prevention, and control of infectious diseases. Must be taken with BIOL 232 laboratory.
**Semester Hours** 4.0
**Prerequisites**
Grade of 'C' grade or higher in BIOL 117.
**Corequisites**
BIOL 232 Lab

### BIOL 240 : Global Change and Arctic Biology

Exploration of the ecological impacts of climate change through Arctic field biology. Includes a survey of Arctic ecosystems, with emphasis on the interaction between climate and the ecology of Arctic organisms. Following a semester-long survey of the natural history of the Arctic, students will complete field projects during an expedition above the Arctic Circle.
**Semester Hours** 4.0
**Prerequisites**
Instructor permission and one course from the following: BIOL 105 or BIOL 117, ESCI 112, ENVS 100, or GEOG 311.

### BIOL 245 : Applied Ecology and Field Biology

This course will cover ecology concepts and discuss human interactions within each level of ecology (population, community, and ecosystem ecology). We will focus on applying ecological concepts in laboratory and field studies, and experience how ecologists and field biologists design, carry out, and communicate scientific research.
**Semester Hours** 4.0

### BIOL 275 : Vertebrate Zoology

Examines the systematics, taxonomy, identification, and natural history of vertebrate organisms. Major evolutionary trends leading to the complex design, form and function of vertebrate taxa will be covered employing an integrative approach. Laboratory will cover anatomy, field identification, habitat characteristics, collection, and preparatory techniques focusing on vertebrates of the southern Appalachians.
**Semester Hours** 4.0
**Prerequisites**
BIOL 201 or instructor permission.

### BIOL 285 : Research Experience I

Hands-on research experience through assistance in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
BIOL 117 and permission of the faculty member directing the project.

### BIOL 286 : Research Experience II

Hands-on research experience through assistance in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
BIOL 117 and permission of the faculty member directing the project.

### BIOL 287 : Research Experience III

Hands-on research experience through assistance in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
BIOL 117 and permission of the faculty member directing the project.

### BIOL 288 : Research Experience IV

Hands-on research experience through assistance in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
BIOL 117 and permission of the faculty member directing the project.

### BIOL 300 : Genetics

Heredity, cytogenetics, population dynamics, DNA structure and function. This course satisfies the proficiency requirements for Ethical Reasoning and Quantitative Literacy in the disciplines.
**Semester Hours** 4.0
**Lab Hours** 4
**Prerequisites**
Grade of 'C' or better in BIOL117, sophomore status, and BIOL 201, or instructor permission.
**Corequisites**
BIOL 201

### BIOL 307 : Junior Seminar

Focus on current topics in biology, with emphasis on developing student research, written review of primary literature, oral communication skills, and peer and faculty feedback.
**Semester Hours** 1.0
**Prerequisites**
Junior status.

### BIOL 310 : Exercise Physiology

Organ level approach to structure and function of human systems; laboratory emphasis on physiology of exercise. Recommended for Health and Human Performance majors.
**Semester Hours** 4.0
**Prerequisites**
BIOL 105 or BIOL 117.

### BIOL 311 : Human Anatomy

Study of cellular, histological, structural, and functional aspects of body systems. Focus on the structure of the human body and physiological mechanisms used to maintain homeostasis. Designed for paramedical students in prephysical therapy and athletic training.
**Semester Hours** 4.0
**Prerequisites**
BIOL 117.

### BIOL 312 : Developmental Biology

Analysis of development in terms of cell and tissue interactions, cellular differentiation and development of organ systems. Structure and development in plants and animals; experimental embryology.
**Semester Hours** 4.0
**Prerequisites**
BIOL 117, BIOL 201, and BIOL 300.

### BIOL 315 : Cell Biology

Investigation into the organization and function of cell ultrastructure, specifically the mechanisms by which organic macromolecules interact to create a living system. Cellular energetics, transmembrane transport, intra- and intercellular communication, and cell cycle control and cell death.
**Semester Hours** 4.0
**Prerequisites**
BIOL 117 and BIOL 300.

### BIOL 320 : Comparative Anatomy

Comparative study of chordate anatomy stressing evolutionary relationships and homologous structures culminating in study of mammalian anatomy. Study of chordate tissues and their relationships.
**Semester Hours** 4.0
**Prerequisites**
BIOL 201 or departmental permission.

### BIOL 332 : Microbiology and Immunology

Morphology, physiology and taxonomy of selected microorganisms; emphasis on laboratory techniques.
**Semester Hours** 4.0
**Prerequisites**
CHEM 211 or instructor permission.

### BIOL 340 : Tropical Biology

Discussion of neotropical ecosystems, focusing on rainforest structure and function, evolution and coevolution, and ecological interactions among tropical organisms. Following the lecture part of the course will be an analysis of organisms and their habitats in a tropical environment, with emphasis on identification and field research techniques. Students will be responsible for travel and other expenses.
**Semester Hours** 4.0
**Prerequisites**
BIOL 201 and departmental permission.

### BIOL 345 : Ecology

Study of the relationships of organisms to their environments and to each other, and how these relationships drive evolutionary histories. Emphasis on assessment and importance of habitat structure and variation, population genetics and dynamics, community transitions, and species interactions, along with student led research projects and topic review. Laboratory component involving sampling and assessment of ecological variables in a variety of habitat types throughout southwestern Virginia.
**Semester Hours** 4.0
**Prerequisites**
BIOL 201

### BIOL 350 : Special Topics in Biology

Selected topics in biology chosen by the instructor in response to student needs and interests.
**Semester Hours** 3.0
**Prerequisites**
BIOL 117 and instructor permission.

### BIOL 360 : Population and Conservation Biology

Exploration of factors which affect short-term and long-term stability and health of biological populations, including immigration, emigration, recruitment and mortality, and the environmental factors which can affect each of these forces. Emphasis on understanding and manipulating mathematical models of hypothetical populations. Conservation of biological populations and communities, as well as critical natural resources.
**Semester Hours** 4.0
**Prerequisites**
BIOL 117 and BIOL 201.

### BIOL 415 : Biogeography

Patterns and dynamics of the geographic distribution and abundance of plants and animals. Historical, ecological, and evolutional foundations of biogeography. Applications of biogeographical models in the assessment of habitat degradation and climate change effects on species distribution and abundance.
**Semester Hours** 4.0
**Prerequisites**
BIOL 117 and BIOL 201, or instructor permission.

### BIOL 420 : Evolutionary Biology

Patterns and processes of organismal change over time, emphasizing both micro- and macroevolution. Development of evolutionary thought, natural selection, speciation, phylogenetics, and the origin of life.
**Semester Hours** 4.0
**Prerequisites**
Grade of 'C' or better in BIOL 300, or instructor permission.

### BIOL 425 : General Physiology

Chemical and physical functions of organisms including maintenance of homeostasis, water balance, metabolism, movement, gas exchange, and hormonal regulation, with emphasis on human systems and comparisons to other animals and to plants. Analysis of current literature and case studies, use of relevant instrumentation, and interpretation of data. Includes a service learning component.
**Semester Hours** 4.0
**Prerequisites**
CHEM 111 and CHEM 112, and a grade of 'C' or better in BIOL 201.

### BIOL 430 : Biochemistry

Cell ultrastructure, metabolic pathways, and control mechanisms for cellular processes: respiration, photosynthesis, DNA, replication, protein synthesis, and differentiation.
**Semester Hours** 4.0
**Prerequisites**
BIOL 117 and CHEM 211.

### BIOL 441 : Cellular and Molecular Biology

Introduction to current concepts and experiments in gene manipulation and molecular techniques to understand genomics, gene expression and control of cells. Cellular energetics, transmembrane transport, intra- and intercellular communication, cell cycle control, and cell death.
**Semester Hours** 4.0
**Prerequisites**
BIOL 300 or EGSC 300.

### BIOL 450 : Senior Seminar

Study of current topics in biology based on a survey of primary literature. Focus on oral communication through scientific presentations and small-group discussions.
**Semester Hours** 1.0
**Prerequisites**
Senior status.

### BIOL 460 : Independent Study

Independent research project conducted under supervision of department.
**Semester Hours** 1.0
-4
**Prerequisites**
GPA average of 'B' in biology and overall; departmental approval in the semester before the project begins.

### BIOL 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Weekly departmental conferences with faculty supervisor. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
GPA average of 'B' in biology and overall; departmental approval in the semester before the project begins.

### BIOL 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Weekly departmental conferences with faculty supervisor. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
GPA average of 'B' in biology and overall; departmental approval in the semester before the project begins.

### BIOL 490 : Honors Project

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### BIOL 491 : Honors Thesis

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

# Business Administration

### ACCT 101 : Foundations of Accounting

This course focuses on fundamental accounting concepts and principles. Participants will learn how the economic transactions of an enterprise are reported in the financial statements and related disclosures. Participants will develop a basic set of skills that can be used to analyze financial statements and to be prepared for more advanced financial statement analysis. {BUAD majors ACCT 101 or ACCT 201 and ACCT 202 may satisfy the accounting requirement in the Business Core. ACCT majors must take ACCT 201 and ACCT 202.}
**Semester Hours** 3.0

### ACCT 200 : Spreadsheet Applications for Business

Advanced spreadsheet topics within accounting and business contexts. Focus on spreadsheet preparation and analysis to enhance decision-making skills related to all functional areas of a business. Examples include depreciation calculations, loan amortization schedules, and the use of pivot tables.
**Semester Hours** 1.0

### ACCT 201 : Principles of Accounting I

Fundamentals of accounting theory for sole proprietorships and partnerships. Classification of accounts; analysis and recording of business transactions; development of financial statements. Use of spreadsheet to organize data and solve problems.
**Semester Hours** 3.0
**Prerequisites**
Sophomore status.

### ACCT 202 : Principles of Accounting II

Fundamentals of accounting theory for corporations, including budgeting, process cost accounting, analysis of financial statements and cash flows, including the time value of money.
**Semester Hours** 3.0
**Prerequisites**
ACCT 201: Principles of Accounting I

### ACCT 301 : Intermediate Accounting I

Accounting theory and procedures, including inventory valuation, corporate investment, valuation of tangible and intangible assets, long-term debt, corporate capital, reserves, funds flow, and financial statement analysis.
**Semester Hours** 4.0
**Prerequisites**
ACCT 201: Principles of Accounting I
ACCT 202: Principles of Accounting II

### ACCT 302 : Intermediate Accounting II

Accounting theory and procedures, including inventory valuation, corporate investment, valuation of tangible and intangible assets, long-term debt, corporate capital, reserves, funds flow, and financial statement analysis.
**Semester Hours** 4.0
**Prerequisites**
ACCT 201: Principles of Accounting I
ACCT 202: Principles of Accounting II

### ACCT 310 : Income Taxation

Background and history of income taxation; current income tax law, preparation of federal and state income tax returns.
**Semester Hours** 3.0
**Prerequisites**
ACCT 201: Principles of Accounting I
Or instructor permission.

### ACCT 340 : Managerial Cost Accounting

Budgeting and policymaking; job order, process, and standard cost systems.
**Semester Hours** 3.0
**Prerequisites**
ACCT 201: Principles of Accounting I
ACCT 202: Principles of Accounting II

### ACCT 351 : Ethics and Professional Responsibility

Ethical issues in business and accounting. Exploration of moral values and codes of ethics. Emphasis on identifying issues, stakeholders, and the distinction between legality and professional responsibility.
**Semester Hours** 3.0
**Prerequisites**
ACCT 201: Principles of Accounting I

### ACCT 401 : Advanced Accounting

Examination of theory and procedures used in accounting for business combinations and consolidated financial statements, segment and interim reporting, reporting requirements of the Securities and Exchange Commission, and international accounting standards.
**Semester Hours** 3.0
**Prerequisites**
ACCT 301: Intermediate Accounting I
Or instructor permission.

### ACCT 409 : Auditing

Examination of theory and procedures used in accounting for business combinations and consolidated financial statements, segment and interim reporting, reporting requirements of the Securities and Exchange Commission, and international accounting standards.
**Semester Hours** 3.0
**Prerequisites**
ACCT 301: Intermediate Accounting I
Or instructor permission.

### ACCT 450 : Seminar

**Semester Hours** 3.0
**Prerequisites**
Junior or Senior ACCT majors, departmental permission.

### ACCT 460 : Independent Study

Supervised independent study of area of individual interest in accounting.
**Semester Hours** 4.0
**Prerequisites**
Junior or senior status and departmental permission.

### ACCT 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0
**Prerequisites**
Junior or senior status, departmental permission, and completion of two courses selected from ACCT 201, ACCT 202, and ECON 152.

### ACCT 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0
**Prerequisites**
Junior or senior status, departmental approval, and completion of two courses selected from ACCT 201, ACCT 202, and ECON 152.

### ACCT 490 : Honors Project I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### ACCT 491 : Honors Project II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### BUAD 132 : Data and Decisions

Management decisions frequently include levels of uncertainty. This course introduces frameworks for considering areas of uncertainty and risk, and building on these frameworks it allows students to develop tools for interpreting and visualizing data. Fueled by the increasing ease of collecting big data from social media, digital transactions, smart devices and the Internet of Things (IoT), analytics is revolutionizing many aspects of business such as human resources, marketing, operations, finance and strategy. The goal of this course is to provide a foundation in probability and statistics for subsequent courses in business or other majors.
**Semester Hours** 4.0

### BUAD 203 : Business Law I

Introduction to the U.S. legal system, civil and criminal law, contract law, negligence, torts, strict liability, and intellectual property.
**Semester Hours** 3.0
**Prerequisites**
Sophomore status.

### BUAD 204 : Business Law II

Study of the Uniform Commercial Code, contract law, employment and labor law, negotiable instruments, business organizations, and agency.
**Semester Hours** 3.0
**Prerequisites**
BUAD 203: Business Law I

### BUAD 215 : Leadership: Leading Innovation and Diversity

This course focuses on giving students the opportunity to build skills relating to leadership that will help throughout their professional career and their experience at Emory & Henry College. Students acquire valuable skills and tools that can be applied across a range of experiences and settings, including topics like "Growth Mindset", "Leading Self", "Leveraging Diversity in Business" and "Paradox Mindset". These skills have been identified as the competencies and skills that the professional marketplace values most and this course offers an opportunity to prepare oneself for a successful career as a business leader.
**Semester Hours** 3.0

### BUAD 245 : Corporation Finance

Introduction to theories and practices of corporate financial management, including methods of financial analysis, concepts related to the time value of money, valuation of securities, capital budgeting, and the development and evaluation of business strategies.

**Semester Hours** 3.0
**Prerequisites**
ECON 152: Principles of Macroeconomics
ACCT 202: Principles of Accounting II
Or instructor permission.

### BUAD 305 : Marketing in a Global Economy

Study of the organizational function of marketing, including theoretical and practical concerns from a global perspective.
**Semester Hours** 3.0
**Corequisites**
ACCT 201: Principles of Accounting I

### BUAD 308 : Personal Financial Mangement

Basic principles of personal financial management, including cash management, debt management, insurance, investing, retirement planning and estate planning.
**Semester Hours** 3.0
**Prerequisites**
Sophomore status.

### BUAD 317 : Leadership and Change

This course prepares students with the theory, tools, and competency needed to be effective and efficient in a challenging organizational environment. In this course, students will study leadership paradigms including the trait, skill, style, behavioral, situational, and contingency leadership models as well as change management, influence and power, team leadership, ethics and diversity. Leadership classes feed inter/intrapersonal growth, and enhance successful communication, critical thinking, and professional competence. This course will focus on how leaders align people to change.
**Semester Hours** 3.0
**Prerequisites**
BUAD 215: Leadership: Leading Innovation and Diversity

### BUAD 320 : Issues in International Management

Topical and regional international management issues, addressing contemporary concerns in such areas as the European Union, the Middle East, China and the Pacific Rim, Eastern Europe, and Latin America. Cross-cultural analyses from the perspective of the American business organization.
**Semester Hours** 3.0
**Prerequisites**
Junior status.

### BUAD 331 : Artificial Intelligence in Business

Using many real-world examples, the student will examine the opportunities, challenges, and implications of AI - not only for organizations but for society more generally - and what it means for the nature of work. This class will focus on the transformative role that Artificial Intelligence plays in organizations and society today. Students will learn how AI-based technology connects to practical business needs. This includes the foundational understanding of AI, specifically Agent Theory and related Rational Optimization Theory. The students will learn about the implications of AI from a strategic, tactical, and operational perspective and gain insights on how to integrate AI technology in a way that blends seamlessly with your organization's people and processes. This course is suitable for all levels of experience and does not require technical skills like coding.
**Semester Hours** 3.0

### BUAD 346 : Innovation and Entrepreneurship

Innovation is critical to entrepreneurial success and transformational growth. Conventional strategies and programs often look at value creation only from the perspective of new ventures, opportunity identification or new product development. This course will explore innovation from a wide range of perspectives from exploring innovative business models (i.e. new ways to source and deliver existing products) to intrapreneurial initiatives. While the emphasis will fall on early stage value creation enterprises, there will be some consideration given to the later evaluation for a business (growth and exit). {Note: this course is not required for ACCT majors.}
**Semester Hours** 3.0
**Prerequisites**
Sophomore status.

### BUAD 376 : Gaming

This course serves as an introduction to the business of global gaming - including a history and overview of the industry and its modern development. Several key topics relevant to the gaming industry overlap with broader topics in the business curriculum. Ultimately this course also helps place the global industry in the context of Appalachia.
**Semester Hours** 3.0
**Prerequisites**
Junior status.

### BUAD 377 : Hospitality Management

This course serves as an introduction to hospitality management, including aspects of service-oriented operations, information systems, leadership, human resources as well as an overview of professional opportunities in the industry. The course is intended to provide a broad perspective and introduces students to trends in the industry and ultimately help place the subject in the context of Appalachia.
**Semester Hours** 3.0
**Prerequisites**
Junior status.

### BUAD 399 : Organizational Leadership

Advanced study in leadership concepts and principles focusing on transformational, situational, and servant leadership theories. Emphasis on the nature and importance of leadership, including the following topics: power, influence, teamwork, motivation, problem-solving, communication, and conflict resolution. Strategic, developmental, and international leadership issues.
**Semester Hours** 3.0
**Prerequisites**
Junior status.

### BUAD 441 : Production and Operations Management

Introduction to the basic concepts of operations management on an international scale within the context of both manufacturing and service organizations. Emphasis on decision-making tools that aid the operations function. Case studies of actual companies, addressing both domestic and international operations issues.
**Semester Hours** 3.0
**Prerequisites**
STAT 161, 162, or 163.

### BUAD 449 : Management Policy and Strategy

Comprehensive "capstone" course in management that addresses business policy-making and strategic management within the context of international competition. Focus on the general management function, with particular emphasis on environmental analysis, strategy formulation, and policy implementation from a macro-organization perspective. Case studies and business simulations that address both domestic and international issues. Must be taken during the senior year, preferably in the final semester.
**Semester Hours** 3.0
**Prerequisites**
BUAD 245: Corporation Finance
BUAD 305: Marketing in a Global Economy
BUAD 441: Production and Operations Management
BUAD 451: Strategic Thinking and Complex Problem Solving
Or instructor permission.

### BUAD 450 : Seminar

Open to junior and senior majors with permission of department.
**Semester Hours** 3.0

### BUAD 451 : Strategic Thinking and Complex Problem Solving

This course introduces students to theories and practices of management that allow them to develop decision-making skills and confidence. Students are expected to understand the separate management functions of planning, organizing, motivating, leading, and controlling and how these functions interact with each other and relate to ethics, decision-making, and organizational effectiveness. As part of the second half of the course, students will engage with powerful and easy-to-use spreadsheet-based tools that help approach complex problems in management today, including but not limited to optimization, decision analysis, and simulation software. This material is approached from a managerial rather than a technical perspective focusing on how to apply decision-making and strategy in the twenty-first century.
**Semester Hours** 3.0
**Prerequisites**
ECON 151: Principles of Microeconomics
BUAD 305: Marketing in a Global Economy
BUAD 245: Corporation Finance
Sophomore status.

### BUAD 460 : Independent Study

Supervised independent study in area of individual interest in management.
**Semester Hours** 4.0
**Prerequisites**
Junior or senior status and departmental permission.

**BUAD 470 : Internship I**

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.

**Semester Hours** 3.0

-6

**Prerequisites**

Junior or senior status, departmental permission, and completion of two courses selected from ECON 152 and ACCT 201 and 202.

**BUAD 471 : Internship II**

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.

**Semester Hours** 6.0

**Prerequisites**

Junior or senior status, departmental permission, and completion of two courses selected from ECON 152 and ACCT 201 and 202.

**BUAD 490 : Honors Project I**

Independent research in a special topic for honors.

**Semester Hours** 3.0

**Prerequisites**

Senior status, GPA of 3.0 or higher.

**BUAD 491 : Honors Project II**

Independent research in a special topic for honors.

**Semester Hours** 3.0

**Prerequisites**

Senior status, GPA of 3.0 or higher.

# Center for Outdoor Studies

## Applied Risk Management and Backcountry Leadership (Concentration)

In a synthesis of traditional classroom and experiential learning, this program provides students with the core knowledge and skills to lead backcountry trips. Students in the program will gain an understanding of risk assessment, decision making, minimizing impact, problem solving, and group management within the contexts of backpacking, whitewater paddling, and rock climbing. As such, excursions to local rivers, trails, and climbing areas play a significant role in the overall program. Throughout the program's coursework, students will explore relevant issues associated with adventure-based recreation, receive feedback, and reflect as they work to integrate the technical, interpersonal, and judgment skills vital to successful, caring backcountry leadership. (16-18 total credits)

**Required Courses:** CFOS 100: Foundations of Risk Management and Backcountry Leadership (3 credits); CFOS 200 Intro to Adventure Sports (3 credits); two courses chosen from CFOS 301 Long Distance Hiking, CFOS 302 Intermediate Whitewater Paddling, and CFOS Intermediate Rock Craft (6 credits); CFOS 400 provides the Capstone Experience in Applied Risk Management and Leadership (3 credits). (15 credits)

**Additional Requirement**: Students in the Program are required to complete a wilderness first aid or responder certification (1-3 credits).

**CFOS 100 : Foundations of Backcountry Leadership and Risk Management**

The course covers fundamental backcountry skills and topics, including the ethical principles of Leave No Trace, decision-making, backcountry kitchen safety, backcountry lifeguarding, weather, navigation, and group management. This course supports students with an interest in outdoor recreation and prepares them for further experiences in guiding and leadership. The course will be taught in a classroom/workshop setting with excursions to the Bartlett-Crowe Field Station mixed into the curriculum.

*This course is required for E&H backcountry trip leader positions.

**Semester Hours** 3.0

**CFOS 200 : Introduction to Adventure Sports**

Through an introduction to the adventure sport disciplines of backpacking, whitewater paddling, and rock climbing, this course places backcountry risk management in an experiential context. This course provides a skills-oriented experience, with class regularly venturing to local rivers, trails, and climbing areas. Lectures and skills instruction associated with each discipline are scaffolded to support beginners and to encourage a safe and lifelong relationship with outdoor recreation. The class will meet in the Outdoor Center, the campus pool, and various off-campus programming areas.

*This course is required for E&H backcountry trip leader positions.

**Semester Hours** 3.0

**Prerequisites**

CFOS 100 with a 'C' or better.

### CFOS 301 : Long-Distance Backpacking

In this seven-week course, students engage in intensive training in preparation for hiking the Appalachian Trail. The coursework consists of in-depth instruction of long-distance backpacking topics and skills, including the history and key figures of the Appalachian Trail, risk assessment and safety, Leave No Trace ethics, footwear, layering systems, backcountry cooking, navigation, logistics management, nutrition, and problem-solving.
**Semester Hours** 4.0
**Prerequisites**
Admission into the Semester-A-Trail Program; Wilderness First Aid Certification or higher.

### CFOS 301L : Long-Distance Backpacking Lab

The lab component of CFOS 301 encompasses the on-trail experience for the student hiker.
**Semester Hours** 0.0
**Prerequisites**
Admission into the Semester-A-Trail Program; First Aid Certification.

### CFOS 302 : Intermediate Whitewater Paddling

This course supports students with a significant interest in advancing skills and techniques in whitewater kayaking and rafting, preparing them for further experiences in guiding and leadership. Participants will paddle class I, II, and III whitewater and engage in a variety of topics and skills instruction, including the history and key figures of whitewater paddling, river rescue, reading whitewater, river running skills, decision-making, group management, weather considerations, and driving and loading vehicles. The course will be taught in a classroom/workshop setting, in the campus pool, and with excursions to local lakes and rivers.

*This course is required for whitewater trip leaders.
**Semester Hours** 3.0
**Prerequisites**
CFOS 200 with a grade of 'C' or better.

Additional Requirements: Wilderness First Aid Certification or higher.

### CFOS 303 : Intermediate Rock Craft

This course focuses on the intermediate aspects of single-pitch rock climbing and provides hands-on instruction and practice in managing risk in climbing sports. The coursework covers a variety of rock craft topics and skills, including the history and key figures of climbing, climbing gear, indoor/outdoor bouldering, knot fluency, belaying, top-roping, sport climbing, anchors, traditional lead climbing, rappelling/lowering, and body movement.

*This course is required for E&H rock climbing trip leaders.
**Semester Hours** 3.0
**Prerequisites**
CFOS 200 with a grade of 'C' or better.

Additional Requirements: Wilderness First Aid Certificate or higher medical training.

### CFOS 400 : Capstone in Applied Risk Management and Backcountry Leadership

Working closely with the staff of the Center for Outdoor Studies, students in this course will research, plan, market, and implement an adventure-based trip or program. In a final, comprehensive presentation, students will articulate their personal philosophy on backcountry leadership. To inform the presentation, students will conduct research in their chosen adventure discipline, focusing on contemporary issues in the field with topics including social justice, land management, ethics, options for further education in the field, and career opportunities.

**Semester Hours** 3.0
**Prerequisites**
Two of the following with a grade of 'C' or better: CFOS 301, CFOS 302, or CFOS 303.

Additional requirements: Current Wilderness First Aid or higher certification.

# Chemistry

The program is a four-year sequence of courses in the Chemistry and Teacher Preparation tracks, or a three-year sequence at Emory & Henry followed by courses at a school of pharmacy in the Applied Health Sciences track. To prevent scheduling problems, first-year students are encouraged to consult with members of the department for a recommended four-year academic plan. Some courses in the contextual and support areas also should be scheduled at certain times.

### CHEM 100 : Introduction to Biology and Chemistry

This course introduces students to foundational biology and chemistry concepts with an emphasis on the relationship between the two. In addition, the course will focus on techniques and study strategies which are key to success in the Natural Sciences.
**Semester Hours** 3.0
**Corequisites**
MATH 101

### CHEM 105 : Introduction to College Chemistry

Basic theories of atomic structure, chemical reactions, gas laws, atomic theory, and chemical bonding. Not intended for potential science majors. Three lecture hours and three laboratory hours.
**Semester Hours** 4.0
**Lab Hours** 3

### CHEM 111 : General Chemistry I

Concepts and theories of atomic structure, chemical bonding, gases, liquids, and solids. Qualitative and quantitative descriptions of chemical reactions. Solution chemistry.
**Semester Hours** 4.0
**Corequisites**
STEM 100 or higher and CHEM 111L

### CHEM 111L : General Chemistry Lab

Lab course covering the concepts and theories of atomic structure, chemical bonding, gases, liquids, and solids. Qualitative and quantitative descriptions of chemical reactions. Solution chemistry. Four laboratory hours. Zero semester hours.
**Semester Hours** 0.0
**Corequisites**
CHEM 111

### CHEM 112 : General Chemistry II

Fundamental laws of kinetics, thermodynamics, electrochemistry, chemical equilibrium, acid base theory, descriptive chemistry of metals and nonmetals, and nuclear chemistry.
**Semester Hours** 4.0
**Prerequisites**
Grade of 'C-' or better in CHEM 111 and 111L.
**Corequisites**
CHEM 112L

### CHEM 112L : General Chemistry II Lab

Lab course covering the fundamental laws of kinetics, thermodynamics, electrochemistry, chemical equilibrium, acid base theory, descriptive chemistry of metals and nonmetals, and nuclear chemistry. Four laboratory hours. Zero semester hours.
**Semester Hours** 0.0
**Corequisites**
CHEM 112

### CHEM 125 : Introduction to General, Organic, and Biological Chemistry

This course covers the fundamental concepts of chemistry including nomenclature; stoichiometry; atomic and electronic structure; thermochemistry; bonding; periodic correlations; the behavior of solids, liquids and gases; and an introduction to organic functional groups and biomolecules. Primarily intended for students interested in Nursing.
**Semester Hours** 3.0

### CHEM 211 : Organic Chemistry I

Study of organic compounds based on the functional groups approach. Emphasis on physical and chemical properties, applications, reactions, mechanisms, syntheses, nomenclature, stereochemistry, spectroscopy, and molecular modeling. Three lecture hours and four laboratory hours.
**Semester Hours** 4.0
**Lab Hours** 4
**Prerequisites**
Grade of 'C-' or better in CHEM 112.

### CHEM 212 : Organic Chemistry II

Study of organic compounds based on the functional groups approach. Emphasis on physical and chemical properties, applications, reactions, mechanisms, syntheses, nomenclature, stereochemistry, spectroscopy, and molecular modeling. Three lecture hours and four laboratory hours.
**Semester Hours** 4.0
**Lab Hours** 4
**Prerequisites**
Grade of 'C-' or better in CHEM 211.

### CHEM 221 : Analytical Chemistry

Quantitative volumetric and gravimetric analysis, statistical treatment of data, electrochemistry, and introductory instrumental methods of analysis.
**Semester Hours** 4.0
**Lab Hours** 4
**Prerequisites**
CHEM 112

### CHEM 230 : Introduction to Inorganic Chemistry

Foundational course in inorganic chemistry. Topics include periodic properties, simple bonding and molecular orbital theory, molecular symmetry and group theory, acidbase and donoracceptor chemistry, and descriptive chemistry of the main group elements.
**Semester Hours** 3.0
**Prerequisites**
Grade of 'C' or better in CHEM 112.

### CHEM 240 : Introduction to Biochemistry

An introduction to the molecules and chemical reactions of living systems. Structure and function of important classes of biomolecules are explored and the relationship of structure to function is stressed. Basic metabolic sequences are discussed.
**Semester Hours** 3.0
**Prerequisites**
CHEM 112

### CHEM 285 : Research Experience I

Hands-on research experience through assistance in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
CHEM 112 and permission of the faculty member directing the project.

### CHEM 286 : Research Experience II

Hands-on research experience through assistance in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
CHEM 112 and permission of the faculty member directing the project.

### CHEM 287 : Research Experience III

Hands-on research experience through assistance in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
CHEM 112 and permission of the faculty member directing the project.

### CHEM 288 : Research Experience IV

Hands-on research experience through assistance in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
CHEM 112 and permission of the faculty member directing the project.

### CHEM 312 : Physical Chemistry I

Study of physical chemical principles related to classical thermodynamics, equilibrium properties of solids and solutions, kinetic theory and reaction kinetics.
**Semester Hours** 3.0
**Prerequisites**
CHEM 112, MATH 152, and PHYS 201, or instructor permission.

### CHEM 313 : Physical Chemistry II

Quantum mechanical approach extended to descriptions of chemical bonding and spectroscopy using group theory. Physical methods of studying crystal structure and electromagnetic properties.
**Semester Hours** 3.0
**Prerequisites**
CHEM 312

### CHEM 320 : Materials Science

Focus on kinetic and thermodynamical processes in solid state structures. Emphasis on structure-property Relationships especially as related to mechanical properties.
**Semester Hours** 3.0
**Prerequisites**
CHEM 112

### CHEM 330 : Advanced Laboratory

**Semester Hours** 4.0

### CHEM 350 : Special Topics

Selected topics in chemistry chosen by the instructor in response to student needs and interests.
**Semester Hours** 4.0
**Prerequisites**
CHEM 111 and 112 and instructor permission.

### CHEM 351 : Junior Seminar

Study of current topics in chemistry based on survey of primary literature.
**Semester Hours** 1.0

### CHEM 411 : Inorganic Chemistry

Chemistry of the elements emphasizing periodic trends and electronic properties. Current theories of bonding and molecular structure; reactivity and uses of coordination complexes.
**Semester Hours** 4.0
**Lab Hours** 4
**Prerequisites**
CHEM 212

### CHEM 422 : Instrumental Analysis

Principles of design and operation of modern instrumentation in chemistry. Consideration of methods common in research as well as applied sciences such as environmental monitoring and medicine.
**Semester Hours** 3.0
**Prerequisites**
CHEM 221

### CHEM 430 : Biochemistry

Cell ultrastructure, metabolic pathways, and control mechanisms for cellular processes: respiration, photosynthesis, DNA, replication, protein synthesis, and differentiation.
**Semester Hours** 4.0
**Lab Hours** 3
**Prerequisites**
BIOL 117 and CHEM 211.

### CHEM 433 : Advanced Organic Chemistry

Organic reactions and mechanisms. Hueckle molecular orbital theory, electrocyclic reactions, molecular photochemistry, nonclassicalcarbonium ions, carbanions, natural products, synthesis of novel and biologically important compounds.
**Semester Hours** 3.0
**Prerequisites**
CHEM 212

### CHEM 444 : Instrumental Organic Analysis

Qualitative and quantitative analysis of organic compounds based on spectrometric and chromatographic methods. Techniques including infrared, nuclear magnetic resonance, mass spectrometry, ultra-violet/visible, gas chromatography, high performance liquid chromatography, and combination techniques such as GC-MS. Emphasis on problem solving with instrumentation.
**Semester Hours** 4.0
**Lab Hours** 4
**Prerequisites**
CHEM 212

### CHEM 450 : Senior Seminar

Study of current topics in chemistry based on survey of primary literature.
**Semester Hours** 1.0

### CHEM 460 : Independent Study

Experimental or theoretical student research under chemistry faculty supervision.
**Semester Hours** 4.0
**Prerequisites**
Senior status and departmental permission.

### CHEM 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0
**Prerequisites**
Junior or senior status, departmental approval, and completion of appropriate courses as preparation for the desired work experience.

### CHEM 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0
**Prerequisites**
Junior or senior status, departmental permission, and completion of appropriate courses as preparation for the desired work experience.

### CHEM 490 : Honor Project

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### CHEM 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

# Civic Innovation

### CVIN 100 : Introduction to Civic Innovation

This course will address the ways we approach and consider the most pressing issues and questions of American civic life. How do we develop creative and innovative ideas and actions that lead to thriving democratic communities in the face of social, political, and cultural differences? The course will include work in a civic engagement project as a way to apply concepts to a real-world community issue.
**Semester Hours** 4.0

### CVIN 120 : Applied Civic Arts I

The work of community building and citizenship involves the practice and use of many different skills. This course allows students to develop proficiency across a range of areas necessary for the organization and implementation of community projects and initiatives, including, but not limited to, those related to project leadership and management, making public presentations, and conducting community-based conversations and interviews.
**Semester Hours** 3.0

### CVIN 124 : Skills Seminar: Project Design and Management

Students develop skills for implementing major projects, focusing on innovation and prototyping social entrepreneurial ideas. Students will acquire skills for identifying results and articulating their work in terms of results achieved in projects and other settings.
**Semester Hours** 1.0

### CVIN 125 : Skills Seminar: Public Presentation

Students make public presentations, engage in public debate on current civic issues and questions, and facilitate collaborative planning process focused on bringing innovative solutions to a local problem. Students develop a personal results eportfolio to be utilized in project based work across the Emory & Henry curriculum.
**Semester Hours** 1.0

### CVIN 126 : Skills Seminar: Interviewing and Collaborative Research

Students acquire skills for organizing and implementing collaborative research to find innovative responses to community needs. Students learn how to deploy interviewing, transcription, and reporting skills, and social media skills for effective collaborative innovation and project implementation.
**Semester Hours** 1.0

### CVIN 200 : Public Movements, Social and Cultural Change

Drawing from efforts for social and cultural change across regional, national, and international contexts, students apply key lessons and strategies to specific contemporary issues and questions, emphasizing the development of innovative ideas and building support for them. Students understand the difference between policy driven innovation and change and citizen driven innovation and change, particularly in the Appalachian context, and assess the effectiveness of those change efforts based on outcomes.
**Semester Hours** 3.0

### CVIN 205 : Skills Seminar: Building Collaboratives and Alliances for Innovation

As part of an ongoing major project, student teams effectively organize and mobilize citizens to take on collaborative work that innovatively addresses community needs to achieve tangible results. Teams develop result leaders, recruit participants, negotiate instances of conflict, and identify and learn from mistakes. Civic Project: Organizing Collaborative Work.
**Semester Hours** 4.0

### CVIN 220 : Applied Civic Arts II

The work of community building and citizenship involves the practice and use of many different skills. This course allows students to develop proficiency across a range of areas necessary for leading community groups, organizations, and projects, including those related to staff development and volunteer recruitment, fundraising, grant writing, and program evaluation and assessment, among others.
**Semester Hours** 3.0

### CVIN 220 : Applied Civic Arts II

The work of community building and citizenship involves the practice and use of many different skills. This course allows students to develop proficiency across a range of areas necessary for leading community groups, organizations, and projects, including, but not limited to, those related to staff development and volunteer recruitment, fundraising, grant writing, and program evaluation and assessment.
**Semester Hours** 3.0

### CVIN 224 : Skills Seminar: Innovative Leadership

Students apply best practices of innovative leadership to nonprofit organizational issues, including governance, board structure and effectiveness, staff development, volunteer recruitment. Students use GIS technology to support prototyping and programming.
**Semester Hours** 1.0

### CVIN 225 : Skills Seminar: Funding Innovation

Students understand the difference between conventional funding such as grants from foundations and funders who act as investors in innovative responses to problems, questions, and issues, looking for a return on the investment. Students accommodate and address both opportunities.
**Semester Hours** 1.0

### CVIN 226 : Skills Seminar: Program Development

Students will learn how to prototype innovative responses to community needs and issues, and acquire skills for assessing those efforts by learning from successes, failures, and mistakes with an emphasis on knowledge creation for further innovation.
**Semester Hours** 1.0

### CVIN 240 : Research Methods for Innovation

Addressing an identified civic issue or question, students apply a range of both quantitative and qualitative research methods to identify innovative ways to achieve tangible outcomes for a community.
**Semester Hours** 3.0

### CVIN 250 : Appalachia

By examining the interface between politics, public policy, private sector business, citizen activism, and the complex dynamics of place, students articulate an understanding of the history, culture, and status of the people Appalachia. Students apply the understanding to contemporary public issues in Appalachia and develop innovative responses, creative strategies, and outcomes. May have a travel component.
**Semester Hours** 3.0

### CVIN 255 : Place and the Built Environment - NYC

In the contexts of the five boroughs of New York, students examine and articulate the relationship between urban society and the built environment, with particular focus on the effects of that relationship on civic innovation for social justice. Students apply their understanding to contemporary urban contexts, including New York, and to local rural communities. Has a travel component.
**Semester Hours** 3.0

### CVIN 260 : Ireland

Students explore and articulate social and cultural contradictions in contemporary Irish society, the role of place in Irish cultural and political identities, and the interplay of the Irish diaspora and homeland in Irish politics and culture. Students apply their understanding of these factors in contemporary Ireland to issues and questions in the American national and Appalachian regional contexts, looking for innovative, cross cultural, and international solutions. Has a travel component.
**Semester Hours** 3.0

### CVIN 305 : Digital Media and Civic Life

This course is an exploration of questions and issues related to the ways that digital forms of media, especially social media, affect our understanding of citizenship and our involvement in civic life. Discussions, readings, and other course materials will focus on the intersections between civic engagement and digital media, including such topics as digital literacy, digital ethics, the information divide, collective identity, civic participation, the role of social media in social movements, and cultural analysis of digital media.
**Semester Hours** 3.0

### CVIN 305 : Digital Media and Citizenship

Students will confront questions and issues related to the ways that digital forms of media, especially social media, affect our understanding of citizenship, our involvement in civic life, and our understanding of community. Discussions, readings, and other course materials will focus on the intersections between civic engagement and digital media, including such topics as digital literacy, digital ethics, the information divide, collective identity, civic participation, and cultural analysis of digital media.
**Semester Hours** 3.0

### CVIN 312 : Politics and Public Policy

Based on identified community issues, student teams write a public policy to address the issue. Students articulate the role of citizens in policy formation and the political process. Students equip persons and groups to be active participants in the processes of policy formation and enforcement. Students demonstrate understandings of the ways that public policy is formulated and implemented in the United States; the role of elected officials, bureaucrats, interest groups, and social movements in setting policy priorities and writing law; and the differences between the policy process at the national, state, and local levels of government.
**Semester Hours** 3.0

### CVIN 330 : Religion and American Public Life

In the face of increasing polarization around issues of religion in the public sphere, what tensions and possibilities impact American political life and the development of public policy? This course will address the role of religion in public life, exploring the ways religion shapes perspectives about public policy issues related to gender, families, sexuality, science, race, immigration, education, and work, among others. Consideration will be given to the impact of religious views on the democratic process and related institutions, including the role of religion in social movements and the implications of the rise of Christian nationalism.
**Semester Hours** 3.0

### CVIN 336 : Religion and American Public Life

In the face of increasing polarization around issues of religion in the public sphere, what tensions and possibilities impact American political life and the development of public policy? This course will address the role of religion in public life, exploring the ways religion shapes perspectives about public policy issues related to gender, families, sexuality, science, race, immigration, education, and work, among others. Consideration will be given to the impact of religious views on the democratic process and related institutions, including the role of religion in social movements and the implications of the rise of Christian nationalism.
**Semester Hours** 3.0

### CVIN 345 : Community Development

In the face of the continued fraying of the social fabric through the dismantling of traditional institutions that promote cohesion and promote civic virtue, how should we approach the development of communities and community leaders? We will explore the theories and methods of community development and examine and interrogate the notion of community itself. We will consider the history of community development as a contested response to situated social problems such as persistent poverty and growing economic inequality. We will consider community development through an asset-based model that focuses on agency and the existent capacity of communities rather than on deficiency and dysfunction.
**Semester Hours** 4.0

### CVIN 350 : Special Topics

Selected topics in civic life, civic innovation, leadership, cultural studies, place, community development. Topics chosen by instructors in consultation with students. May be repeated for different topics.
**Semester Hours** 3.0

### CVIN 400 : Senior Project

While engaged in a significant leadership on a major collaborative project, drawing on the work already accomplished in the CVIN program, students deploy entrepreneurial leadership skills, developing innovative solutions to identified problems and opportunities, to achieve tangible outcomes on the project. This serves as one part of the two part capstone experience.
**Semester Hours** 6.0
**Prerequisites**
Senior status and instructor permission.

### CVIN 450 : Capstone Seminar and Thesis

Students produce a major interdisciplinary paper in which they explore an issue or question they have confronted over their time in the program. Students apply concepts of innovation, citizenship, and place, articulating a statement of purpose or identity of themselves as innovative civic leaders. Both the paper and the results portfolio are a part of the student's capstone presentation. Public presentation of Four Year Results Portfolio.
**Semester Hours** 3.0

### CVIN 460 : Independent Study

Advanced independent interdisciplinary research in a specific area related to Civic Innovation, under the supervision of a faculty member.
**Semester Hours** 4.0

**CVIN 470 : Civic Project**
Civic innovative work focused on achieving identified outcomes for an organization, agency, or community, jointly supervised by department and a proven civic innovator. A Civic Project, depending on scope of work and ambition of outcomes, may carry between two and six hours credit with the permission of the program director. Credit hours will be determined before the launch of the civic project and will reflect the scope of work required to achieve the identified outcomes.
**Semester Hours** 6.0

**CVIN 490 : Honors Thesis I**
Independent and interdisciplinary research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

**CVIN 491 : Honors Thesis II**
Independent and interdisciplinary research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

# Clinical Mental Health Counseling

## Professors

Stephanie F. Hall, Chair

David Burkholder

Jessica Burkholder

The Master of Science in Clinical Mental Health Counseling Program is offered on the Emory & Henry College of Health Science Campus in Marion. The CMHC program is a 60 credit, 24-month program, consisting of six consecutive semesters.

**CMHC ELEC : Clinical Mental Health Counseling Elective**
**Semester Hours** 3.0

# Computer Science

The Bachelor of Science in Computer Science will produce high-quality graduates who will be among the top professionals and researchers in the computing field, and who will be outstanding contributors in enhancing the quality of life for future generations. Our vision will be to provide graduates with the capacity to become creative engineers focusing on the development of computing solutions to address the needs of the 21st century.

**CSC 100 : Introduction to Computing**
The objective of this course is to introduce students to the fundamentals of computer science. This is not a computer literacy course (e.g., how to use office applications, email, web, etc.). The focus of this course is on topics in computer science. This is a broad survey of computer science and should be taken by a student to determine if they might be interested in majoring in computer science. A sampling of topics includes computer architecture, data representation, artificial intelligence, database systems, operating systems, networking, algorithms, and programming. Approximately 1/3 of the class will be devoted to learning how to program using programming language.
**Semester Hours** 3.0

**CSC 100L : Introduction to Computing Lab**
Required laboratory course to accompany CSC 100.
**Semester Hours** 1.0

**CSC 110 : Computer Programming I**
This is an introductory course in computer programming in a high-level language. Problem-solving techniques and writing algorithms will be stressed. Concepts stressed in this course are proper use of control structures, development of essential data structures, creating functions and object-oriented programming.
**Semester Hours** 3.0

**CSC 110L : Computer Programming I Lab**
Required laboratory course to accompany CSC 110.
**Semester Hours** 1.0

**CSC 111 : Computer Programming II**
This is a second course in computer programming. Programming concepts stressed in this course will be data abstraction, advanced functional topics, exception handling and file manipulation.
**Semester Hours** 3.0
**Prerequisites**
CSC 110: Computer Programming I
CSC 110

**CSC 111L : Computer Programming II**
Required laboratory course to accompany CSC 111.
**Semester Hours** 1.0

### CSC 220 : Data Structures

A study of abstract data types, including lists, stacks, queues, and search tables, and their supporting data structures, including arrays, linked lists, binary search trees, and hash tables. Implications of the choice of data structure on the efficiency of the implementation of an algorithm. Efficient methods of sorting and searching.
**Semester Hours** 3.0
**Prerequisites**
MATH 370: Discrete Structures
Math 370

### CSC 310 : Database Systems

This course focuses on logical and physical organization of sets of related data. It covers issues in file structures as well as file and database management systems. Exploration of relational models, hierarchical models, directed graph models, data definition and manipulation of languages and relational calculus. Application projects are required.
**Semester Hours** 3.0
**Prerequisites**
CSC 220: Data Structures
CSC 220

### CSC 320 : Programming Languages

This course focuses on formal specification of programming languages, including definition of syntax and semantics: simple statements including precedence, infixes, prefix, and postfix notations. It stresses the concepts of sequence control, data structure implementation, scooping, storage management, grouping of statements, sub-routines and tasks.
**Semester Hours** 3.0
**Prerequisites**
CSC 220: Data Structures
CSC 220

### CSC 325 : Analysis of Algorithms

Algorithm design strategies, including greedy, divide-and-conquer, and dynamic programming methods. Advanced data structures, including balanced search trees, graphs, heaps, and priority queues. Advanced methods of searching and sorting. Computational complexity and analysis of algorithms. NP-complete problems.
**Semester Hours** 3.0
**Prerequisites**
MATH 152: Calculus II
CSC 220: Data Structures
MATH 152 and CSC 220

### CSC 375 : Computer Organization

An introduction to how digital computers are built and the process by which computer programs expressed in a high-level language are translated into signals to be routed on a digital circuit board. Topics include data representation and manipulation, digital logic building blocks (logic gates, flip-flops), computer memory, assembly and machine code, hardware components and their organization.
**Semester Hours** 3.0
**Prerequisites**
CSC 220: Data Structures
CSC 220

### CSC 385 : Theory of Computing

This course is the study of topics, which include theory of finite state machine and automata; regular expressions; Turing machines; Grammars; parsing; language hierarchy; machine design and construction; computability; insolvability; halting problem; computational complexity; and recursive functions. The course also discusses issues in equivalence of various computational models, minimization, and chracterizations.
**Semester Hours** 3.0
**Prerequisites**
CSC 325: Analysis of Algorithms
CSC 325

### CSC 390 : Professional Ethics in Computer Science

This course examines the increasingly complex interaction between computer systems, our social fabric and ethics. Software and microprocessors control automobiles, banks, brokerage trading, aircraft, medical equipment, and just about every other device used in industrialized nations. Impacts of computerized systems upon personal privacy and citizen involvement in governance are examined in relation to the public policy questions of the day. Interdisciplinary readings are stressed, along with required written and oral presentations and class debates.
**Semester Hours** 3.0

### CSC 410 : Software Engineering

Explores the key software design concepts involved in practical software projects. Topics include software development processes, design patterns, software architecture, software testing, software performance, security, and safety.
**Semester Hours** 3.0
**Prerequisites**
MATH 360: Probability & Statistics
CSC 325: Analysis of Algorithms
Math 360 and CSC 325

### CSC 422 : Internet Systems

This course addresses the structure and functionality of the Internet and software that exploits it. Topics include mark-up languages, static, dynamic, active web pages, multimedia applications, communication protocols, client-server architectures, scripting, distributed communications through Internet protocols and security issues addressed.
**Semester Hours** 3.0
**Prerequisites**
CSC 325: Analysis of Algorithms
CSC 325

### CSC 450 : Operating Systems

An introduction to the theory and practice of operating system design and implementation. Algorithmic techniques are presented for implementing process management, memory management, processor management, file systems, concurrency, and security.
**Semester Hours** 3.0
**Prerequisites**
CSC 375: Computer Organization
CSC 375

### CSC 465 : Artificial Intelligence and Machine Learning

This course discusses the theory and application of artificial intelligence with a focus on machine learning. It covers concepts related to search, knowledge representation, logistic reasoning, supervised and unsupervised learning. Students will be required to write programs implementing artificial intelligence and machine learning concepts.
**Semester Hours** 3.0
**Prerequisites**
CSC 325: Analysis of Algorithms
CSC 325

### CSC 469 : Concurrent and Parallel Programming

This course introduces parallel programming and problem-solving. Topics include parallel programming design, parallel programming models, programming on multicore architectures, parallel computational thinking, and introduction to performance analysis of parallel algorithms.
**Semester Hours** 3.0
**Prerequisites**
CSC 450: Operating Systems
CSC 450 or Consent of Instructor

### CSC 476 : Networked Computer Systems

This course presents an overview of the technology, architecture and software used by systems of network-connected computers. The course will cover data transmission, local area network architecture, network protocols, internetworking, security, and World Wide Web technology. Students will write programs that run concurrently on multiple computers.
**Semester Hours** 3.0
**Prerequisites**
CSC 220: Data Structures
CSC 220

### CSC 495 : Capstone Computer Science Project

This is a semester-long project-based course providing a capstone experience for the Computer Science major.
**Semester Hours** 3.0

# Core

### CORE 100 : Self

In the first-semester CORE experience, students develop a foundation for critical and humane inquiry, consider the application of skills in academic and professional settings, and learn how to take responsibility for their learning. Each seminar focuses on one topic, idea, problem, or concept to introduce a liberal arts education. Students explore such questions as: "Who am I, and what is my responsibility to myself?" "Where do I find reliable information as a student and citizen?" "What do I need to be successful in college and beyond?" As the first experience, students complete a collaborative project to be presented at the Library Showcase event at the end of each Fall semester.
**Semester Hours** 3.0

### CORE 103 : Lifetime Wellness

Understanding of wellness and related behavior that contributes to a healthy lifestyle.
**Semester Hours** 1.0

### CORE 200 : Society

In the middle CORE experience, students engage with questions of difference, diversity, and their responsibilities to and within local and national communities. Through the critical exploration of cultural and material structures of power, ethical considerations, and the related concepts of egalitarianism, multiculturalism, and sustainability, students consider their role in caring for their immediate human and natural environments by addressing such questions as: What is my responsibility to those around me, and how do I seek out ways to create a more equitable and sustainable society? How do I engage with diverse perspectives, distinguish between publication types and their usage, and understand my own relationship to power? What are my own success and failures to this point, and how do I learn from them to succeed in my final two years of college?
**Semester Hours** 3.0
**Prerequisites**
Sophomore status.

### CORE 300 : World

In the final CORE experience, students contemplate their responsibility to themselves and others as part of the global community. Through in-depth study of international and transnational institutions, policies, cultural practices, and ethical considerations, students study contemporary and historical moments of global interconnectedness from interdisciplinary perspectives. Through engagement with, and in some cases the practice of, global citizenship, students reconsider their role in caring for others and the natural environment, addressing such questions as: What is my responsibility to those whom I may never meet? What are scholarly sources of information about the world and what issues of information sharing do we face? How has my liberal arts education prepared me for my final year of college and beyond?
**Semester Hours** 3.0
**Prerequisites**
Junior status.

# Economics

### ECON 101 : Contemporary Economic Issues

Applications of economic concepts to current issues.
**Semester Hours** 3.0

### ECON 151 : Principles of Microeconomics

Nature of economic choices as faced by individuals and businesses, basic supply and demand analysis, applications to taxation, trade, and environmental issues.
**Semester Hours** 3.0

### ECON 152 : Principles of Macroeconomics

Historical answers to questions of society-wide problems including business cycle fluctuations, data collection, functions of money and related economic institutions. Emphasis on ability to understand media descriptions of economic phenomena.
**Semester Hours** 3.0

### ECON 220 : Economic History of the U.S.

Study of American political economy, emphasizing forces that have determined economic growth and development since 1607; social, political, and economic transformations in American life from 1607 to the present; structure and function of the U.S. market economy as compared with other economies.
**Semester Hours** 3.0

### ECON 225 : History of Economic Thought

Contributions to economic thought of principal theorists, with reading of selections from their significant writings.
**Semester Hours** 3.0
**Prerequisites**
ECON 152: Principles of Macroeconomics

### ECON 231 : Public Finance

Structure of taxation and expenditures at different levels of government; impact upon and relationship of these to economic development.
**Semester Hours** 3.0
**Prerequisites**
ECON 151: Principles of Microeconomics

### ECON 252 : Applied Intermediate Theory

A more detailed mathematical look at long-run economic growth and short-run business cycle fluctuations. Emphasis on varying theories and policies regarding government intervention in the economy.
**Semester Hours** 4.0
**Prerequisites**
ECON 151: Principles of Microeconomics
ECON 152: Principles of Macroeconomics

### ECON 260 : Law and Economics

Applications of economics to property, contracts, torts, and criminal law, emphasizing property rights, breach of contract, product liability and punishment.
**Semester Hours** 3.0
**Prerequisites**
ECON 101: Contemporary Economic Issues
ECON 151: Principles of Microeconomics
Either ECON 101 or ECON 151 - both are not required.

### ECON 262 : Environmental and Natural Resource Economics

Applications of economics to the problems of pollution and exhaustion of resources.
**Semester Hours** 3.0
**Prerequisites**
ECON 151: Principles of Microeconomics

### ECON 313 : Economics of Growth and Development

Theories of economic growth and economic development. Application of these theories as well as considerations of evolving economic ideas to the study of local, national, regional, and global institutions in the formation of perspectives and policies relating to trade, poverty, education, and the environment.
**Semester Hours** 3.0
**Prerequisites**
ECON 151: Principles of Microeconomics
ECON 152: Principles of Macroeconomics

### ECON 321 : Money and Banking

Nature and functions of financial intermediation, asset demand theory, money, Federal Reserve System operations, and monetary policy.
**Semester Hours** 3.0
**Prerequisites**
ECON 151: Principles of Microeconomics
ECON 152: Principles of Macroeconomics

### ECON 322 : International Trade

Trade theory and policy; role of tariffs and other barriers; international monetary theory and practice, including role of fiscal and monetary policy under floating and fixed exchange rate regimes. Overview of international economic institutions, including the World Trade Organization and the International Monetary Fund.
**Semester Hours** 3.0
**Prerequisites**
ECON 151: Principles of Microeconomics
**Corequisites**
ECON 152: Principles of Macroeconomics

### ECON 330 : Labor Economics

Theory of supply and demand for labor. Applied topics including compensating wage differentials, union activity, gender and racial discrimination, income distribution, immigration, and the role of education.
**Semester Hours** 3.0
**Prerequisites**
ECON 151: Principles of Microeconomics
ECON 152: Principles of Macroeconomics

### ECON 332 : Organization and Regulation of Industry

Conduct of U.S. industry with emphasis on regulation and antitrust.
**Semester Hours** 3.0
**Prerequisites**
ECON 151: Principles of Microeconomics

### ECON 350 : Special Topics

Selected topics in economics chosen by the instructor in response to student needs and interests.
**Semester Hours** 3.0
**Prerequisites**
ECON 151: Principles of Microeconomics
ECON 152: Principles of Macroeconomics

### ECON 450 : Seminar

Open to junior and senior majors with departmental approval.
**Semester Hours** 3.0

### ECON 460 : Independent Study

Supervised independent study in area of individual interest in economics.
**Semester Hours** 4.0
**Prerequisites**
Junior or senior status, departmental approval.

### ECON 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
ECON 152: Principles of Macroeconomics
Junior or senior status, departmental approval.

### ECON 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
ECON 152: Principles of Macroeconomics
Junior or senior status, departmental approval

### ECON 490 : Honors Thesis I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### ECON 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

# Education

Students seeking licensure to teach in elementary or middle school complete a B.A. degree in Interdisciplinary English, Interdisciplinary Mathematics, or Interdisciplinary History and Social Sciences. Students seeking licensure to teach at the secondary level should select the appropriate bachelor's degree track in the major they wish to pursue. Requirements in Professional Studies constitute the contextual and support area for teacher preparation students. For details about each program, consult the faculty advisors in the Neff Center for Teacher Education.

Teacher preparation programs at Emory & Henry are based on the conviction that a broad liberal arts background, a strong program of study in an academic discipline, and a rigorous but minimal set of professional experiences constitute the proper undergraduate education for a teacher.

The Department of Education is a component of the William N. Neff Center for Teacher Education. The center and the department work with academic departments of the college to provide programs leading to licensure at the elementary, middle school and secondary school levels.

Students interested in teaching licensure must:

- Contact the Director of the Neff Center to indicate interest.
- Complete and file with the Registrar the appropriate form indicating their area of interest for teacher preparation.
- Verify each semester's schedule with an advisor in the Education Department, since graduation and licensure requirements are not always the same.
- Meet all degree and licensure requirements.
- Complete student teaching successfully. Completion does not guarantee recommendation for licensure. Apply through the Neff Center for Virginia teaching licensure.

**Admissions Requirements**: A GPA of 2.5 overall and 2.75 in the major, successful program interview, passing scores on the Praxis I Math subtest or Virginia Department Of Education approved alternatives, Virginia Communication and Literacy Assessment, Reading for Virginia Educators (required for PK-3, PK- 6 and Special Education - General Curriculum K-12 only) and the appropriate Praxis II subject area assessment are required for admission into Emory & Henry Teacher Preparation Programs.

**Required Assessments:** Students interested in teacher preparation must take the Praxis I Math subtest and the Virginia Communication and Literacy Assessment (VCLA) during the same semester in which they take EDUC 114. Reading for Virginia Educators must be taken at the end of the semester in which students take EDUC 410/549E. The Praxis II subject area test should be taken after all course requirements in the student's major are completed.

Students are responsible for all testing fees.

For detailed information on admission and retention procedures and course requirements, consult the Neff Center for Teacher Education. Emory & Henry's teacher preparation programs are accredited by the Teacher Education Accreditation Council nationally and by the Commonwealth of Virginia, meet standards of the National Association of

State Directors of Teacher Education and Certification, and qualify for interstate acceptance under the terms of the Interstate Licensure Contracts.

The college provides **approved programs** in these areas: (1) elementary (PK-3, PK-6), elementary and middle school (PK-6, 6-8), all centered around a major in Interdisciplinary English, Interdisciplinary Mathematics, or Interdisciplinary History and Social Sciences; (2) secondary licensure in the following subjects for grades indicated:

Art PK-12
Biology 6-12
Business Education 6-12
Chemistry 6-12
Earth Science 6-12
English, English and Journalism, English and Theatre, English and Speech 6-12 French PK-12
Geography 6-12
History and Social Sciences 6-12
Mathematics 6-12
Music - Choral/Vocal PK-12
Music - Instrumental PK-12
Physical Education PK-12
Physics 6-12
Spanish PK-12

Courses are also available for add-on endorsements in other areas, including driver education and English as a Second Language. Students interested in teaching but not enrolled in an approved program should consult the Director of the Neff Center for Teacher Education.

# VIRGINIA LICENSURE REQUIREMENTS

The requirements of all Emory & Henry College Virginia-approved teacher education programs meet or exceed the Virginia licensure requirements which were in effect at the time the programs were approved. From time to time, the Virginia Board of Education and/or the Virginia General Assembly make substantive changes in these requirements and set deadlines for their implementation. Students enrolled in Emory & Henry College teacher preparation programs will be required to meet the current standards for licensure, even if these requirements are not reflected in the college catalog under which the student entered.

# Common licensure requirements for interdisciplinary programs

Licensure options share many common objectives and course requirements. Academic work is centered around a major in Interdisciplinary English, Interdisciplinary Mathematics, or Interdisciplinary History and Social Sciences. To complete all requirements in four years, a student should choose core courses carefully, selecting those that meet both core requirements and teacher preparation requirements. It is also important to pay particular attention to sequential courses and courses that are taught only in fall semesters or only in spring semesters.

All students interested in teacher preparation should register with the Neff Center for Teacher Education during the first year or sophomore year in addition to the relevant academic department.

### EDUC 114 : Introduction to Education

Introduction to the career of teaching and the field of education through early field experience and discussion. Preparation for Praxis I, a prerequisite for acceptance into the teacher education program. Education 114 should be completed in the first semester of the sophomore year and should be taken prior to the first Education 115.
**Semester Hours** 1.0

### EDUC 115 : Early Field Experience

Pre-student teaching experience during sophomore and junior years. Observation and teacher-aiding in a variety of elementary, secondary, and special education settings. Minimum 20 hours per experience. Expenses are the responsibility of the student. Two enrollments in Education 115 (with passing grade) are required of all teacher preparation students. Students are urged to make early contact with one of the Neff Center faculty to discuss the teacher preparation program and register for an initial field experience. The 115 experience may begin as early as the sophomore year and must be completed before the professional semester. Some courses related to teacher preparation will require a concurrent 115 registration.
**Semester Hours** 0.5
**Prerequisites**
EDUC 114.

### EDUC 116 : Field Experience/Tutoring

Intensive training as reading or math tutors, and then one-on-one work with children in area K-12 schools, typically twice a week for one hour each visit. On-campus training and supplies are provided. Each 116 registration earns one semester hour. May be taken twice for credit. Pass-Fail only.
**Semester Hours** 1.0

### EDUC 305 : Human Growth and Development

Study of growth and development from birth through adolescence, contributing to an understanding of the physical, social, intellectual, emotional, and psychological development of children and youth, and the ability to use this understanding in guiding teaching and learning experiences. Focus on implications for education, early childhood through adolescence. Includes a service learning component.
**Semester Hours** 3.0
**Prerequisites**
Must be enrolled in EDUC 114 during the same semester or have instructor permission.

### EDUC 310 : Teaching Reading and Language Arts

Introduction to the reading process; exploration of how meaning is constructed in relation to written texts, and the teacher's role in helping elementary and middle school students including those with cultural, linguistic, and other learning differences learn this developmental process. Comprehension, skill acquisition, and assessment; explanation of how to provide students with integrated language arts instruction that includes a strong systematic, explicit phonics component; Virginia Standards of Learning.
**Semester Hours** 3.0
**Prerequisites**
Be enrolled in EDUC 114 the same semester or receive instructor permission, junior status.

### EDUC 312 : Mathematics Teaching and learning in Elementary and Middle School

This course focuses on the strategies and activities needed to develop student understanding of mathematics concepts from fractional computation to geometric and algebraic thinking. In conjunction with Math 311's course content, these courses provide strategies and activities for teaching all math concepts found in Pre-K-8 grade levels. In addition, topics that prepare the pre-service teachers for teaching math in the 21st Century, such as equity principles, teaching through problem-solving, and using technology to teach mathematics, are expounded on from those topics presented in Math 311.
**Semester Hours** 3.0

### EDUC 315 : Writing Methodology

Writing methodology provides an overview of an interdisciplinary body of scientifically-based practices about literacy and topics that are related to writing a variety of texts for various audiences and purposes. The course will provide educators with writing strategies and techniques, grammatical processes as tools for writing, and methods of differentiating instruction to meet the learning needs of diverse learners. Twenty hours of observation are required.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101: Writing
ENGL 101

### EDUC 316 : Methods of Teaching Social Studies

This course will explore the current circular methods, materials, and Virginia Standards of Learning in elementary, middle school, and high school social studies education. Skills for history, geography, civics, and economics will be developed through identifying social studies materials, approaches, and the teacher's role in facilitating elementary, middle, and high school students furthering their social studies knowledge and skills.

Observation: Students will be placed in a social studies classroom in which they will observe and assist in the delivery of social studies content. The purpose of this field placement is for pre-service teachers to practice research-based methods in the teaching of social studies topics.

**Semester Hours** 2.0

### EDUC 324 : Assessing for Learning

Understanding, skill development, and application of creating, selecting, and implementing valid and reliable assessments including needs of diverse learners. Why we assess students, how to appropriately assess, creating authentic assessments, types of assessments, how to analyze assessment data, and using assessment information to drive instructional decision marking.
**Semester Hours** 3.0
**Prerequisites**
Be enrolled in EDUC 114 the same semester or receive instructor permission.

### EDUC 340 : Contemporary Teaching of Sci. and Math in Elem. and Middle Schools

Current curricular methods, materials, philosophies, and Virginia Standards of Learning in elementary and middle school science and mathematics education. Developing and identifying science and mathematics materials and approaches.
**Semester Hours** 3.0
**Prerequisites**
EDUC 115, junior status, and one course in laboratory science (biology, chemistry, or physics) and one course in mathematics.

### EDUC 350 : Special Topics

Particular issues, movements, or initiatives that are timely and of interest and value especially to the student in teacher education. Not restricted to students in teacher education. One to three semester hours.
**Semester Hours** 3.0

### EDUC 351 : Fundamentals Science/Lab Pedagogy

Laboratory teaching for those seeking secondary teaching endorsements in biology, chemistry, physics, or earth science. Understanding and application of the knowledge, skills, and processes for teaching laboratory science, including the ability to: implement classroom, field, and laboratory safety rules and procedures; conduct research projects and experiments including applications of the design processes and technology; conduct systematic field investigations using school grounds, the community, and regional resources, and organize key biology, chemistry, physics, or earth science content (whichever is applicable to the student's major), skills, and practices into meaningful units of instruction that actively engage students in learning.
**Semester Hours** 2.0

### EDUC 370 : Survey of Exceptional Children

Diverse and exceptional students, their learning needs, and protection under the law. Focus on creating instructional contexts and using appropriate teaching strategies to accommodate the special learning needs of students who are academically at-risk, including but not limited to students who are labeled learning dis/Abled, emotionally disturbed, developmentally delayed, autistic, other health impaired, traumatic brain injury, multiple dis/Abilities, gifted and talented, and those who come from culturally, linguistically, socioeconomically, or multiculturally diverse backgrounds.
**Semester Hours** 3.0
**Prerequisites**
EDUC 305, be enrolled in EDUC 114 the same semester or receive instructor permission.

### EDUC 401 : Practicum in Education

Required of all persons seeking PK-12 licensure. Suggested for all persons seeking secondary licensure who are interested in teaching middle school. Approximately 80 hours on-site experience.
**Semester Hours** 2.0
**Prerequisites**
Be enrolled in EDUC 114 the same semester or receive instructor permission.

### EDUC 410 : Practicum: Reading Problems

Techniques in evaluation of reading process, difficulties encountered by children in reading-learning process, and diagnostic techniques used by the classroom teacher. Individualized instruction; pragmatic corrective measures.
**Semester Hours** 3.0
**Prerequisites**
Grade of 'C-' or higher in EDUC 310.

### EDUC 420 : Teaching in Elem/Middle

Required as part of supervised-teaching block. General review, consolidation, and amplification of instructional techniques. Overview of educational administration, career education, multi-cultural and multi-ethnic concerns in education. Identification and referral of exceptional children. Assessment strategies, Virginia Standards of Learning. Priorities, frustrations, appropriate role-clarification, and other needs of the student teacher as a person.
**Semester Hours** 2.0
**Prerequisites**
Students enrolled in the course must have taken and passed all EDUC coursework required for licensure and receive department approval via the Application for Student Teaching.

### EDUC 421 : Supv Teach in Elementary & Middle

Student teaching requires a full semester of actual classroom experience under supervision - including observation, participation, responsible teaching, and conferences. Application for admission to supervised teaching must be filed the semester before student teaching. All travel and personal expenses are the responsibility of the student. Students enrolled in the course must have taken and passed all EDUC coursework required for licensure and receive department approval via the Application for Student Teaching. Elementary and Secondary - senior status, overall GPA of at least 2.75 and 2.75 major subject field at Emory & Henry College, approval of Committee on Teacher Preparation, and admission to the teacher preparation program, including passing scores for the following examinations: Praxis I Math or Satisfaction of VDOE approved alternatives, Virginia Communication and Literacy Assessment, Reading for Virginia Educators (PK-3, PK-6, Special Education - General Curriculum only), and appropriate Praxis II. Student teaching is the senior project for teacher preparation, but individual departments may have additional senior project requirements.
**Semester Hours** 10.0

### EDUC 430 : Elem/Middle Methods

Current curricular methods, materials, philosophies, and Virginia Standards of Learning in elementary and middle school social studies and writing education. Developing and identifying social studies and writing materials and approaches.
**Semester Hours** 3.0
**Prerequisites**
Students enrolled in the course must have taken and passed all EDUC coursework required for licensure and receive department approval via the Application for Student Teaching.

### EDUC 440 : Seminar: Teaching Secondary School

Required as part of supervised-teaching block. General review, consolidation, and amplification of instructional techniques. Overview of educational administration, career education, multi-cultural and multi-ethnic concerns in education. Identification and referral of exceptional children. Assessment strategies, Virginia Standards of Learning. Priorities, frustrations, appropriate role-clarification, and other needs of the student teacher as a person.
**Semester Hours** 2.0
**Prerequisites**
Students enrolled in the course must have taken and passed all EDUC coursework required for licensure and receive department approval via the Application for Student Teaching.

### EDUC 441 : Supervised Teaching-Secondary School

Prerequisites as stated under Student Teaching above. Supervised teaching fee.
**Semester Hours** 10.0

### EDUC 445 : Foundations of Education

History and contemporary issues in general and special education. Historical, philosophical, social, political, and cultural factors affecting the nature of schooling, curriculum, and individual education attainment for students with and without dis/Abilities. Legal aspects, regulatory requirements, and expectations associated with identification, education, and evaluation of students with and without dis/Abilities. Virginia Standards of Learning and the organization of schools.
**Semester Hours** 3.0
**Prerequisites**
Junior or senior status or instructor permission.

### EDUC 449 : Reading & Writing in Content Areas

Instructional techniques useful to secondary teachers in supporting and guiding students prior to, during, and after reading, writing, and learning experiences. Discipline-specific methods during content instruction, including the appropriate use of technology and texts, and specific strategies for supporting students with cultural, linguistic, and other learning differences. Must be taken in the semester immediately prior to student teaching.
**Semester Hours** 3.0
**Prerequisites**
Senior status or departmental permission.

### EDUC 450 : Curriculum&instruct in Sec School

Organization and direction of classroom activities and experiences. Varied teaching methods, techniques and strategies, lesson planning, and Virginia Standards of Learning. Guest lecturers, individual or small group study directed by departmental representatives. Student presentations to demonstrate grasp of content.
**Semester Hours** 3.0
**Prerequisites**
Students enrolled in the course must have taken and passed all EDUC coursework required for licensure and receive department approval via the Application for Student Teaching.

### EDUC 451 : Instructional Methods for Esl

Introduction to and practice of effective strategies and methods for teaching English to speakers of other languages,for future teachers. Practicum included.
**Semester Hours** 3.0
**Prerequisites**
Permission of Neff Center Director.

### EDUC 452 : Esl Curriculum Development

Current second language curriculum models, with emphasis on theoretical and practical aspects of cross-cultural communication which underlie their use in various classrooms.
**Semester Hours** 3.0
**Prerequisites**
Permission of Neff Center Director.

### EDUC 453 : Esl Assessment Principles

Testing methods for the second language classroom. Design of various assessment tools for use in practical settings,implementing a selection, and reporting on their relative effectiveness.
**Semester Hours** 3.0
**Prerequisites**
Permission of Neff Center Director.

### EDUC 454 : Cross-Cultural Education

Survey of cultural and language differences that affect communication and education.
**Semester Hours** 3.0
**Prerequisites**
Instructor permission.

### EDUC 460 : Independent Study

Supervised research in selected areas. Offered to advanced students on individual basis with approval of instructor and department chair.
**Semester Hours** 4.0

### SPED 402 : Curr Des & Inst in Sp Educ

Understanding and application of service delivery, curriculum, and instruction of students with high incidence dis/Abilities. Theories, characteristics, etiology, and needs of students with specific learning dis/Abilities, students with emotional disturbance, multiple dis/Abilities, OHI, and students with mental retardation. Application in the classroom setting.
**Semester Hours** 3.0
**Prerequisites**
EDUC 370 or 570.

### SPED 403 : Asmt & Coll in Sp & Incl Educ

Understanding of the assessment and evaluation of students with dis/Abilities. Hands-on application of assessment and evaluation strategies with targeted students in public school settings. Collaboration among general and special educators and family members as a key component of successful inclusive education within the context of the assessment process. Overview of assessment processes and concerns, including fundamental legal and ethical considerations and pre-referral and entitlement decision-making. Basic concepts of measurement. Formulating appropriate interventions.
**Semester Hours** 3.0
**Prerequisites**
EDUC 370 or 570.

### SPED 422 : Managing Learning Environment

Understanding and application of diverse educational approaches to classroom management techniques, and individual and small-group intervention strategies which address emotional well-being, behavioral conduct, selfdirection, and conflict management skills. Consideration of medical approaches to behavioral and emotional problems. Experience with functional assessment of learning environments and individual behavior and the development of positive behavioral support plans with school-age students identified as presenting significantly challenging behaviors and labels of ADD/ADHD or emotional disturbance.
**Semester Hours** 3.0
**Prerequisites**
EDUC 305 or 505, and EDUC 370 or 570.

# Engineering

### EGSC 110 : Introduction to Engineering Science I

Introduction to engineering fundamentals and preparation for success through integration of problem solving and engineering design, ethical decision-making, teamwork, and communicating to diverse audiences. Students
will engineering design, ethical decision-making, teamwork, and communicating to diverse audiences. Students will be introduced to the different types of engineering, including aerospace, biomedical, chemical, civil, computer, electrical, environmental, and mechanical engineering. Three lecture hours and three laboratory hours.
**Semester Hours** 4.0
**Prerequisites**
MATH 121.

### EGSC 120 : Introduction to Engineering Science II

Further development of the concepts and skills of engineering focusing on problem identification, solution ideation, design, prototyping, data collection and analysis, mathematical modeling, cost and safety analysis, solution evaluation, teamwork, project management, and communication. Several diverse and extended projects introduce students to current topics in engineering. Three lecture hours and three laboratory hours.
**Semester Hours** 4.0
**Prerequisites**
EGSC 110 and MATH 124.

### EGSC 210 : Labview for Engineers

Study of Visual programming and experimental design using industry standard Lab View.
**Semester Hours** 2.0
**Prerequisites**
EGSC 120.

### EGSC 211 : CAD for Engineers

Fundamentals of drafting for engineering with a concentration on CAD. Topics include history of drafting, types of drawings, exploration of the CAD drawing-to-manufacturing pipeline, 3D printing, CNC, and the use of simulation to test designs.
**Semester Hours** 2.0
**Prerequisites**
EGSC 120.

### EGSC 230 : Materials Chemsitry

An introduction to the fundamental physical and chemical principles underlying materials properties. Beginning from basic quantum chemistry, students will learn how the electronic configuration of molecules and solids impacts their structure, stability/reactivity, and spectra. Topics for the course include molecular symmetry, molecular orbital theory, solid-state chemistry, coordination compounds, and nanomaterials chemistry.
**Semester Hours** 3.0
**Prerequisites**
EGSC 120 and CHEM 112.

### EGSC 231 : Statics and Mechanics of Materials

Statics provides an understanding of equilibrium of particles and rigid bodies, including simple machines, trusses, and frictional forces. Mechanics of materials covers pressure vessels, thermal stresses, torsion of shafts, stresses and deflection in beams, and column action.
**Semester Hours** 4.0
**Prerequisites**
EGSC 120 and PHYS 201.

### EGSC 300 : Genetic Engineering - Genetics

Hereditary, cytogenetics, population dynamics DNA structure and function. This course incorporates lab techniques necessary for genetic engineering and DNA analysis, as well as a consideration of the social and ethical implications of genetic engineering. Three lecture hours and four laboratory hours.
**Semester Hours** 4.0
**Prerequisites**
Grade of 'C' or better in BIOL 117, sophomore status, or instructor permission.

### EGSC 310 : Fundamental of Engineering Project Management

This course provides engineering students with a comprehensive understanding of how to plan, optimize, and efficiently manage projects (or tasks) to implement products, services or developments. This includes building the structure, processes, components and linkages with a team for successful project delivery within schedule, budget and quality requirements.
**Semester Hours** 3.0
**Prerequisites**
EGSC 120.

### EGSC 320 : Materials Science

The structure, bonding, and atomic arrangements in materials leading to their properties and applications. Three lecture hours and three laboratory hours.
**Semester Hours** 4.0
**Prerequisites**
EGSC 120 and CHEM 112.

### EGSC 321 : Engineering Mechanics

Fundamentals of statics. Kinematics and equations of motion of a particle for rectilinear and curvilinear motion. Kinetics for planar motion of rigid bodies, including equations of motion and principles of energy and momentum.
**Semester Hours** 3.0
**Prerequisites**
EGSC 120, PHYS 202, and PHYS 355 or MATH 353.

### EGSC 322 : Dynamics

Vector treatment of kinematics and kinetics of particles and rigid bodies, Newton's laws, work and energy, impulse and momentum, impact, mass moments of inertia, rotating axes.
**Semester Hours** 4.0
**Prerequisites**
EGSC 120, PHYS 202, and PHYS 355 or MATH 353.

### EGSC 330 : Controls and Systems

Study of digital electronics, computer control systems, and robotic interface with sensors with an emphasis on application and problem-solving. Additionally, the course will examine stability, feedback, transient response and frequency sampling methods.
**Semester Hours** 4.0
**Prerequisites**
EGSC 120 and PHYS 202.

### EGSC 340 : Materials Chemistry

An introduction to the fundamental physical and chemical principles underlying materials properties. Beginning from basic quantum chemistry, students will learn how the electronic configuration of molecules and solids impacts their structure, stability/reactivity, and spectra. Topics for the course include molecular symmetry, molecular orbital theory, solid-state chemistry, coordination compounds, and nanomaterials chemistry.
**Semester Hours** 3.0
**Prerequisites**
EGSC 120 and CHEM 112.

### EGSC 350 : Special Topics in Engineering

Selected topics in engineering chosen in response to student needs and interests. Three or four semester hours.
**Semester Hours** 3.0
-4
**Prerequisites**
EGSC 120, sophomore status, and instructor permission.

### EGSC 361 : Electronics Instrumentation

Study of circuits used in scientific instrumentation; emphasis on electrical measurements, analog circuits and digital systems; design of control and measurement systems. Three lecture hours and three laboratory hours.
**Semester Hours** 4.0
**Prerequisites**
EGSC 120, PHYS 202, and MATH 151, or departmental permission.

### EGSC 410 : Introduction to Nanotechnology

Introduction to nanoscale science and technology including nanoscale fabrication and characterization, nanomaterials and structures, molecular electronics and magnetism, nanoscale optoelectronics and nanobiotechnology.
**Semester Hours** 3.0
**Prerequisites**
PHYS 202 and CHEM 112.

### EGSC 420 : Mechanical Properties of Materials

Mechanical properties and their dependence on microstructure in a range of engineering materials Elementary deformation and fracture concepts, strengthening and toughening strategies in metals and ceramics. Including dislocation theory, mechanisms of hardening and toughening, fracture, fatigue, and high-temperature creep.
**Semester Hours** 3.0
**Prerequisites**
EGSC 320 or CHEM 320.

### EGSC 430 : Engineering Thermodynamics

Topics include properties of a simple pure compressible substance, equations of state, the first law of thermodynamics, internal energy, specific heats, enthalpy, and the application of the first law to a system or a control volume. The study of the second law of thermodynamics is also discussed leading to the discovery of entropy as a property and its ramifications. Thermodynamic principles will be applied to modern engineering systems.
**Semester Hours** 3.0
**Prerequisites**
EGSC 120 and CHEM 320.

### EGSC 441 : Genetic Engineering - Cellular and Molecular Biology

Introduction to current concepts and experiments in gene manipulation and molecular techniques to understand genomics, gene expression and control of cells. Cellular energetics, transmembrane transport, intra-and intercellular communication, and cell cycle control and cell death. This course incorporates synthetic biology approaches, engineering DNA components to address practical problems.
**Semester Hours** 4.0
**Prerequisites**
BIOL 300

### EGSC 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Weekly departmental conferences with faculty supervisor. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Two to six semester hours. Pass-Fail only.
**Semester Hours** 2.0
**Prerequisites**
Junior or senior status, departmental permission, and completion of appropriate courses as preparation for the desired work experience.

### EGSC 471 : Intership II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Weekly departmental conferences with faculty supervisor. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Two to six semester hours. Pass-Fail only.
**Semester Hours** 1.0
-6
**Prerequisites**
Junior or senior status, departmental permission, and completion of appropriate courses as preparation for the desired work experience.

### EGSC 498 : Capstone Engineering Project Design

Capstone project planning and preparations, including completion of a formal project proposal and acquisition of any required resources. Review of the literature. Proposal must be approved by supervising faculty.
**Semester Hours** 1.0
**Prerequisites**
Engineering major, senior status, departmental permission.

### EGSC 499 : Capstone Engineering Project

Implementation of an engineering project under the supervision of faculty.
**Semester Hours** 3.0
**Prerequisites**
EGSC 498.

# English

### ENGL 100 : Foundations of Writing

Review of writing skills expected in college-level courses, including ability to write clear and correct Standard English prose in paragraphs and short essays. A student enrolled in English 100 must earn a grade of at least C- in order to take 101.
**Semester Hours** 3.0

### ENGL 101 : Writing

Development of writing skills necessary for academic work at all levels, including skills in rhetoric, grammar,electronic research, and documentation. At least a C- is required to fulfill the college's writing requirement.
**Semester Hours** 3.0
**Prerequisites**
Grade of 'C-' or better in ENGL 100.

### ENGL 199 : Writing Review

Review and practice in grammar and writing skills expected of successful college graduates. For students referred to English 199, the course becomes a graduation requirement. At least a C- is required in order to receive credit for the course if a student is formally referred to the course.
**Semester Hours** 1.0

### ENGL 200 : Reading & Writing About Literature

Instruction in reading and analyzing literature, writing academic discourse, and using electronic research and documentation. Introduction to different genres and selected critical theories. English majors should complete this course before the end of the sophomore year.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 230 : Introduction to Creative Writing

The writing of poetry, fiction, and other creative projects; instruction in reading literary texts with attention to the crafts of poetry, prose (fiction and nonfiction), and drama. Development of workshop practice and instruction in research for creative purposes.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101 or instructor permission.

### ENGL 231 : Introduction to Poetry

Introduction to the reading and enjoyment of poetry through the study of poems from selected time periods and diverse cultural traditions. English majors in the creative writing track are encouraged to take this course prior to English 322.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 232 : Introduction to Short Fiction

Introduction to short fiction, including stories and short novels, with attention to a variety of forms from classical narrative to fantasy and expressionism. English majors in the creative writing track are encouraged to take this course prior to English 323.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 233 : Introduction to Drama

Introduction to drama, with a focus on the literary issues specific to drama as a form of narrative; consideration of dramatic genre and theory, and some attention to staging and performance, with an introduction to important playwrights of the tradition. English majors in the creative writing track are encouraged to take this course prior to English 325X.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 234 : Introduction to Film

Introduction to film techniques and conventions; consideration of social, artistic, and historical contexts of films,how they shape and are shaped by their time; and systematic exploration of such influential film genres as silent film, documentary, film noir, New Cinema, and auteur analysis.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 245 : Introduction to African American Literature

Survey of African American literature form the 18th to the 21st century, with attention to the fiction, nonfiction, poetry, and drama across the African American experience and the resulting literary traditions. From slavery and its abolition, segregation and the Jim Crow South, the civil rights movement, to contemporary social movements and aesthetics.
**Semester Hours** 3.0

### ENGL 250 : Major British Writers I

Introduction to earlier British literature with attention to selected works by authors including Chaucer, Shakespeare, Spenser, Donne, Milton, Dryden, Pope, Swift, and Johnson. English majors should complete this course before the end of the sophomore year.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 251 : Major British Writers II

Introduction to later British literature with attention to selected works by authors including Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold, G. Eliot, Woolf, Yeats, and T.S. Eliot. English majors should complete this course before the end of the sophomore year.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 252 : Major British Writers III

Introduction to literature from 1945 to the present and its diverse cultural, social, and political contexts. Study of English-language authors from the British Isles, Africa, India, and the Caribbean, with attention to English as a language of world literature. English majors should complete this course before the end of their sophomore year.

**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 255 : Major US Writers I

Survey of writing in the United States through World War I, with attention to selected works by Emerson, Thoreau, Hawthorne, Melville, Poe, Douglass, Whitman, Dickinson, Twain, James, Crane, Chopin, and Dreiser, that introduces students to American Romanticism, Realism, and Naturalism.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 256 : Major US Writers II

Survey of writing in the United States after World War I, with attention to selected American authors from Eliot, Hemingway, Moore, and Fitzgerald to the present.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 317 : Lit for Children & Young Adults

Survey of traditional and modern texts for children and young adults, with attention to multicultural social contexts, genre, and developmental stages in reading.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 321 : Advanced Expository Writing

Reading and writing longer forms of exposition, persuasion, narration, and analysis, with emphasis on clarity of style, argument, and advanced editing and research skills.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 322 : Writing Poetry

The writing of poetry, with attention to traditional prosody and innovations in contemporary poetry.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 323 : Writing Prose Fiction

The writing of prose fiction, with emphasis on techniques of characterization, voice, plot development, and theme.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 326 : Creative Nonfiction Workshop

The study of creative nonfiction, with inspiration from writing based on topics from personal narratives to the natural world. The composition of original writing inspired by personal and professional interests for a range of publications, from journals to blogs.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 328 : Nature Writing

The writing and study of nature writing as a genre and pertinent literary forms, with attention to writing from Thoreau, Carlson, Leopold, Abbey, Berry, Lopez, Dillard, and Bass. This course is taken as part of the Semester-A-Trail Program.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 332 : Critical Perspectives in Lit

An applied study of critical perspectives on literature and related literary theories, including New Criticism, New Historicism, Feminism, Postcolonialism, Structuralism, and others.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 350 : Special Topics

Selected topics within any area of literature, comparative cultures and literature, criticism, and creative writing.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 360 : Shakespeare

Representative comedies, histories, tragedies, and romances from his early, middle, and late periods, studied in the context of cultural and dramatic history and the Elizabethan theatre.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 362 : Studies in Major Authors

A study of the works, life, and culture of a single major author in the Anglophone tradition. Possible topics include Austen, Chaucer, Dickens, Faulkner, Milton, Woolf. May be repeated for credit.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 364 : Studies in Literary Traditions

Study of a selected ethnic, national, regional, or cultural literary tradition. Rotating traditions will include Multiethnic American, Irish, women's, Southern, and Appalachian traditions. May be repeated for credit.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### ENGL 450 : Senior Seminar

Analysis of a selected topic in literature with related study of genre and schools of critical theory. Students in the literature and secondary education tracks complete a critical project. Students in the creative writing track may elect to complete a combined critical-creative project. Evaluation of student presentations by members of the English Department.
**Semester Hours** 3.0
**Prerequisites**
Senior English major, or departmental permission.

### ENGL 460 : Independent Study

Advanced independent research in a special area of literature and criticism, or a creative writing project, under the supervision of a faculty member.
**Semester Hours** 4.0
**Prerequisites**
Departmental permission.

### ENGL 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0
**Prerequisites**
Departmental permission.

### ENGL 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0
**Prerequisites**
Departmental permission.

### ENGL 490 : Honors Project

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### ENGL 491 : Honors Project

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

# Equine Studies

### EQST 100 : Introduction to Riding

This course is designed to create a foundation of safety and knowledge for students with minimal experience with horses. The course will entail lecture sessions, lab sessions in the barn and mounted sessions in the riding arena. Students will be introduced to all aspects of safety, equine care as it pertains to riding and to the fundamentals of riding horses.
**Semester Hours** 1.0

### EQST 101 : Fundamentals of Riding (begin/Adv Begin)

This course is designed for the student with no riding experience or with no hunt seat experience. The student will be introduced to the basics of proper position at the walk, trot, and canter; to hunt seat terminology, and to low fences. Advanced Beginner: Emphasis is on securing the rider's position on the flat and over fences, with further exposure to jumping. To enter this level the student should be able to exhibit good basic control over a horse ridden in a group.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 102 : Fundamentals of Riding Adv Beg

Continuation of Equine Studies 101.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 103 : Intro to Show Ring Competition I

This is a mounted course where the student gains practical experience in a competitive setting. The sections will emphasize Show Hunters and Equitation.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 104 : Intro-Show Ring Competition I

Continuation of Equine Studies 103.
**Semester Hours** 2.0
**Prerequisites**
Instructor permission.

### EQST 201 : Fundamentals of Riding-Intermediate

Building on principles covered in Equine Studies 101 and 102, this course will concentrate on the refinement of position. To enter this level, a student should be able to ride confidently, with or without stirrups, at all three gaits and should be able to negotiate a sequence of fences.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 202 : Fundamentals of Riding-Intermediate

Continuation of Equine Studies 201.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 203 : Show Jumping Practicum I

Students in this course should be able to negotiate a 3'-3'3" course in proper hunter seat equitation form. This course will introduce the jumper divisions to those riders with a solid background in the hunter and equitation divisions. Advanced equitation courses, such as those found in the lower-level jumper divisions, will be dealt with. The United States Equestrian Federation Rulebook sections pertaining to the jumper divisions will be discussed as will methods of course walking and course construction.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 204 : Show Jumping Practicum II

Students in this course should be able to negotiate a 3' - 3'3" course in proper hunter seat equitation form. This course will introduce the jumper divisions to those riders with a solid background in the hunter and equitation divisions. Advanced equitation courses, such as those found in the lower-level jumper divisions, will be dealt with. The United States Equestrian Federation Rulebook sections pertaining to the jumper divisions will be discussed as will methods of course walking and course construction.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 217 : Stable Management I

This course is designed to introduce the student to the basic care of horses. Topics include techniques of grooming, braiding, bandaging, equipment care and maintenance, and basic first aid. Other topics will include evolution of the horse, different breeds and horse activities available to the rider today. Student will be assigned one horse and related equipment to care for and maintain throughout the semester. Three lecture hours and three practical lab hours.
**Semester Hours** 4.0
**Lab Hours** 3

### EQST 224 : Schooling Techniques

This course is designed to provide students with a background which will enable them to evaluate a horse, rider and design a program to provide optimum results. The course will address three main areas: (1) understanding the mechanism of the horse and its functions, (2) defining and understanding the rider's position and its use, and (3) applying these concepts in actual labs.
**Semester Hours** 3.0
**Prerequisites**
EQST 360 recommended.

### EQST 301 : Fundamentals of Riding-Adv Intermediate

Emphasis will be placed on developing the riders' seat and understanding the concept of "contact" with the horse's mouth. Additional concepts such as impulsion, straightness, bending and obedience will be explored. Jumping simple gymnastics, lines, and both hunter and equitation courses will be included.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 302 : Fundamentals of Riding-Advance

A continuation of Equine Studies 301.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 303 : Show Jumping Practicum III

Students in this course should be able to negotiate a 3'3"-3'6" course in proper hunter seat equitation form. This course will give the student the opportunity to ride weekly over a jumper course and jump-off pattern. Students will be able to experience show-ring competition in the jumper divisions by participating in on-campus and away horse shows. Course analysis, techniques of training show jumpers, course construction and United States Equestrian Federation rules for show jumper competition will be dealt with.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 304 : Show Jumper Practicum IV

Continuation of Equine Studies 303.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 305 : Judging, Management and Course Design.

This class will meet in lecture and practical sessions. Lectures cover the organization of horse shows under the guidelines of US Equestrian and the Intercollegiate Horse Show Association. The practical requirements will include the production of college-hosted competitions. Judging of hunters, hunter seat equitation and jumpers will also be incorporated into this class This class will meet in lecture and practical sessions. Lectures cover the judging and scoring of the Hunter, Jumper, Equitation, Dressage and Eventing disciplines. The US Equestrian rules related to governing these disciplines and course design requirements are studied in depth as well as managing shows or events in these disciplines. The practical requirements will include the production of college-hosted competitions, judging practice, course design, arena set-up and arena management.
**Semester Hours** 3.0

### EQST 306 : Equine Facilities Design & Management

This course will be a 2 part course starting with an introduction to the management of equine facilities, stable building and maintenance. The course will also explore many aspects of running a horse facility, including contracts and records, budgeting, insurance, employees, taxes, advertising, client relationships and the development of a professional attitude. The introduction of equine management software will be done in this course. Three lecture hours a week and up to 3 lab hours a week.
**Semester Hours** 4.0
**Prerequisites**
Junior status and EQST 217.

### EQST 315 : Applied Schooling I

This class will ride four hours a week. Three hours will be structured lessons. The other hour will be either a selfdirected training session or an additional structured lesson. Lecture material may also be included. This course is designed for the serious advanced rider with aspirations toward the show ring in the hunter, jumper and equitation divisions. Basic schooling concepts, flatwork and refinement of position will be stressed. Riders will negotiate different types of courses derived from the hunter, jumper and equitation rings. Riders will also experience riding horses of different levels ranging from "very green" to "extremely well schooled."
**Semester Hours** 2.0
**Prerequisites**
Instructor permission.

### EQST 316 : Applied Schooling I

Continuation of Equine Studies 315.
**Semester Hours** 2.0
**Prerequisites**
Instructor permission.

### EQST 322 : Dressage I

This is a mounted course designed to introduce the rider to the basic principles of dressage. The repetition of transitions and training figures at working gaits in regards to the USAE Introductory and Training Level tests will be applied. The main emphasis is the realization that every horse and rider, regardless of his or her discipline, can benefit from dressage training. Students may also learn through lectures and videos on riding techniques. The USAE and USDF rules governing dressage competitions will be studied.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 323 : Dressage II

This course is a mounted class designed for the intermediate Dressage rider and to be a continuation for those that have mastered the skills in Dressage I. More advanced figures and tests will be studied and practiced. This course is geared to the Training and First levels of Dressage. The USAE and USDF rules governing dressage competitions will be studied. Students may also learn through lectures and videos on riding techniques.
**Semester Hours** 1.0
**Prerequisites**
EQST 322 and/or instructor permission.

### EQST 324 : Methods of Teaching

This course will introduce the skills and techniques used to teach riding students of various levels and age groups. This course will analyze the rider's position and its use. Students will learn basic philosophies of teaching and how the student learns as well as develop their knowledge of the materials they will be teaching. This course will be presented through lectures, teaching labs and assistant teaching.
**Semester Hours** 3.0
**Prerequisites**
Junior or senior status or instructor permission.

### EQST 325 : Beginning Training Methods

This course will focus on training the young, inexperienced horse that has never been ridden. Topics covered will include how the horse learns, longeing and long lining, bitting, starting a young horse under saddle and over fences, correct use of training equipment. Introducing the inexperienced horse to new situations, and techniques of choosing young training prospects. Classes will involve lecture as well as practical demonstrations.
**Semester Hours** 3.0
**Prerequisites**
Instructor permission.

### EQST 326 : Equine Nutrition

This course will cover the physiology of digestion as related to the horse and its utilization of water, carbohydrates, lipids, proteins, vitamins, and minerals. Nutrient requirements and deficiencies will be covered. The course will also stress the practices of basic principles of nutrition in developing and balancing rations for horses.
**Semester Hours** 3.0

### EQST 327 : Farrier Science

This course is designed to acquaint the student with the science and art of horseshoeing. Topics to be covered will include anatomy of the leg and foot, corrective shoeing, diseases, abnormalities and unsoundnesses of the foot, as well as actual shoeing procedures. Three lecture hours per week plus practical work as assigned.
**Semester Hours** 3.0

### EQST 333 : Horse Show Industry Workshop

Students will work with outside professionals such as judges, stewards and show managers to learn how to run a large "A" level horse show.
**Semester Hours** 1.0

### EQST 335 : Equine Anatomy/Physiology/First Aid

An in-depth study of the anatomy and physiology of the horse. This course will cover the basic evolutionary changes and functioning of the skeletal, muscular, circulatory, respiratory, digestive, urinary, reproductive and integumentary systems of the horse. In addition, first aid for diseases, unsoundnesses and emergency situations will be dealt with.
**Semester Hours** 3.0
**Prerequisites**
Junior or senior status.

### EQST 336 : Methods of Teaching II

A continuation of Equine Studies 324 with emphasis on hands-on experience. Students will be required to teach Fundamentals classes under the supervision of Equine Studies faculty. Class will also meet in a discussion setting to evaluate problems and developments.
**Semester Hours** 3.0
**Prerequisites**
EQST 324, junior or senior status, or instructor permission.

### EQST 343 : Eventing I

This course is designed to introduce the student to a horse trial. The three phases comprising a trial (dressage, crosscountry and stadium jumping) and the United States Eventing Association and USA Equestrian rules governing them will be studied and practiced. Exercises are geared to the beginner novice and novice levels of eventing.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 344 : Eventing II

A continuation of the skills acquired in Equine Studies 343. Exercises are geared toward training level eventing and above. Students will learn to develop conditioning programs for the event horse as well as to introduce green horses to cross-country jumping.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 352 : Show Hunter Practicum

This is a mounted class where students will become familiar with training and riding the show-ring hunter. Techniques to improve the jumping form of the horses will be emphasized. Methods to use in the schooling ring, as well as solutions for problem horses, will be explored.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 360 : Conformation & Selection

This course will familiarize the student with critiquing the conformation of the horse. Ideal traits as well as defects will be discussed. The way conformation affects movement and performance suitability will also be covered. Two lecture hours and additional practical work as assigned.
**Semester Hours** 3.0

### EQST 370 : Equine Assisted Activities and Therapies I

Equine Assisted Activities and Therapies I is a lecture based course that introduces students to the practice of utilizing equines in a therapeutic setting. The course will provide a comprehensive examination of the physical, cognitive and emotional benefits of equine assisted therapy for a variety of populations. Along with studying the history and benefits of equine assisted therapies students will also understand the selection and training of therapy horses, how to provide a safe and appropriate setting for sessions, best practices for case notes and client interactions, and how to properly utilize the EAGALA model of practice.

The EAGALA (Equine Assisted Growth and Learning Association) model of practice will be utilized, centering on ground-based activities with the horses, and therefore there will be no emphasis on mounted sessions with clients/ patients.
**Semester Hours** 3.0

### EQST 371 : Equine Assisted Activities and Therapies II

Equine Assisted Activities and Therapies II is a lecture and lab-based course that builds upon the principles discussed in Equine Assisted Activities and Therapies I. This course provides students the opportunity to practice the EAGALA (Equine Assisted Growth and learning Association) model through hands-on labs throughout the semester. This course may also include opportunities to travel to other therapeutic equine centers within the local community.
**Semester Hours** 3.0

### EQST 401 : Fundamentals (advanced)

Riders at this level should have an understanding of "putting a horse on the bit" and "seeing distances." Flat work sessions will include work on collection and flexion. Jumping advanced equitation courses like those found in USET classes will be dealt with.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 402 : Fundamentals (Advanced)

Continuation of Equine Studies 401.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 403 : Show Jumping Practicum V

Students in this course should be able to negotiate a 3'6"-4' course in proper hunter seat equitation form. This course will give the student an opportunity to ride weekly over a jumper course and jump-off pattern. Students will be able to experience show-ring competition in the jumper divisions by participating in on-campus and away horse shows. Course analysis, techniques of training show jumpers, course construction and the United States Equestrian Federation rules for show-jumper competitions will be dealt with.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 404 : Show Jumping Practicum Vi

Continuation of Equine Studies 403.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### EQST 415 : Applied Schooling II

This course is designed for the student wanting to gain an intensive concentration in the areas of the care of the horse, a complete understanding of the rider's position, classical flatwork as it relates to the horse, hunter, jumper and equitation performance requirements, and various techniques to improve each through the conditioning and development of the horse. This class will meet in regular, self-directed and additional group sessions. Lecture material will also be presented.
**Semester Hours** 2.0
**Prerequisites**
Instructor permission.

### EQST 416 : Applied Schooling II

Continuation of Equine Studies 415.
**Semester Hours** 2.0
**Prerequisites**
Instructor permission.

### EQST 418 : Equine Health Management

This course will allow the student to put into practical application information gained in other classes taken in the Equine Studies major. A structured lab session will be used to illustrate concepts that may previously have been encountered only in a lecture setting. Students will be assigned management time at the Riding Center where they will deal with personnel as well as horses and will learn to handle management problems as they occur on a daily basis. This class will also help to prepare students to take the competency/proficiency exams at the end of the senior year.
**Semester Hours** 3.0
**Prerequisites**
Junior or senior status.

### EQST 420 : Senior Seminar

**Semester Hours** 3.0

### EQST 422 : Advanced Dressage

This course is a mounted class designed for the advanced Dressage rider and to be continuation for those that have mastered the skills in Dressage II. Students in this course should be familiar with lateral work, collected and extended gaits. The student should be comfortable sitting the trot on a variety of horses for the duration of each class. Work in this class is geared at First level and above. The USAE and USDF rules governing dressage competitions will be studied.
**Semester Hours** 2.0

### EQST 424 : Equine Studies Research

Students gain hands-on experience with research by assisting with ongoing equine nutrition and exercise physiology research projects. May be repeated for credit.
**Semester Hours** 1.0
-3
**Prerequisites**
Instructor permission.

### EQST 434 : Independent Study

This course offers on-the-job experience in stable management, training, or instructing for Equine Studies majors. May be repeated for credit.
**Semester Hours** 3.0
**Prerequisites**
Junior or senior status. Departmental and instructor approval.

### EQST 435 : Equine Health & Breeding

This course will stress reproductive physiology and genetics of the horse. Topics include selection, breeding systems, breeding contracts, and keeping accurate records.
**Semester Hours** 3.0
**Prerequisites**
Junior or senior status.

### EQST 450 : Equine Exercise Physiology

**Semester Hours** 3.0

### EQST 470 : Equine Studies Internship

On-the-job experience for majors in various segments of the horse industry.
**Semester Hours** 3.0
**Prerequisites**
Junior or senior status. Departmental approval.

# Exercise Science and Health Sciences

### EXSC 110 : Introduction to Exercise Science

An introduction to exercise science as a field of study. This course addresses human movement as it applies to prevention, health, performance, treatment, and rehabilitation. Course content includes an overview of exercise physiology, sport and exercise psychology, sociocultural aspects of sport and exercise, strength and conditioning, motor development, and biomechanics.
**Semester Hours** 3.0

### EXSC 213 : Medical Terminology

This course will allow the student to learn and use medical terminology effectively through a body systems approach. In this course, students will learn and recognize word roots, combing forms, prefixes, and suffixes used in medical language. Learn how to combine elements to identify specific medical conditions and procedures as well as comprehend their definition and know the correct spelling and usage. In addition, students will learn to use and understand appropriate medical abbreviations commonly used in documentation and professional communication.
**Semester Hours** 3.0

### EXSC 261 : Applied Anatomy & Kinesiology

Structural anatomy and its applications to performance. Exploration of biomechanical concepts of human movement.
**Semester Hours** 3.0

### EXSC 270 : Motor Learning

Theories and principles associated with the acquisition of motor skills ranging from activities of daily living to the performance of elite athletes. The cognitive and motor processes that influence motor skill acquisition and the quality of movement will also be discussed.
**Semester Hours** 3.0

### EXSC 285 : Research Experience in Exercise Science

Hands-on research experience through assistance in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
Permission of the faculty member directing the project.

### EXSC 286 : Research Experience in Exercise Science

Hands-on research experience through assistance in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
Permission of the faculty member directing the project.

### EXSC 287 : Research Experience in Exercise Science

Hands-on research experience through assistance in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
Permission of the faculty member directing the project.

### EXSC 288 : Research Experience in Exercise Science

Hands-on research experience through assistance in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
Permission of the faculty member directing the project.

### EXSC 310 : Exercise Physiology

Organ level approach to structure and function of human systems; laboratory emphasis on physiology of exercise. Recommended for Health and Human Performance majors.
**Semester Hours** 4.0
**Prerequisites**
BIOL 105 or 117.

### EXSC 320 : Fitness Assessment & Programmig

Principles and techniques for assessing cardiovascular endurance, muscular strength, endurance, flexibility, and body composition. Interpretation of fitness assessment results will be applied to the design of individual and group exercise program.
**Semester Hours** 4.0
**Lab Hours** 3
**Prerequisites**
EXSC 310X.

### EXSC 336 : Advanced Strength and Conditioning

Principles of designing and implementing strength and conditioning programs for various populations.
**Semester Hours** 3.0
**Prerequisites**
EXSC 261X and departmental permission. Prerequisite or corequisite: BIOL 310.

### EXSC 337 : Program Design

An overview of performance training guidelines and training protocols. The purpose of this course is to expose students to training domains that improve performance and to enhance student ownership of variable manipulation to improve performance.
**Semester Hours** 3.0

### EXSC 350 : Special Topics

**Semester Hours** 3.0

### EXSC 370 : Nutrition

Proper nutrition as it relates to preventing illness and recovering from injury in both the athletic and the non-athletic population. The effect that nutrition has on athletic performance. Nutrition-related disorders.
**Semester Hours** 3.0

### EXSC 410 : Exercise Testing & Prescription for Spec

Exercise testing and prescription for patients/clients with specific diseases or conditions. The associated pathophysiology, risk factors, exercise responses, and issues of concern will be discussed as they relate to children, pregnancy, older adults and those with disease(s) involving the cardiovascular, pulmonary, metabolic, musculoskeletal, neuromuscular, and immunologic systems. Three lecture hours and three laboratory hours.
**Semester Hours** 4.0
**Lab Hours** 3

### EXSC 420 : Therapeutic Interventions

**Semester Hours** 3.0

### EXSC 430 : Therapeutic Interventions

This course will explore the application of electrical, mechanical, and infrared modalities used to assist the body's natural healing process. Theories of pain control will also be discussed. This course will also explore basic therapeutic exercises and how each relates to patient progression and recovery from injury.
**Semester Hours** 3.0
**Lab Hours** 0

### EXSC 440 : Research in Exercise Science

Introduction to experimental research. Areas of investigation will include research design, methodology, data collection, statistical analysis, scientific writing, and presentation styles.
**Semester Hours** 4.0

### EXSC 460 : Independent Study

Individual experimental or theoretical research approved and directed by the department.
**Semester Hours** 4.0

### EXSC 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Weekly departmental conferences with faculty supervisor. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0

### EXSC 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Weekly departmental conferences with faculty supervisor. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0

### EXSC 490 : Honors Thesis I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### EXSC 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

# General Studies

### GNST 100 : Learn Strat for Coll Success

Instruction in the utilization of essential learning strategies to promote collegiate and lifelong learning. Personal habits of successful learners, academic ethics, time management, class discussion skills, and critical reading.
**Semester Hours** 1.0

### GNST 120 : Transitioning to College

This course will provide guidance in what first semester students are expected to know in terms of organization, class notes, reading texts, and time management. The course will also give students the opportunity to process the challenges of making the transition to college, through discussion and reflection about their experiences in their first semester. Generalized instruction will transform to applied mentoring based on individual students' course schedules. In addition to class, students will meet individually with the instructor for a minimum of three times. Permission of Instructor. This course is required for conditionally admitted students and cannot be repeated for credit; nor can it be taken for credit by students who have completed GNST 100 which will also satisfy the requirement for conditional admittance.
**Semester Hours** 1.0

### GNST 123 : Mathematics Study Skills

This class will focus on common topics that students at all levels of mathematics struggle with. The course will increase student's facility with basic algebraic manipulation and mathematical visualization necessary for success in college mathematics courses. Students will gain mathematics specific study skills, learn techniques to combat mathematics anxiety, and become familiar with self-help resources available. This course may not be repeated for credit.
**Semester Hours** 2.0
**Prerequisites**
Departmental permission.
**Corequisites**
MATH 121 or MATH 124

### GNST 130 : Strategies for Collegiate Success

This course is designed to teach the skills necessary to succeed in higher education and life as a college student. These include a variety of things such as reading a syllabus, Moodle skills, PebblePad exploration, managing time, maintaining motivation, studying, taking notes, and more. Many of us have never been taught these skills, but are expected to demonstrate them at the college level. The study habits that have allowed students to graduate high school for example might not transfer well to a collegiate level class. The goal of this course is to define and emphasize skills that will help you to reach your academic, personal, and interpersonal goals during your college experience. *This is a course specifically modified for the Winter Term.*
**Semester Hours** 1.0

### GNST 150 : Strategies for Academic Success

Focus on wide range of practical study skills and critical thinking strategies with emphasis on self-discovery and self-definition to help students meet the challenge of college courses. Completion of this course is required of all students on Academic Warning or Academic Probation.
**Semester Hours** 1.0

### GNST 151 : Strategies for Academic Success II

Review of academic strategies and study skills developed in General Studies 150 with emphasis on identifying individualized goals and objectives to help students achieve success in their educational experience. Completion of this course is required of all students who have passed General Studies 150 but in any subsequent semester are on Academic Warning or Academic Probation.
**Semester Hours** 1.0

### GNST 202 : Career & Major Exploration

This course will allow students a space to explore majors and subsequently careers related to their individual interests, skills, values, and personality type through career assessments, occupational resources, and informational interviews. Students will develop skills for career exploration, research, and reflection that will be applicable to their academic career and life after college.
**Semester Hours** 1.0

### GNST 203 : Transition to the World of Work

Obtain the skills and resources needed for a successful internship or job search which will lead to meaningful employment upon graduation. Learn how to translate the advantages of a liberal arts degree into effective application materials and interviewing. Explore career possibilities by major; research all facets of a career from education required, to job outlook, to salary; determine the most beneficial internship and job search resources and strategies; create a strong resume and cover letter; conduct an actual internship or job search; and connect with professionals in careers of interest.
**Semester Hours** 1.0

### GNST 204 : Introduction to Libraries

An introduction to libraries and library science covering major library purposes, components, and functions in public, school, academic, and special libraries. Students will explore professional values, foundational knowledge, as well as career options in the field of library and information science.
**Semester Hours** 1.0

### GNST 205 : Introduction to Healthcare Professions

An overview of the healthcare professions including a description of the responsibilities associated with each profession, appropriate undergraduate preparation, and steps in the application process. Students will develop personal educational plans to pursue entrance into their desired healthcare field.
**Semester Hours** 1.0

### GNST 250 : Special Topics

Topics of interest to students in a variety of disciplines, offered at the discretion of instructors and departments. May be cross-listed; may be repeated for credit. One-half to three semester hours.
**Semester Hours** 3.0

### GNST 400 : Study Abroad

Study at a college or university outside the United States with which Emory & Henry has an exchange agreement. Minimum of twelve credit hours.
**Semester Hours** 1.0
-12

### GNST 401 : Semester A Trail

**Semester Hours** 1.0
-12

# Geography and Earth and Environmental Sciences

This department serves students interested in careers or graduate education in geography, earth science or environmental studies.

The **Geography** program provides a broad-based background for students planning a career in public service, teaching, or advanced study in geography.
**Objectives:** To produce geographically informed citizens who understand the world in spatial terms; to support the education of geography teachers; and to graduate majors who can succeed in geography graduate school and apply geographical thinking in a wide range of activities and careers.

The **Environmental Studies** program prepares students for employment or graduate study through interdisciplinary education in both scientific and policy-related aspects of the earth's ecosystems. The capstone course for all students in the major is the senior seminar, in which students from both tracks meet and study current research relevant to key debates on the environment. Each track contains appropriate contextual and support courses; a minor or contextual and support area is not needed for this program.
**Objectives:** To provide a basis for sound decision-making through knowledge of environmental science and policy; to create respect for the multi-faceted and interdisciplinary nature of environmental problems; to provide an awareness of the global dimensions of environmental issues, and of the links between local and global scales; to develop skills for analysis and communication proper to the field of environmental studies; to furnish students with service experience through internships in environmental organizations; and to forge stronger connections between the university and its region through service on local environmental issues.

Earth science courses are offered at Emory & Henry as an adjunct to and support for teacher licensure and for majors in environmental studies, geography, and land use analysis and planning. A full major is not offered in this area. Students seeking teacher licensure in earth science must complete a major in geography, biology, chemistry, or physics, and 24 semester hours in earth science, including geology, oceanography, astronomy, and meteorology. Approved courses from environmental studies may be used as elective credit in the earth science licensure program.

**EARTH SCIENCE LICENSURE**

Students planning to teach may obtain licensure for geography and earth science by completing a geography major and 24 semester hours in earth science, including geology, oceanography, astronomy, and meteorology. Approved courses from environmental studies may be used as elective credit in the earth science licensure program. Students pursuing licensure to teach must notify the Neff Center and be assigned an individual advisor from the Education Department

### ENVS 100 : Intro to Environmental Studies

Study of the earth's environmental systems and of the role of humans in those systems. Focus on the major policy and scientific developments and debates, including such topics as nuclear waste disposal, depletion of stratospheric ozone, global climate change, water pollution, and loss of biodiversity.
**Semester Hours** 3.0

### ENVS 200 : Environmental Monitoring

Study of human effects on the biosphere and the physical and chemical techniques used to monitor environmental quality. Waste disposal, recycling, energy utilization, industrial pollution, pesticide use, water quality, and regulatory instruments such as the Environmental Protection Act. Quantitative monitoring of air, water, and general environmental quality. Analytical methods and use of modern instrumentation, including gas chromatography, mass spectroscopy, high pressure liquid chromatography, and potentiometric methods.
**Semester Hours** 4.0
**Prerequisites**
CHEM 111.

### ENVS 205 : Environment & Planning

Introduction to contemporary environmental issues and problem solving at various geographic scales. Particular attention given to planning approaches to environmental issues.
**Semester Hours** 3.0

### ENVS 206 : Organic Food Production

This course covers the basic principles and methods of organic production of crops, including composting, crop rotation, soil fertility, crop planning and seed ordering for organic production. Students will work in the college vegetable garden as part of the course, practicing all aspects of commercial garden management.
**Semester Hours** 3.0

### ENVS 207 : Advanced Organic Food Production

This course will focus on the implementation of plans developed in ENVS 206 for the organic production of crops, including soil management and preparation, seed starting, seeding and transplanting, irrigation, harvest and post-harvest handling, and seed saving. Students will work in the college vegetable garden and greenhouse as part of the course, in all aspects of farm management.
**Semester Hours** 3.0

### ENVS 212 : Environmental Geology

Relations between society and the geologic environment. Focus on geologic hazards such as floods, landslides, volcanoes, and earthquakes; geologic resources such as metals, fossil fuels, and water; and environmental challenges such as groundwater contamination. Lab includes required field trips.
**Semester Hours** 4.0

### ENVS 225 : Sustainable Agriculture in Appalachia

Agriculture is the largest single land use on our planet. This course examines both conventional and unsustainable agriculture and their impacts on our environment. We review design and management of plant crops and animal husbandry systems and the sustainability of these procedures for our region and for our planet.
**Semester Hours** 3.0
**Prerequisites**
ENVS 100.

### ENVS 245 : Applied Ecology and Field Biology

This course will cover ecology concepts and discuss human interactions within each level of ecology (population, community, and ecosystem ecology). We will focus on applying ecological concepts in laboratory and field studies, and experience how ecologists and field biologists design, carry out, and communicate scientific research.
**Semester Hours** 4.0

### ENVS 285 : Research Experience Envs Study

Research experience through assistance in faculty-led research projects.
**Semester Hours** 1.0
**Prerequisites**
ENVS 100 and permission of the faculty member directing the project.

### ENVS 286 : Res. Exper. in Environ'l Topic

Research experience through assistance in faculty-led research projects.
**Semester Hours** 1.0
**Prerequisites**
ENVS 100 and permission of the faculty member directing the project.

### ENVS 287 : Res. Exper. in Envir'l. Topics

Research experience through assistance in faculty-led research projects.
**Semester Hours** 1.0
**Prerequisites**
ENVS 100 and permission of the faculty member directing the project.

### ENVS 288 : Research Exp. in Envir. Topics

Research experience through assistance in faculty-led research projects.
**Semester Hours** 1.0
**Prerequisites**
ENVS 100 and permission of the faculty member directing the project.

### ENVS 300 : Wildlife Monitoring & Mgmt

Modern techniques used by field researchers for monitoring individuals and populations of various animal groups important in the Appalachian region. Modern issues and approaches to habitat and species management. Emphasis on research methods.
**Semester Hours** 4.0
**Lab Hours** 3
**Prerequisites**
ENVS 100 and STAT 161.

### ENVS 320 : Hydrology

Study of the movement, distribution, and quality of fresh water throughout the Earth. Focus on the hydrologic cycle, water resources, watershed sustainability, hydrologic modeling, and the influence of climate, geology, and human activity on the hydrosphere. The lab component requires fieldwork.
**Semester Hours** 4.0
**Prerequisites**
ESCI 111 or 112, and MATH 124.

### ENVS 322 : Environmental Policy

Historical development and current assessment of policy for environmental protection. Emphasis on the geographic nature of policies, resulting from the interplay of local, state, and federal governments and non-governmental organizations.
**Semester Hours** 3.0

### ENVS 350 : ST: Environmental Studies

Selected topics in environmental science and/or policy. Topics chosen by instructors in consultation with students.
**Semester Hours** 4.0

### ENVS 450 : Seminar in Environmental Studies

Advanced study of selected topics in environmental policy and science, including guest lectures and presentations by faculty and students. Open to senior Environmental Studies majors or by permission of instructors.
**Semester Hours** 3.0

### ENVS 460 : Independent Study

Independent research under faculty supervision by students either in the policy track or in the science track.
**Semester Hours** 4.0
**Prerequisites**
Senior status or instructor permission; permission of program director.

### ENVS 470 : Internship I

field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0
**Prerequisites**
Junior or senior status, departmental permission, and completion of coursework appropriate to the field work.

### ENVS 471 : Internship II

field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0
**Prerequisites**
Junior or senior status, departmental permission, and completion of coursework appropriate to the field work.

### ENVS 490 : Honors Thesis I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### ENVS 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### ESCI 111 : Physical Geology

Study of rocks and minerals, forces and processes that alter the earth's surface, and mechanisms that contribute to the constantly changing earth. Earth materials, plate tectonics, erosion, volcanism, and diastrophism. Lecture, laboratory, and field work hours.
**Semester Hours** 4.0

### ESCI 112 : Historical Geology

Past events in earth's history as interpreted by record of the rocks. Major geologic periods, continuity of change, and evolutionary progress of life.
**Semester Hours** 4.0
**Prerequisites**
ESCI 111 or departmental permission.

### ESCI 201 : Weather & Climate

Meteorological and climatological principles presented as background to understanding the global geography of climates. Special emphasis on understanding the relationships between climate and vegetation, and climate and human activities.
**Semester Hours** 3.0

### ESCI 202 : Geomorphology

Examination of landforms in relation to tectonics, climatic environment, and geologic processes. Special emphasis on understanding the development and evolution of the Appalachian Mountains. Required field trips.
**Semester Hours** 3.0

### ESCI 350 : St: Geog. & Earth Science

Special studies offered according to needs of students. Emphasis on remote sensing, cartography, environmental geology, and other topics for students in geography, land use planning, environmental studies, and archeology.
**Semester Hours** 3.0

### GEOG 111 : Human Geography

Natural forces influential in shaping cultural patterns that evolved in human history. Relationship of humankind to such elements as climate, terrain, vegetation, and world location. Cultural forces affecting humankind.
**Semester Hours** 3.0

### GEOG 201 : Weather & Climate

Meteorological and climatological principles presented as background to understanding the global geography of climates. Special emphasis on understanding the relationships between climate and vegetation, and climate and human activities.
**Semester Hours** 3.0

### GEOG 202 : Geomorphology

Examination of landforms in relation to tectonics, climatic environment, and geologic processes. Special emphasis on understanding the development and evolution of the Appalachian Mountains. Required field trips.
**Semester Hours** 3.0

### GEOG 245 : Geography of the Middle East

The Middle East as a cultural crossroads; the region's rich diversity of people, life, and landscape; and its dependence on oil production and scarce water supplies.
**Semester Hours** 3.0

### GEOG 316 : History and Geography of VA and TN

Comparative study of geography and history of two southern states. Emphasis on teacher responsibilities in the public schools with regard to the standards of learning.
**Semester Hours** 3.0

### GEOG 331 : Geography of US & Canada

Regional survey of the U.S. and Canada with the human-use region forming the focal point in the study. Examination of climate, soils, vegetation, terrain, economic resources, historical background, present pattern of population, and general character of the economy of each region.
**Semester Hours** 3.0

### GEOG 340 : Geographic Information Systems

Introduction to geographic information systems with a focus on concepts, data management, and applications in geographic research, planning, business, and environmental studies. Use of ArcGIS software with both raster and vector data structures.
**Semester Hours** 3.0

### GEOG 350 : Selected Topics in Geography

Special studies offered according to needs of students. Emphasis on remote sensing, cartography, environmental geology, and other topics for students in geography, land use planning, environmental studies, and archeology.
**Semester Hours** 3.0

### GEOG 370 : Field Study in Geography

Methods and activities in field research, through investigations conducted at off-campus sites. One-half to three semester hours.
**Semester Hours** 3.0

### GEOG 390 : Adv Geog Information System

Principles of geodatabase design, spatial modeling, and application of these techniques with both vector and raster data structures. A project-based course, using ArcGIS software in a computer laboratory setting.
**Semester Hours** 3.0

### GEOG 460 : Independent Study

Advanced independent research in a specific area of geography, under the supervision of a faculty member.
**Semester Hours** 4.0
**Prerequisites**
Junior or senior status, departmental permission.

# Global Scholars Leadership

Learning Objectives & Outcomes

After completing the Global Scholars Leadership Program, student will be able to

1. Identify and appreciate diversity in cultures, languages, politics, and belief systems. (courses in modern languages, social science, CORE 300, religion, humanities, lyceum programs, and GLBL 100)
2. Describe and analyze the meaning of being a global citizen including global interdependence, social responsibility, and shared human rights. (CORE 300 and global citizenship assessment)
3. Demonstrate cultural fluency and promote good will through personal interactions and cultural exchange both in the campus community and abroad. (through co-curricular, community, and study abroad experiences, GLBL 300)
4. Apply global leadership skills to support their personal and professional goals and enhance their competitiveness in the 21st century job market. (leadership roles, professional development, career center workshops, resume/cv development, GLBL 100, GLBL 300)
5. Develop intercultural competence to practice lifelong global citizenship by living, communicating, and operating within different cultural and linguistic systems. (study abroad & language courses, GLBL 200)
6. Implement their problem-solving and critical thinking skills while considering the human experience throughout the world. (study abroad, leadership roles, CORE 300, language courses, community outreach, GLBL 300)

### GLBL 100 : Global Leadership - Intercultural Learning

An Introduction to intercultural learning, cultural literacy, global leadership, and social change by providing framework for students to develop the skills necessary to work and live effectively with people form different countries and cultures. Pass/Fail.

**Semester Hours** 1.0
**Prerequisites**
Enrollment in Global Scholars Leadership Program.

### GLBL 200 : Global Leadership - Study Abroad Reflection & Integration

While abroad, students critically reflect upon their study abroad experience and integrate the experience into their professional, personal, and academic life. Issues addressed include the choice of study abroad location, expectations of the host country, identity, globalization, health, human rights, and sustainability. Using a variety of tools that may include journals, blogs, social media, photography, videos, and essays, students integrate their study abroad experience into their other learning and present it in their Global Scholars Portfolio. Pass/Fail.
**Semester Hours** 1.0
**Prerequisites**
Enrollment in the Global Scholars Leadership Program.

### GLBL 300 : Global Leadership - Professional Development

Students apply and integrate their Global Scholars Leadership Program experience as active campus leaders. Students participate in a variety of hands-on activities including the Global Street Party, International Student Buddy Program, Study Abroad Fair, Lyceum programs, and a selection of international education activities They are develop a curriculum vitae/resume and professional portfolio that reflects their Global Scholars Leadership Program participation. Pass/Fail.
**Semester Hours** 1.0
**Prerequisites**
Enrollment in the Global Scholars Leadership Program.

# Health and Human Performance

**HHP 101 : Wellness**

**HHP 102 : Golf**

**HHP 104 : Fly Fishing**

**HHP 105 : Archery**

**HHP 106 : Track and Field**

**HHP 107 : Ballroom Dance I**

**HHP 108 : Ballroom Dance II**

**HHP 110 : Tennis**

**HHP 112 : Indoor Racquet Sports**

**HHP 114 : Rhythmic Activities**

**HHP 115 : Walking and Mindfulness**
**Semester Hours** 0.5

**HHP 116 : Fitness Walking I**
**Semester Hours** 0.5

**HHP 117 : Fitness Walking II**
**Semester Hours** 0.5
**Prerequisites**
HHP 116.

**HHP 120 : Soccer**

**HHP 130 : Basketball**

**HHP 132 : Volleyball**

**HHP 136 : Physical Fitness & Condition**

**HHP 142 : Intermediate Tennis**

**HHP 146 : Modern Dance**

**HHP 150 : Special Activity Topics**

**HHP 154 : Swimming Skills**

**HHP 156 : Lifeguarding**

**HHP 158 : Water Safety Instruction**

**HHP 162 : Rock Climbing**

**HHP 164 : Hiking/Backpacking**

**HHP 168 : Mountain Biking**

**HHP 170 : Self Defense for Women**

**HHP 172 : Yoga**

**HHP 174 : Bowling**

**HHP 176 : Intro to Adventure Sports**

**HHP 178 : Intro to Whitewater Kayaking**

**HHP 201 : Women, Sport, and Culture**
History, evolution, and current role of women in sport from a sociocultural perspective. Social norms in sport and society specific to gender, sexuality, race, and class. Masculinity, femininity, and non-binary cultural ideologies shaped through sport. Involvement of women in sport and physical activity and challenges associated with recognition and legitimacy. Impact of women in shaping a traditionally male domain.
**Semester Hours** 3.0

**HHP 211 : Foundations of Health & Safety & Phys Ed**
Principles and philosophy of safety, health, and physical education including liability; historical, psychological, and biomechanical influences; and contributions to general education. Organization and administration of modern programs in levels K-12.
**Semester Hours** 3.0

**HHP 220 : Prevention & Care of Athletic Injuries**
Preventive measures emphasizing proper conditioning, safe equipment, and facilities. Physiological and anatomical analysis. Practical experience dealing with wraps, taping, therapeutic techniques, and rehabilitative exercises.
**Semester Hours** 3.0

### HHP 222 : Recreation, Health & Physical Education

Health and physical education activities in public schools and community recreation. Needs, characteristics, and experiences at all grade levels. Attention to issues in safety and school health and a variety of recreational activities and skills.
**Semester Hours** 3.0

### HHP 223 : Prevention, Care & Safety Education

Preventive measures emphasizing proper conditioning, safe equipment, and facilities. Physiological and anatomical analysis. Practical experience including first aid, CPR, universal precautions, wraps, taping, therapeutic techniques, and rehabilitative exercises.
**Semester Hours** 3.0

### HHP 231 : Personal Health

Cardiovascular disease, cancer, body systems, reproduction, birth, sexually transmitted diseases, drugs, alcohol, tobacco, nutrition, non-communicable diseases, and communicable diseases.
**Semester Hours** 3.0

### HHP 233 : Dimensions of Wellness

Assessment of wellness dimensions, self-responsibility and self-management, prevention of common injuries associated with physical fitness, weight management based on predicted basal metabolism rate and body composition, cancer prevention, and planning wellness.
**Semester Hours** 3.0

### HHP 241 : Foundations of Traffic Safety

Behaviors, attitudes, and skills associated with proper driving fundamentals. Teacher preparation students will utilize the Administrative and Curriculum Guide for Driver Education in Virginia and cover the code of Virginia as it relates to motor vehicles.
**Semester Hours** 3.0

### HHP 261 : Applied Anatomy & Kinesiology

Structural anatomy and its applications to performance. Exploration of biomechanical concepts of human movement.
**Semester Hours** 3.0

### HHP 310 : Exercise Physiology

Organ level approach to structure and function of human systems; laboratory emphasis on physiology of exercise. Recommended for Health and Human Performance majors.
**Semester Hours** 4.0
**Prerequisites**
BIOL 105 or 117.

### HHP 324 : Coaching and Officiating Sports

Offensive and defensive fundamentals for a variety of sports, including rules, regulations, and governing organizations.
**Semester Hours** 3.0
**Prerequisites**
HHP 211.

### HHP 325 : Education and Sport in a Global Society

A comparative exploration of education and sport in developed and developing countries drawing on several disciplines to examine the role that both play in individual and national development. The corresponding CORE 240 course, offered every other year, satisfies the Global Citizenship/Study Abroad requirement.
**Semester Hours** 3.0

### HHP 334 : Evaluation in Physical Education

Techniques of selecting, constructing, administering, scoring, interpreting, and utilizing tests in health and physical education at K-12 levels.
**Semester Hours** 3.0

### HHP 335 : Phed for Exceptional Children

Adapted physical education with practical application in county school programs for students enrolled in special education. Program planning, psychological needs and characteristics, activities for exceptional children in levels K-12.
**Semester Hours** 3.0
**Prerequisites**
HHP 211, 222, or departmental permission.

### HHP 336 : Leadership in Sports & Society

Planning, organization, and administration of recreation programs with emphasis on individual ability to conduct and lead recreation. Applied experience in campus and community.
**Semester Hours** 3.0
**Prerequisites**
Junior status.

### HHP 341 : Principles of Method Class In-Car Instruction

Basic methods and techniques in teaching driver education. Includes twenty hours of behind-the-wheel instruction.
**Semester Hours** 3.0
**Prerequisites**
HHP 241, junior status, teacher preparation students only.

### HHP 350 : Special Topics in Physical Education

Selected issues in sports medicine, recreation, and physical education. Topics may be chosen by full-time faculty/staff in the department, in response to student needs.
**Semester Hours** 4.0

### HHP 410 : School and Community Health

School and Community Health Total School Health Program, including health instruction, healthful school environment, and school health services. Planning, implementing, and evaluating the school health program. Methods and materials in teaching health education. Health in the community health agencies and community health services.
**Semester Hours** 3.0
**Prerequisites**
Junior or senior status, or instructor permission.

### HHP 411 : Social and Psychological Dimensions of Sport

Sport as a microcosm of society and the influences of traditions and values on sport. Psychological influences on participants and spectators.
**Semester Hours** 3.0
**Prerequisites**
Junior status or departmental permission.

### HHP 412 : Skills & Tech in Teaching Phed

Applied experience in teaching fundamentals and advanced skills using basketball, soccer, racquetball, mass games, fitness, and track and field as models.
**Semester Hours** 3.0
**Prerequisites**
Junior status or departmental permission.

### HHP 430 : Sports & Facility Mgmt

Analysis and evaluation of sport manager responsibilities, including event management, marketing, and facility design.
**Semester Hours** 3.0

### HHP 460 : A & B Independent Study

Supervised research and independent study in selected areas. Offered to advanced students on individual basis with permission of instructor and department chairperson.
**Semester Hours** 4.0

### HHP 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0

### HHP 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0

# Health Sciences

### HSCI 105 : Introduction to Healthcare Professions

An overview of the healthcare professions including a description of the responsibilities associated with each profession, appropriate undergraduate preparation, and steps in the application process. Students will develop personal educational plans to pursue entrance into their desired healthcare field.
**Semester Hours** 1.0

### HSCI 180 : Introduction to Population Health

Comparison between health, population health, and public health; health literacy; health behavior change and motivation; factors that enhance or lessen health.
**Semester Hours** 3.0

### HSCI 200 : What Makes a Healthy Society? (Social Determinants of Health)

Exploration of the complex factors that impact health and wellness in our society. Five domains of social determinants of health; role of public health in society, analysis of health policies, describe what it means to be a healthy member of society.
**Semester Hours** 3.0

### HSCI 225 : Health Sciences Professional Seminar I

Includes career exploration and discernment, shadowing opportunities, and consideration of clinical and non-clinical career paths.
**Semester Hours** 1.0
**Prerequisites**
Sophomore status.

### HSCI 240 : Healthcare Policy and Law

Explore personal, societal, and ethical issues affecting health policy. Develop scientific, clinical, and social perspectives on health-related issues. Consider key ethical frameworks relevant to public health as well as current principles and mechanisms of health care policy.
**Semester Hours** 3.0
**Prerequisites**
HSCI 180 and PHIL 221.

### HSCI 301 : Epidemiology

Consideration of the causes and prevention of major health issues. Incorporation of the scientific method and applications to health policy. Applications to morbidity and mortality, wellness, disease transmission, diagnosis, population studies, and research methodology.
**Semester Hours** 3.0
**Prerequisites**
HSCI 180 and BIOL 117.

### HSCI 331 : Functioning, Disease and Health Interventions

An overview of the incidence, prevalence, causation, and prevention of the major infectious diseases and chronic diseases, and disabilities across the lifespan which are currently of concern in the twenty-first century. Signs and symptoms of disease as well as the body's defenses and disease occurrence across the lifespan.
**Semester Hours** 3.0
**Prerequisites**
HSCI 180 and BIOL 121.

### HSCI 345 : Health Sciences Professional Seminar II

Complete targeted shadowing or prep for a summer internship, develop test-taking strategies for entrance exams, and learn about the application process and timeline for their intended profession(s). Includes professional skills such as CPR/AED certification, assessment of vital signs, research methods, resume-writing and preparations for graduate applications. Also includes shadowing or clerkship.
**Semester Hours** 1.0
**Prerequisites**
Junior status.

### HSCI 363 : Healthcare Administration

The nature, organization, and functions of the continuum that delivers health services in the U.S. healthcare system. Includes general management principles and practices as found in health care organizations. Analyzes the nature and role of health policy. Reviews the roles of health care providers, managers, and consumers. The course focuses on managing change, as seen in health reform efforts, the influence of payment systems, leadership, and technological and scientific innovations. Current issues explored at global, national, state, and local levels.
**Semester Hours** 3.0
**Prerequisites**
HSCI 180.

### HSCI 401 : Health Informatics and Data Translation

Compliance, informatics, analytics, and data management/ strategies to advance individual health, healthcare, public health, and health-related research. Application of informatics skills and knowledge to health-related problems, simple data analysis and visualization of clinical data answering clinical questions using information effectively; Develop oral and written communication skills to honestly and persuasively convey health-related empirical research to technical and lay audiences.
**Semester Hours** 3.0
**Prerequisites**
HSCI 301 and junior status.

### HSCI 445 : Health Sciences Professional Seminar III

Professional preparation, including application essays/ personal statements, interview skills, and professional presentation. Prepare application materials and/or plan for gaining relevant professional experience during a gap year. Culminates with capstone showcase and/or service learning project.
**Semester Hours** 1.0
**Prerequisites**
Senior status.

### HSCI 470 : Internship

**Semester Hours** 2.0

### HSCI 485 : Research Experience

**Semester Hours** 2.0

# History

### HIST 105 : The World to 1500

Survey of the emergence and spread of major world civilizations from prehistory to 1500. Equal weight given to the civilizations of Africa, Eurasia, and the Americas.
**Semester Hours** 3.0

### HIST 110 : Modern World History

Survey of some of the major trends, events, and forces of change since 1500 with particular emphasis on exploration, revolution, imperialism, industrialization, and their consequences.
**Semester Hours** 3.0

### HIST 111 : American History to 1861

Evolution of the American constitutional republic and its ideas, institutions, and practices from the colonial period to the Civil War; the American Revolution, historical challenges of the American political system; religious traditions; immigration; the difference between a democracy and a republic; the tensions between liberty and equality, liberty and order, region and nation, individualism and the common welfare, and between cultural diversity and national unity.
**Semester Hours** 3.0

### HIST 112 : American History Since 1861

Evolution of the American constitutional republic and its ideas, institutions, and practices from the Civil War to the present; historical challenges of the American political system; religious traditions; immigration; cultural diversity; social, political, and economic transformations in American life during the twentieth century; social consequences of the Industrial Revolution and its impact on politics and culture; origins, effects, aftermath, and significance of the two world wars, the Korea and Vietnam conflicts, and the post-Cold War era.
**Semester Hours** 3.0

### HIST 122 : Modern Europe

History of early modern and modern Europe from the emergence of the Renaissance to the present.
**Semester Hours** 3.0

### HIST 123 : America and the World

Rise of America from a colonial marshland to a global superpower in the twentieth century with emphasis on such themes as war and diplomacy, the transnational and cultural dimensions of American expansion, and America's growing interaction and connections with the wider world.
**Semester Hours** 3.0

### HIST 162 : China

Chinese history from the origins of Chinese civilization to the present.
**Semester Hours** 3.0

### HIST 205 : Historical Methods

Research methods employed by historians, including a review of information technology, use of libraries and archives, and the process of writing a research paper.
**Semester Hours** 3.0

### HIST 210 : Archaeology & Prehistory

introduction to the methods of archaeological research; history of the archaeological discipline, including the origins of professional archaeology, significant theoretical developments in the field, and current issues in archaeological practice. Ways in which archaeology informs historical research and reveals the social and cultural development of prehistoric peoples on the European and North American continents.
**Semester Hours** 3.0

### HIST 220 : Economic History (US)

Study of American political economy, emphasizing forces that have determined economic growth and development since 1607; social, political, and economic transformations in American life from 1607 to the present; structure and function of the U.S. market economy as compared with other economies.
**Semester Hours** 3.0

### HIST 232 : Myth Magic Ritual-Ancient World

Religious history of the ancient Mediterranean, focusing on myth and its modern interpretations, magic as a category of activity separate from religion, and the role of ritual in the religious lives of Greeks and Romans.
**Semester Hours** 3.0

### HIST 234 : Comparative Slavery and Race in the Americas

History of African American slavery and race relations in the New World with emphasis on Brazil, the United States, and the colonial Caribbean possessions of Spain, France, and Great Britain.
**Semester Hours** 3.0

### HIST 251 : Perspectives in History

Selected case studies employing specific historical approaches or methods chosen by the instructor in response to students.
**Semester Hours** 3.0

### HIST 260 : The 1960s

This course offers a critical examination of the "long 1960s," or the political, cultural, social, and economic transformations that swept through the United States and the world from the mid-1950s to the mid-1970s. Topics include liberalism and conservatism in U.S. politics, the counterculture and student movements, the relationship between the Cold War and decolonization, and activism for civil rights, women's rights, gay rights, and environmentalism. Lectures and discussions explore how the 1960s marked a threshold between the mid-twentieth century and our current world.
**Semester Hours** 3.0

### HIST 305 : Approaching Global History

Comparative study of world regions and nations through an exploration of prominent historical themes, trends, and processes that connect cultures and societies across borders or across the globe.
**Semester Hours** 3.0

### HIST 306 : The Old South

The American South from prehistory to the Civil War, emphasizing the normative character of the experience of the region, its centrality in the formation of American culture, and the overall process of sectional differentiation.
**Semester Hours** 3.0

### HIST 307 : Civil War & Reconstruction

Origins and consequences of the American Civil War. Emphasis on regionalism, sectionalism, and nationalism; economic interdependencies and conflicts; abolitionist saints and pro-slavery divines, and other cultural counterpoints; modern war and ancient traditions; battlefield tactics and broader social strategies; compromise and the deferred commitments to equality and social justice during the post-bellum Reconstruction period.
**Semester Hours** 3.0

### HIST 309 : Studies in U.S. Women's History

Women's history in the U.S. from colonial times to the present with emphasis on the nineteenth and twentieth centuries.
**Semester Hours** 3.0

### HIST 310 : History of Christianity

History, liturgy, and doctrine of the church from approximately 100 C.E. to the present. Includes Augustine, Francis of Assisi, Luther, Calvin, Isabella of Spain, Wesley, and John XXIII.
**Semester Hours** 3.0

### HIST 316 : Hist & Geog of VA & TN

Comparative study of geography and history of two southern states. Emphasis on teacher responsibilities in the public schools with regard to the standards of learning.
**Semester Hours** 3.0

### HIST 318 : Appalachia

Analytical study of the geography and cultures of the region, as well as the social, economic, and political institutions of the people who live in Appalachia.
**Semester Hours** 3.0

### HIST 319 : Colonial & Revolutionary Ameri

Events and ideas involved in the long colonial era, especially in Virginia, and seminal intellectual and cultural conceptions of the American Revolution.
**Semester Hours** 3.0

### HIST 320 : Middle Period America

Events and ideas involved in the critical formative period of nation-building in the early and middle of the nineteenth century, with special emphasis on cultural patterns in religion and ideology, economic aspects of developing trade, commerce and slavery, and emerging regional tensions between North and South.
**Semester Hours** 3.0

### HIST 321 : Ancient Greece

The history of Greece from the Bronze Age through the Hellenistic Period. Topics include the literature and culture of Greece, the rise of the polis and the development of the Classical world, and the transformation of the Greek world in the wake of Alexander's conquests.
**Semester Hours** 3.0

### HIST 322 : Ancient Rome

The history of Rome from the founding of the city to the fifth century C.E. Topics include the origins of the city as described in myth and archaeology; the development of the republican constitution, Roman imperialism; the creation of the empire by Augustus Caesar; society, culture, and the economy of the Roman world; the religious life of the empire and the historical development of Christianity; and the transformation of the empire during the period of late antiquity.
**Semester Hours** 3.0

### HIST 324 : Medieval Europe

Analysis of the historical development of culture and society from the sixth century C.E. to 1500; medieval society, institutions, and civilizations; manorialism and feudalism and the evolution of representative government.
**Semester Hours** 3.0

### HIST 335 : History of Race in the U.S.

Examination of patterns of racial diversity in the U.S. from colonial times to the present. Emphasis on the peculiar institution of slavery, the Jim Crow system of racial segregation, the Civil Rights movement, the relationship between European Americans and Native Americans, and the diverse experiences of immigrant communities.
**Semester Hours** 3.0

### HIST 336 : International Cold War

Historical and political and diplomatic analysis of the post-1945 international history of the Cold War from the vantage points of Washington, Moscow, Beijing, and beyond. Focus on the relationships and alliances of the Cold War era, the ebb and flow of political and military tension between the Western Bloc and the Eastern Bloc, and the effects of the Cold War on contemporary world affairs.
**Semester Hours** 3.0

### HIST 340 : History of England

Interpretive analysis of key questions and issues of English history from the Norman Conquest to the present. Topics include the process of nation-building on the island of Great Britain, the development of parliamentary democracy, and the role of England in colonization, imperialism, and industrialization.
**Semester Hours** 3.0

### HIST 350 : Special Topics in History

Selected topics in history chosen by the instructor in response to students. May be re-taken for credit for different topics.
**Semester Hours** 3.0

### HIST 352 : Jesus

Exploration of historical, literary, and artistic portrayals of Jesus through the centuries.
**Semester Hours** 3.0
**Prerequisites**
RELG 132 or instructor permission.

### HIST 356X : Women and Christianity

The lives, writings, and influences of women on Christianity. Attention to the history of thought and the changes in culture and value systems.
**Semester Hours** 3.0

### HIST 364 : World Wars

This is a global history of the first half of the twentieth century with a focus on the First and Second World Wars. It links the military history of those conflicts with the impact of war on societies in the Americas, Europe, the Mediterranean, and Asia. The course examines related subjects such as modernity, nationalism, industrialization, race, empire, revolution, strategy, and the broader cultural currents of the age. Lectures and discussions offer an integrated approach to the study of force and diplomacy, war and society, and the local and global during the era of the World Wars.
**Semester Hours** 3.0

### HIST 379 : Iran and the West

This is a course on Iran's historical relationship with the "West". Through a series of discussions and projects, students study modern Iranian culture and politics, along with the connections between Iran, the United States, and other parts of the world. The focus is the nineteenth and twentieth centuries, though the course prepares students intellectually for global citizenship in the twenty-first century.
**Semester Hours** 3.0

### HIST 380 : The Middle East and the United States

Study of the historical relationship between the Middle East and the United States. The course relates the politics and cultures of the Middle East to the history of U.S. foreign relations from the First World War to post-9/11 period.
**Semester Hours** 3.0

### HIST 381 : Atlantic World

Study of the Atlantic world from the late fifteenth century to the end of the eighteenth century and the early decades of the nineteenth century with special emphasis on the idea of global citizenship; evolution of Atlantic history and the transoceanic connections and exchanges that led to the emergence of an Atlantic civilization and global citizenship in the early modern period up to the present day; international and transnational institutions, policies, cultural practices, and ethical considerations.
**Semester Hours** 3.0

### HIST 450 : Seminar

Advanced independent seminar research and writing in a specific area of history under the supervision of a faculty member.
**Semester Hours** 3.0
**Prerequisites**
Junior or senior status and departmental permission.

### HIST 460 : Independent Study

Advanced directed research in a specific area of history, under the supervision of a faculty member. One to three semester hours.
**Semester Hours** 3.0

### HIST 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0

### HIST 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0

### HIST 490 : Honors Project

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### HIST 491 : Honors Project

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

# International Studies

### INST 101 : Mass Media and Society

**Semester Hours** 3.0

### INST 105 : Introuction to International Relations

The concepts, theories, and debates of International Relations, with a focus on contemporary issues across all regions of the globe. Emphasis on the role of states, international organizations, NGOs, and individuals in both cooperation and conflict, and the ways in which transnational issues related to globalization challenge state sovereignty.
**Semester Hours** 3.0

### INST 162 : History

**Semester Hours** 3.0

### INST 164 : The Modern Middle East

**Semester Hours** 3.0

### INST 203 : World Literature

**Semester Hours** 3.0

### INST 212 : Asian Religions

**Semester Hours** 3.0

### INST 215 : Introduction to Comparative Politics

**Semester Hours** 3.0

### INST 221 : Cultures and Peoples

**Semester Hours** 3.0

### INST 223 : International Political Economics

Reciprocal interaction of international political and international economic relations, the formation of industrial policy and trade policy, and issues related to international investment flows. Cases from Asia, the Middle East, Europe, and North America.
**Semester Hours** 3.0
**Prerequisites**
ECON 151 and 152 and POLS 105.

### INST 225 : Comparative Politics in the Middle East and North Africa

**Semester Hours** 3.0

### INST 234 : Comparative Slavery and Race Relations in the Americas

**Semester Hours** 3.0

### INST 245 : Comparative Politics of Asia

**Semester Hours** 3.0

### INST 252 : Major British Writers III

**Semester Hours** 3.0

### INST 255 : Politics of Latin America

**Semester Hours** 3.0

### INST 260 : Studies in Culture

**Semester Hours** 3.0

**INST 305 : Approaching Global History**
**Semester Hours** 3.0

**INST 306 : Asian Philosophies**
**Semester Hours** 3.0

**INST 314 : Islam**
**Semester Hours** 3.0

**INST 328 : Comparative Immigration**
**Semester Hours** 3.0

**INST 329 : Democracy and Democratization**
**Semester Hours** 3.0

**INST 333 : Geography and Economy of Europe**
**Semester Hours** 3.0

**INST 336 : International Cold War**
**Semester Hours** 3.0

**INST 429 : International Dispute Res**
Peaceful settlement of disputes involving application of international law, including disputes between sovereign states, disputes between states and individuals, and disputes between states and corporations. Institutions concerned with dispute settlement such as arbitral tribunals, the International Court of Justice, and more specialized bodies such as the International Center for Settlement of Investment Disputes, the World Trade Organization, and other institutions handling economic, political, and human rights disputes.
**Semester Hours** 3.0

**INST 450 : Capstone Seminar**
Global issues and concerns which cut across regional and civilizational boundaries, utilizing a problem-solving approach, research, writing, and oral presentation. Designed as a capstone experience to bring together senior majors from across the four areas of International and Area Studies.
**Semester Hours** 3.0

**INST 460 : Independent Study**

# Mathematics

**MATH 101 : Math for STEM**
This course is offered as a suggested co-requisite course for students enrolled in BIOL/CHEM 100 who need extra Math support. The course is designed to teach both mathematical content and study skills needed for success in BIOL/CHEM 100. Topics covered will include an introduction to variable expressions and equations, scientific notation, simplifying expressions, solving linear equations, graphing linear equations, solving systems of equations, exponents, solving proportions, unit conversions, and dimensional analysis.

If a student has passed PreCalculus or Calculus, in high school or college, or passes any college Math class (above developmental level) with at least a C-, that student should be placed in a higher level Math course and not in Math 101, regardless of their enrollment in BIOL/CHEM 100. Placement tests will be given in the first week of classes before add/drop to ensure that Math 101 is the appropriate math placement for individual students initially enrolled.

This course does not meet the math requirement for any major.
**Semester Hours** 3.0
**Corequisites**
BIOL 100 or CHEM 100.

**MATH 120 : Math for an Informed Citizenry**
Introduction to the nature of mathematical thought. Fundamental structure of mathematical systems and basic quantitative skills required for functioning in modern society. Intended as a terminal course for non-majors.
**Semester Hours** 3.0

**MATH 121 : College Algebra**
Introduction to factoring and polynomial equations; working with equations and functions of the following types: linear, quadratic, polynomial, rational, radical, exponential, and logarithmic; functions and their inverses; properties of radicals and logarithms, and inequalities. Prerequisite for students as indicated by an algorithm based on SAT (or equivalent ACT) math scores and high school GPA, C- or better in Mathematics 099, or results of a placement exam.
**Semester Hours** 3.0
**Prerequisites**
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### MATH 124 : Precalculus

Precalculus is designed to help students develop the computational and problem-solving skills needed to succeed in calculus. Topics covered will include: Solving and graphing equations of exponential, logarithmic, and trigonometric functions, with an emphasis on graphing using function transformations. Trigonometry will be covered from both a unit circle and a right triangle perspective, topics include analytical trigonometry and trigonometric applications.

All students enrolled in MATH 124 will need to either test out of MATH 125 (Precalculus Lab) using proctored assessments given during the first week of classes or complete this course as a corequisite. This course is designed specifically for students who plan to take calculus.

This course is taught in the Fall and Spring Semesters.
**Semester Hours** 3.0
**Corequisites**
MATH 125: Precalculus Lab

### MATH 125 : Precalculus Lab

Precalculus is designed to help students develop the computational and problem-solving skills needed to succeed in calculus. This course is offered as a corequisite support course for MATH 124 (Precalculus). Topics covered in this lab will include: just-in-time algebra review focused on graphing skills, factoring, working with rational expressions, and other topics as needed. This class is not intended as a terminal mathematics course—1 credit hour.

This course is taught in Fall and Spring semesters.

All students enrolled in MATH 124 will need to either test out of MATH 125 using a proctored test or complete this course as a corequisite. The course is designed to teach mathematical and executive functioning skills needed for success in mathematics classes, precalculus and beyond.
**Semester Hours** 1.0
**Corequisites**
MATH 124.

### MATH 151 : Calculus I

Graphical, numerical, and symbolic study of functions and limits; fundamental concepts of differentiation and integration. Differentiation formulas. Applications to exponential growth and decay, velocity and acceleration. Use of a CAS.
**Semester Hours** 4.0
**Prerequisites**
Grade of 'C' or higher in MATH 124 or instructor permission.

### MATH 152 : Calculus II

A continuation of Mathematics 151. Applications of integration to physics, statistics and engineering including finding volumes, arc lengths, surface area. Sequences and series, parametrically defined functions including those defined in the polar plane. Introduction to vectors, vector spaces and operations on vectors, including the cross and dot products, norms and linear transformations.
**Semester Hours** 4.0
**Prerequisites**
Grade of 'C' or higher in MATH 151 or instructor permission.

### MATH 161 : Introduction to Statistics

Descriptive and inferential statistics, probability, and research design with a broad range of applications to various disciplines; statistical software.
**Semester Hours** 4.0

### MATH 201 : Intro to Mathematical Reasoning

Topics in discrete mathematics; mathematics topics and processes essential to proper understanding of material to be covered in advanced courses; emphasis on techniques of mathematical reasoning.
**Semester Hours** 3.0
**Prerequisites**
MATH 151 and sophomore status or departmental permission.

### MATH 253 : Calculus III

Infinite series; two- and three-dimensional vectors, vector calculus; partial derivatives; multiple integrals. Use of a CAS.
**Semester Hours** 4.0
**Prerequisites**
Grade of 'C' or higher in MATH 152 or instructor permission.

### MATH 311 : Fundamentals of Mathematics I

Content and pedagogy of elementary and middle school mathematics. Problem solving, logic, sets, number theory, and structure, algorithms of rational numbers, geometry, probability, and statistics. Not applicable toward mathematics major.
**Semester Hours** 3.0
**Prerequisites**
One college level mathematics course and junior status.

### MATH 312 : Fundamentals of Mathematics II

Content and pedagogy of secondary school mathematics. Problem solving, logic, sets, number theory, and structure, algorithms of rational numbers, geometry, probability, and statistics. Not applicable toward mathematics major.
**Semester Hours** 3.0
**Prerequisites**
One college level mathematics course and junior status.

### MATH 321 : Linear Algebra

Vector spaces, linear dependence, linear mappings, the algebra of matrices over a field, characteristic equations, characteristic roots.
**Semester Hours** 3.0
**Prerequisites**
MATH 201.

### MATH 340 : Geometry

Topics from Euclidean geometry, using transformational approach; general axiomatic systems leading to finite and non-Euclidean geometries.
**Semester Hours** 3.0
**Prerequisites**
MATH 201 or departmental permission.

### MATH 350 : Special Topics

Topics selected by the instructor for one semester of study based on needs and interests of students, including (but not limited to) number theory, cryptology, real analysis, graph theory, or coding theory.
**Semester Hours** 4.0
**Prerequisites**
Junior or senior status and instructor permission.

### MATH 353 : Differential Equations

Some first-order methods; second-order constant coefficient equations; series solutions; first-order linear and nonlinear systems and phase-plane analysis. Applications including population growth models, simple and forced harmonic motion, the pendulum, and chaotic behavior. Use of a CAS.
**Semester Hours** 3.0
**Prerequisites**
MATH 201 and 253.

### MATH 360 : Probability & Statistics

An introduction to the mathematical theories of probability and statistics, including some topics such as combinatorial methods, conditional probability and independence, discrete and continuous random variables, expectation, simple and multiple regression, analysis of variance, contingency tables, time series, logistic regression, and experimental design.
**Semester Hours** 3.0
**Prerequisites**
MATH 152 and STAT 161, or instructor permission.

### MATH 370 : Discrete Structures

Theoretical foundations of computer science, including sets, functions, Boolean algebra, first order predicate calculus, trees, graphs, discrete probability.
**Semester Hours** 3.0
**Prerequisites**
MATH 201 and knowledge of a high-level programming language or departmental permission.

### MATH 420 : History of Math

The historical development of mathematics over the past 5,000 years, including typical mathematical problems from various historical periods and biographical and philosophical aspects of mathematics.
**Semester Hours** 3.0
**Prerequisites**
Mathematics major with senior status or departmental permission.

### MATH 421 : Modern Algebra

Binary systems, groups, rings, and fields. Normal subgroups, quotient groups, permutation groups, homomorphisms,isomorphisms, and Lagrange's theorem.
**Semester Hours** 3.0
**Prerequisites**
MATH 201.

### MATH 440 : Mathematical Modeling

Applications of mathematics to a wide variety of problems inherent in a technological society. Emphasis may vary among applications to physical, biological, and environmental systems or linear programming, queueing theory, Markov processes, and other problems of systems engineering. Emphasis on constructing mathematical interpretations of such problems.
**Semester Hours** 3.0
**Prerequisites**
MATH 321 and 360.

### MATH 451 : Real Variable Theory

Introduction to mathematical analysis. Axiomatic development of the real number system. Examination of foundations of the theory of functions of real variable; limits, continuity, differentiation, and integration of functions of a single real variable, an infinite series.
**Semester Hours** 3.0
**Prerequisites**
MATH 201 and 253.

### MATH 455 : Math of the Physical Sciences

Series solutions of differential equations, Fourier analysis, partial differential equations, and functions of a complex variable with emphasis on application to physical systems.
**Semester Hours** 3.0
**Prerequisites**
MATH 353 and PHYS 202, or departmental permission.

### MATH 460 : Independent Study

Individual study and research in mathematics, under the supervision of a faculty member.
**Semester Hours** 4.0
**Prerequisites**
Junior or senior status, GPA of 3.0 or higher.

### MATH 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0

### MATH 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0

### MATH 473 : Numerical Analysis

Mathematical theory underlying selected numerical methods and the application of those methods to solving problems of practical importance. Computer programs used to facilitate calculations. Roots of equations, systems of linear equations, interpolation, approximation, and numerical integration.
**Semester Hours** 3.0
**Prerequisites**
MATH 353 and knowledge of a high-level programming language.

### MATH 480 : Senior Seminar

Selected topics in mathematics; presentations by students, faculty, or visiting speakers.
**Semester Hours** 3.0
**Prerequisites**
Mathematics major with senior status or departmental permission.

### MATH 490 : Honors Thesis I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### MATH 491 : Honors Thesis I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

# Media and Communication

### MCOM 101 : Mass Media and Society

Study of the structure, function, and effects of mass communication in the U.S. culture. Influence of economics and governmental regulations of media content. Special attention to the rights and responsibilities of the media.
**Semester Hours** 3.0

### MCOM 202 : Writing, Reporting & Editing I

Basic gathering and writing of news information in a fair and accurate manner suitable for presentation in various media formats. Editing of news writing for grammar, clarity, conciseness, accuracy, and style.
**Semester Hours** 4.0
**Prerequisites**
ENGL 101

### MCOM 204 : Beginning Publication & Design

Application of basic design and typographic principles to a variety of print publications such as advertisements, flyers, newspapers, and brochures, using the latest design software.
**Semester Hours** 4.0

### MCOM 210 : Digital Storytelling

Digital Storytelling introduces students to the practice of designing narrative media. Students will explore how various narrative ideas influence the design of stories in interactive forms of digital media. Course materials will draw on these media as students produce their own creative projects and stories that engage with the techniques and concepts discussed throughout the course.

**Semester Hours** 4.0

### MCOM 240 : Career Readiness I

This sophomore-year course will provide basic instruction and support in preparing students for professional work. Specifically, the student will develop the tools and skills necessary for internships and practical experiences.
**Semester Hours** 0.5

### MCOM 250 : Women and Media

Current and historical relationship of women with media. Women as subject matter, audience, and participants in various media forms.
**Semester Hours** 3.0

### MCOM 262 : Science Communication

Application of research and writing skills designed to enable science and communications students to consume sophisticated scientific literature and data and communicate effectively with general audiences about science topics.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101

### MCOM 263 : Sports Communication

Sports Communications offers instruction, analysis, and training in the principles and practice of public relations in sports organizations. Instructional emphasis is on media relations and skills essential for sports communication professionals, including handling media interactions, problems, crises, and the integration of positive communications strategies with strategic goals of sports organizations. The course will apply the cultural, organizational, and critical theoretical approaches to various contexts of sport, including sports journalism, sports organizations, sports films, and other media, to explore contemporary issues of sport communication.

**Semester Hours** 3.0

### MCOM 264 : Health Communications

This course provides an overview of the field of health communication with attention to analysis and practice of health communication relationships and messages. Topics include patient-provider communication, healthcare systems, health promotion and behavior change campaigns. With a focus on the intersection of health and culture.
**Semester Hours** 3.0

### MCOM 271 : Introduction to Film

Introduction to film techniques and conventions; consideration of social, artistic, and historical contexts of films, how they shape and are shaped by their time; and systematic exploration of such influential film genres as silent film, documentary, film noir, New Cinema, and auteur analysis.
**Semester Hours** 3.0
**Prerequisites**
ENGL 101.

### MCOM 301 : Advanced Media Studies

This course explores the concepts supporting the media studies discipline. This perspective explores the social, political, and cultural role of media: such the news, advertising, speeches, entertainment, social and experiential media. Students will explore media production, content and effects through the application of media studies concepts. In addition, students will examine how audience predispositions, such as ideological orientations, the characteristics of decision making, and emotion are tied to perceptions of media representations and affect decision making and behavior.
**Semester Hours** 3.0

### MCOM 302 : Writing, Report & Editing II

Intermediate work in information gathering and writing for media in various styles, including in-depth reporting, features, and opinion pieces. Intermediate-level story planning, editing, and packaging for presentation in various media formats.
**Semester Hours** 3.0
**Prerequisites**
Grade of 'C' or better in MCOM 202.

### MCOM 320 : Social Media Theory and Practice

Social Media Theory and Practice focuses on utilizing social media platforms to build a competitive marketing advantage. The course features an extensive study on the integration and application of social media technologies. This course aims to introduce the student to the practices used in implementing social media to assist in organizational growth. In doing so, the student will understand the objectives, strategies, platforms, and tactics used in social media.
**Semester Hours** 3.0
**Prerequisites**
MCOM 101 or sophomore status.

### MCOM 321 : Advanced Expository Writing

Reading and writing longer forms of exposition, persuasion, narration, and analysis, with emphasis on clarity of style, argument, and advanced editing and research skills.
**Semester Hours** 3.0
**Prerequisites**
MCOM 101.

### MCOM 340 : Career Readiness II

This junior-year course will provide intermediate instruction and support in preparing students for professional work. Specifically, this course will provide a place for students to directly reflect and synthesize their knowledge from other coursework and experiences on the topics of career and self development, communication, critical thinking, equity and inclusion, leadership, professionalism, teamwork, and information literacy
**Semester Hours** 0.5

### MCOM 350 : Special Topics

Selected topics in the field with particular emphasis determined by student interest.
**Semester Hours** 3.0

### MCOM 368 : Campus Media Workshop

Application of media theories and management skills to campus media operation and production. Presentation of workshop proposal to a mass communications faculty member.
**Semester Hours** 0.5
**Prerequisites**
Sophomore status and MCOM major.

### MCOM 390 : Persuasive Communication

Introduction to persuasion theory, research, ethics, and methods with emphasis on analysis of and application to mass media messages.
**Semester Hours** 3.0

### MCOM 404 : Advanced Publication Design

Application of advanced design and typographic principles to a variety of more complex print publications such as newsletters, magazines, books, and pamphlets, using the latest design software.
**Semester Hours** 3.0
**Prerequisites**
Grade of 'C' or better in MCOM 204.

### MCOM 410 : Videography

Videography allows students to develop professional video, film, and television pre-production, production, and post-production skills. The course will cover the fundamentals of video production, including the techniques and the aesthetics of shooting, lighting, and editing. The advanced curriculum emphasizes hands-on production experience using digital video. The course will introduce video camera operation, camera stabilization techniques, lighting, scripts and storyboarding, digital imaging, motion graphics software, animations, and sound effects. Students will develop an understanding of the wide range of business aspects within the industry.

**Semester Hours** 3.0
**Prerequisites**
Grade of 'C' or better in MCOM 210.

### MCOM 420 : Advanced Reporting

Advanced work in gathering and organizing information for long-form writing, such as in-depth newspaper series, magazine articles, broadcast packages and online reports. Emphasis on locating sources, interviewing, following paper trails, and using databases.
**Semester Hours** 3.0
**Prerequisites**
MCOM 202, 302, and junior status.

### MCOM 430 : Public Relations

Application of persuasion theory and multimedia skills to basic strategic communication formats used in a variety of organizations. Attention to economic, managerial, legal, and ethical considerations.
**Semester Hours** 3.0
**Prerequisites**
MCOM 202, 204, 390, and junior status.

### MCOM 432 : Marketing Communications

The course is an in-depth survey of the theoretical and structural models of marketing communication and aims to equip students with the tools necessary to create a coherent and fully integrated promotional campaign. Students will be actively involved in the design and implementation of various strategic communications approaches meant to target different publics.
**Semester Hours** 3.0
**Prerequisites**
MCOM 390

### MCOM 440 : Career Readiness III

This senior-year course will provide advanced instruction and support in preparing students for professional work. Specifically, students will develop the tools and skills necessary for jobs upon graduation as well as reflect on their college career-preparation journey with an emphasis on ethical practice.
**Semester Hours** 0.5

### MCOM 451 : Media Law & Ethics

Principles of communication law, including constitutional issues, libel, privacy, copyright, and broadcast regulation. Development of an ethical perspective for media issues.
**Semester Hours** 3.0
**Prerequisites**
Senior status.

### MCOM 460 : Independent Study

Advanced research on a topic related to mass communications, under the supervision of a faculty member.
**Semester Hours** 1.0
-4
**Prerequisites**
Junior or senior status, permission of instructor.

### MCOM 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Periodic meetings with instructor, critique of experience including skills assessment, journal, and summary paper. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site. Pass-Fail only.
**Semester Hours** 2.0
-6
**Prerequisites**
Junior or senior status, departmental permission.

### MCOM 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Periodic meetings with instructor, critique of experience including skills assessment, journal, and summary paper. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site. Pass-Fail Only.
**Semester Hours** 2.0
-6
**Prerequisites**
Junior or senior status, departmental permission.

### MCOM 480 : Senior Project

Study of a communications question and completion of a project in consultation with a faculty member in the Mass Communications Department. Prospective candidates for the senior project should advise the department chair of their plans at the beginning of the junior year.
**Semester Hours** 3.0
**Prerequisites**
Senior status and departmental permission.

**MCOM 490 : Honors Thesis I**

Independent research in a special topic for honors.
**Semester Hours** 1.0
-3
**Prerequisites**
Senior status, GPA of 3.5 in the major and 3.3 overall, or higher, and permission of all members of the department.

**MCOM 491 : Honors Thesis II**

Independent research in a special topic for honors.
**Semester Hours** 1.0
-3
**Prerequisites**
Senior status, GPA of 3.5 in the major and 3.3 overall or higher, and permission of all members of the department.

# Military Science Program

ETSU, Department of Military Science P.O. Box 70648
Johnson City, TN 37614
Phone: (423) 439-4269

Web Address: www.etsu.edu/cbat/rotc/

The military science program is a cooperative enterprise between E&H, ETSU, and the United States Army. The program is designed to develop the students' managerial and leadership abilities, introduce students to the mission and organization of the United States Army and prepare advanced-course students for service as commissioned officers in the Active Army, Army Reserve or Army National Guard.

## Major

An academic major in military science is not offered at E&H. However, an academic minor (18 credit hours) may be offered and completion of the program qualifies the student for a commission in the US Army as a Second Lieutenant.
Course Credit

Students interested in participating in the advanced phase may receive basic phase credit for having prior active or reserve component military service, three years of junior ROTC at the high school level, or for completion of ROTC Leaders Training Course (LTC).

## ROTC Basic Course

Any student may enroll without obligation in the Department of Military Science's Basic Course Classes. Those classes listed as 1200- and 2100-series classes are considered part of the Basic Course of military science. Students desiring to enter the Advanced Course of the ROTC program through the four-year program must complete all four Basic Course Classes. In certain cases, the professor of Military Science may waive one of these class requirements.
The basic phase is designed to introduce the United States Army as an institution, the military as a profession, and to impart to all students basic leadership skills which can be used in a civilian environment as well as in the military. The basic phase includes both formal classroom instruction and field practice periods. Subject matter deals with the organization and history of the United States Army, the dynamics ofleadership and management, military skills, and mountaineering.

## ROTC Advanced Course

Advanced military science Cadets continue their studies in leadership and tactics with the scope of instruction expanded to include subjects such as military law, battle simulations, group dynamics, organizational management, and decision making. Advanced course contract students receive $420 per month up to a maximum of 20 months (equivalent to two academic years) and an appointment upon graduation as a Second Lieutenant. Contracted students incur a military obligation to the Active Army, the Reserve, or the National Guard. This obligation can consist of as little as three months active duty, with the remainder spent on Reserve, or National Guard status. Students who prefer Reserve or National Guard duty may be guaranteed that they will not be assigned to active duty except for the short period needed to complete a branch basic officer course (three- to six-months depending on the branch selected). Students interested in enrolling as a contract Cadet must contact the Department of Military Science for specific program requirements, guarantees, benefits, and military information.

## Leader Development and Assessment Course

Advanced course (LDAC) cadets are required to attend the four-week Leader Development and Assessment course at Ft. Knox, Kentucky, upon completion of the junior year of military science. LDAC attendance is a prerequisite to commissioning but may be delayed until completion of the senior year with the approval of the United States Army and the professor of Military Science at ETSU.

## Course Sequence Requirements

To receive a commission in the United States Army through the military science program, a student must successfully complete 14 credits of courses at the basic level (1200 or 2100 courses), 19 credits at the advanced level (3100 or 4100 courses) and ROTC Advanced Camp (6 credits). Equivalency credit may be given for the basic level courses for those Cadets who are (1) veterans, (2) graduates of junior ROTC programs, or (3) graduates of the ROTC Leaders Training Course.

The following sequence will be utilized to obtain a commission as a Second Lieutenant.

The Chair of the Department of Military Science may make exceptions to this policy under unusual circumstances.

### MSCI 1180 : Leadership & Personal Development

Practical application of leadership skills and an introduction to military drills and ceremonies. Uniforms will be issued to participants. Repeatable for credit one time.
**Semester Hours** 1.0

### MSCI 1181 : Tactical Leadership

Practical application of leadership skills and an introduction to military drills and ceremonies. Uniforms will be issued to participants. Repeatable for credit one time.
**Semester Hours** 1.0
**Corequisites**
MSCI 2110

### MSCI 1210 : Leadership/Personal Development

Introduces students to the personal challenges and competencies critical for effective leadership. Students learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to civilian and military leadership professions. Students will utilize the Basler Challenge Course and receive basic marksmanship training.
**Semester Hours** 1.0

### MSCI 1217 : Physical Fitness - Basic

Designed to promote overall fitness with an emphasis on nutrition, endurance, and strength training as part of an overall lifestyle. The course may be repeated up to four (4) times for credit.
**Semester Hours** 1.0

### MSCI 1220 : Introduction to Tactical Leadership

A study of leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills that relate to civilian and military leadership professions. Students will utilize the Basler Challenge Course and receieve basic markenmanship training.
**Semester Hours** 1.0
**Prerequisites**
MSCI 1210 or approval of Professor of Military Science.

### MSCI 2110 : Innovative Team Leadership

Innovative team leadership of civilian and military traits and behavior theories. Students practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Case studies provide tangible context for learning the Soldier's Creed and Warrior Ethos as they apply in changing operating environments.
**Semester Hours** 2.0

### MSCI 2140 : Special Problems

Course is designed for students with individual development needs as determined by faculty.
**Semester Hours** 3.0
**Prerequisites**
Approval of Professor of Military Science.

### MSCI 2150 : Military Skills I

Examines the challenges of leading tactical teams in complex and changing operating environments. Course highlights the dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the leadership framework explores the dynamics of adaptive leadership in the context of military operations. Students develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills.
**Semester Hours** 2.0

### MSCI 2580 : Leadership Training Course

This option is available only for students who did not qualify for the Advanced Phase by completing four Basic Phase courses during their freshman and sophomore years. The Basic Camp, conducted at Fort Knox, Kentucky is a five (5) week leadership development course where students are placed in an intensive training environment where they live, work, and learn in a cooperative group under 24-hour-a-day leadership instruction and receive detailed appraisal of their displayed leadership performance.
**Semester Hours** 6.0
**Prerequisites**
Approval of Professor of Military Science.

### MSCI 3110 : Adaptive Tactical Leadership

MSCI 3110 Adaptive Tactical Leadership Course continues to challenge students to study, practice, and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Students receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, students continue to develop their leadership and critical thinking abilities.
**Semester Hours** 3.0

### MSCI 3120 : Leadership in a Changing Environment

Course utilizes increasingly intense situational leadership challenges to build awareness and skills in leading tactical operations up to platoon level. Students will review aspects of combat, stability, and support operations; conduct military briefings to develop proficiency in giving operation orders; focus on exploring, evaluation, and developing skills in decision-marking, persuading, and motivating team members in changing operating environments.
**Semester Hours** 3.0
**Prerequisites**
MSCI 3110 or approval of Professor of Military Science.

### MSCI 3217 : Physical Fitness - Instructor

Designed to prepare the MS III and IV contracted Cadets to conduct and evaluate military physical fitness training. Courses is required for contracted Cadets. Course may be repeated up to three (3) times for credit.
**Semester Hours** 1.0

### MSCI 4110 : Developing Adaptive Leaders

Course develops student proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates as part of civilian and military leadership professions. Students assess risk, make ethical decisions, identify responsibilities of key staff, coordinate staff roles, and use situational opportunities to teach, train, and develop subordinates.
**Semester Hours** 3.0
**Prerequisites**
MSCI 3120 or approval of Professor of Military Science.

### MSCI 4120 : Leadership in a Complex World

Course explores the dynamics of leading in the complex situations of current military operations in changing operating environments. Students examine difference in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Course also explores aspects of interacting with non-government organizations, civilians on the battlefield, and host nation support.
**Semester Hours** 3.0
**Prerequisites**
MSCI 4110 or approval of Professor of Military Science.

### MSCI 4140 : Special Problems

Course is designed for students with individual development needs as determined by faculty.
**Semester Hours** 3.0
**Prerequisites**
Approval of Professor of Military Science.

### MSCI 4580 : Leadership Devlopment and Assessment

The Advance Camp is a five (5) week leadership course conducted at Fort Lewis, Washington. Students will rotate through leadership positions, supervising their peers through both academic and tactical activities in both garrison and field environments. Students will be under leadership evaluation 24 hours a day for the duration of the course, will receive a detailed appraisal of their displayed leadership performance, and return to campus qualified to enter the 4000 level Military Science and Leadership courses.
**Semester Hours** 6.0
**Prerequisites**
MSCI 3110 and MSCI 3120.

### MSCI 4582 : Military History

A historical perspective to decisions made by American military leaders from the colonial period through the current operating environment. Will explore the military's role in society, the evolution of war and the progression of military professionalism, the major wars fought by the United States Army, and the role of the United States military in joint operations and humanitarian operations.
**Semester Hours** 3.0

# Music

All students majoring in music must develop certain skills in order to complete graduation requirements; in addition to completion of specified courses, the student must demonstrate proficiency in sight-singing, ear training, keyboard harmony, and piano. The first three areas are developed in conjunction with theory courses in the department; students deficient in piano must enroll in Piano Class I-IV: MUSP 110A, 110B, 210A, and 210B. All music majors must participate in ensemble each semester they are enrolled. Attendance at certain concerts and recitals is also required of music majors. In addition to course offerings for students majoring in music, the department offers applied music and ensemble courses for other interested students. Participation in choral, vocal, and instrumental ensembles is open to all students with permission of the director.

### MUSC 101 : Introduction to Music

Survey of various parameters of music (pitch, intervals, chord structure, scales, keys, meters, forms, instruments, dynamics, tempos) with simultaneous aural exposure to significant literature representing various styles from plainsong to present.
**Semester Hours** 3.0

### MUSC 102 : History of Jazz

Introduction to a unique American form of music through its historical and musical manifestations. Listening assignments and attendance at live performances when possible.
**Semester Hours** 3.0

### MUSC 152 : Music Theory I

Development of reading and writing skills related to basic musicianship and musical literacy.
**Semester Hours** 3.0

### MUSC 153 : Aural Skills I

Development of aural perception, including identification of interval, scale, and chord quality; dictation/performance of simple melodies and rhythms; development of basic keyboard skills.
**Semester Hours** 1.0

### MUSC 162 : Music Theory II

Diatonic harmony; tonal and linear analysis; written harmonization of simple tonal melodies and bass patterns.
**Semester Hours** 3.0
**Prerequisites**
Grade of 'C-' or higher in MUSC 152 or instructor permission.

### MUSC 163 : Aural Skills II

Continued development of aural perception, including identification of chord inversions, seventh chords, voice leading; dictation/performance of melodies, rhythms, primary chord progressions.
**Semester Hours** 1.0
**Prerequisites**
Grade of C- or higher in MUSC 153 or instructor permission.

### MUSC 203 : Lyric Diction

Principles of phonetics and skills of lyric diction for singing in Italian, English, German, and French. International Phonetic Alphabet.
**Semester Hours** 3.0
**Prerequisites**
Applied voice study or instructor permission.

### MUSC 225 : Intro to Music Education

Contemporary issues facing music teachers in public schools, such as curriculum development, multiculturalism, special needs, music technology, and assessment. History of music education in America. Field observations.
**Semester Hours** 3.0

### MUSC 226 : Elementary Music Methods

Contemporary music education methods for the elementary general music classroom. Strategies for developing skills in singing, moving, listening, creating, and playing classroom instruments. Specific attention given to child development, special learners, and diverse musical instruments. Field observations.
**Semester Hours** 2.0

### MUSC 252 : Music Theory III

Diatonic and chromatic harmony; tonal and linear analysis including modulation; analysis of small forms; transposition and arranging projects.
**Semester Hours** 3.0
**Prerequisites**
Grade of C- or higher in MUSC 162 or instructor permission.

### MUSC 253 : Aural Skills III

Continued development of aural perception, involving identification of chromatic inflection, irregular rhythms; dictation/performance of melodies, rhythms, diatonic chord progressions.
**Semester Hours** 1.0
**Prerequisites**
Grade of C- or higher in MUSC 163 or instructor permission.

### MUSC 262 : Music Theory IV

Advanced chromatic and twentieth century techniques; analysis of larger and twentieth century forms; significant research/analysis project.
**Semester Hours** 3.0
**Prerequisites**
Grade of C- or higher in MUSC 252 instructor permission.

### MUSC 263 : Aural Skills IV

Continued development of aural perception, involving identification of secondary chords, modulations; dictation/performance of chromatic melodies, complex rhythms, highly inflected chord progressions.
**Semester Hours** 1.0
**Prerequisites**
Grade of C- or higher in MUSC 253 or instructor permission.

### MUSC 301 : Music History I

Historical survey of music history from antiquity to 1750, based on music developed in the European traditions. Stylistic and analytical study of the music. This course satisfies the proficiency requirement for Oral Communication in the disciplines.
**Semester Hours** 3.0
**Prerequisites**
Grade of C- or higher in 162 or instructor permission.

### MUSC 302 : Music History II

Historical survey of music history from 1750 to the present.
**Semester Hours** 3.0
**Prerequisites**
Grade of C- or higher in MUSC 301 or instructor permission.

### MUSC 303 : Conducting I

Fundamentals of effective conducting: physical gesture and score study. Emphasis on posture, beat patterns, cutoffs and cues, articulation, tempo changes, and listening skills. Laboratory conducting experience.
**Semester Hours** 2.0

### MUSC 304 : Conducting II - Choral Methods

Skills necessary for effective teaching in middle and high school choral programs. Advanced score study techniques, age-appropriate rehearsal planning, and rehearsal techniques. Methods of developing musical literacy in the ensemble, student assessment, and overall program building. Laboratory conducting experience.
**Semester Hours** 2.0
**Prerequisites**
MUSC 303.

### MUSC 305 : Conducting II - Instrumental Met

Skills necessary for effective teaching in elementary, middle, and high school instrumental programs. Advanced score study techniques, age-appropriate rehearsal planning, and rehearsal techniques. Methods of developing musical literacy in the ensemble, student assessment, and overall program building. Laboratory conducting experience.
**Semester Hours** 2.0
**Prerequisites**
MUSC 303.

### MUSC 310 : Literature for Voice With Piano

Survey of art song from 18th century to present; class performance. Stylistic and structural analysis, translation of texts, development of repertory, and program building.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### MUSC 315 : Literature for Piano

Historical survey of the standard piano repertoire with emphasis on discovery of stylistic characteristics of major keyboard composers and their relationship to the development of the piano.
**Semester Hours** 1.0

### MUSC 317 : Collaborative Piano in Context

Skills and repertoire of the collaborative pianist. Vocal coaching and accompanying, choral ensemble accompanying, the piano in instrumental chamber music, and orchestral piano. Skills including sight reading, score reading/reduction, and transposition.
**Semester Hours** 1.0
**Prerequisites**
Private piano study and instructor permission.

### MUSC 318 : Music and Culture

Music fundamentals. Practical experience in leading events with instruments and singing. Techniques and materials for utilizing music in a variety of cultural contexts such as public school classrooms, civic organizations, and churches. No musical experience necessary.
**Semester Hours** 3.0

### MUSC 319 : Piano Pedagogy

Techniques and materials for teaching piano in private and classroom settings for a variety of age and ability levels.
**Semester Hours** 1.0
**Prerequisites**
Private piano study and instructor permission.

### MUSC 320 : Vocal Pedagogy

Techniques and materials for teaching voice in private and classroom settings for a variety of ages and abilities.
**Semester Hours** 2.0
**Prerequisites**
MUSP 216 or MUSP 416 and instructor permission.

### MUSC 325 : Junior Recital

Required of all music performance majors during their third year of private study. One-half semester hour.
**Semester Hours** 1.0

### MUSC 350 : Special Topics in Music

Study of a particular category of music in historical context; for example, American music, the symphony, music for the theatre. Variation in topics from year to year.
**Semester Hours** 3.0
**Prerequisites**
MUSC 101 or 150.

### MUSC 401 : 20th & 21st Century Music

Historical context and analytical techniques in art music of the last century, including intersections with popular and folk music.
**Semester Hours** 3.0
**Prerequisites**
MUSC 252.

### MUSC 425 : Senior Recital

Required of all music performance majors during their final year of private study. One-half semester hour.
**Semester Hours** 1.0

### MUSC 426 : Senior Research Project

Independent research in a special topic approved by the department faculty, requiring the senior music major to apply analytical skills to a particular musicological or theoretical issue.
**Semester Hours** 3.0
**Prerequisites**
Senior status or departmental permission.

### MUSC 460 : Independent Study

Studies in theory, history, or literature, under the supervision of a faculty member.
**Semester Hours** 4.0
**Prerequisites**
Departmental permission.

### MUSC 490 : Honors Thesis I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### MUSC 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### MUSP 100 : Voice Class I

Provides students new to singing with the fundamentals for a healthy and beautiful sound. Voice physiology and health, vocal registers, selecting literature, lyric diction and pronunciation, and performance psychology.
**Semester Hours** 1.0

### MUSP 101 : Brass Methods

For teacher preparation students who will demonstrate rudimentary playing techniques and tone production skills to initiate beginning instruction. Students develop playing on trumpet or French horn and trombone, euphonium, or tuba.
**Semester Hours** 1.0

### MUSP 102 : Woodwind Methods

For teacher preparation students who will acquire correct tone production and playing techniques sufficient to initiate beginning instruction. Students demonstrate skills with flute, clarinet, saxophone, and oboe or bassoon.
**Semester Hours** 1.0

### MUSP 103 : Percussion Methods

For teacher preparation students who will demonstrate correct playing techniques and develop a resource file containing information on percussion instruments and instructional materials as needed by the school music teacher. Introduction to the various instruments of the percussion family.
**Semester Hours** 1.0

### MUSP 104 : Strings Methods

For teacher preparation students who will develop rudimentary playing techniques sufficient to initiate instruction for beginning students. Correct playing positions and tone production for violin, viola, and cello or double bass.
**Semester Hours** 1.0

### MUSP 109 : Beginning Piano Class

Designed for the non-music major. Offered to any student interested in beginning piano with no prior experience. Classes held on the nine-keyboard electronic
**Semester Hours** 1.0

### MUSP 110A : Piano Class I

Designed for the music major. Offered to all non-piano concentration music majors who will be developing keyboard skills in harmonizing, score reading, scales/keyboard technique, and sight-reading needed to pass the keyboard proficiency examination. Classes held on the nine-keyboard electronic piano lab.
**Semester Hours** 1.0
**Prerequisites**
Grade of C- or higher in MUSP 110A.

### MUSP 110B : Piano Class II

Designed for the music major. Offered to all non-piano concentration music majors who will be developing keyboard skills in harmonizing, score reading, scales/keyboard technique, and sight-reading needed to pass the keyboard proficiency examination. Classes held on the nine-keyboard electronic piano lab. Prerequisite for 110B: C- or higher in 110A.
**Semester Hours** 1.0
**Prerequisites**
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### MUSP 117 : Beginning Guitar Class

Survey of various guitar styles to help beginning students gain basic skills and determine focus for private guitar study. Student must have his or her own guitar.
**Semester Hours** 1.0

### MUSP 210A : Piano Class III

Continuation of 110A-110B. Preparation for the keyboard proficiency examination. Classes held on the nine-keyboard electronic piano lab.
**Semester Hours** 1.0
**Prerequisites**
Grade of C- or higher in MUSP 110A and 110B or instructor permission.

### MUSP 210B : Piano Class IV

Continuation of 110A-110B. Preparation for the keyboard proficiency examination. Classes held on the nine-keyboard electronic piano lab.
**Semester Hours** 1.0
**Prerequisites**
Grade of C- or higher in MUSP 201A.

### MUSP 211 : Intermediate Piano - Private

Studio lessons in piano for non-music majors and music majors at the intermediate level. One half-hour lesson per week. Occasional performance class required.
**Semester Hours** 1.0
**Prerequisites**
Prior experience in piano and instructor permission.

### MUSP 212 : Intermediate Organ-Private

Studio lessons in organ for non-music majors and music majors at the intermediate level. One half-hour lesson per week. Designed for the student with sufficient facility at the keyboard to permit successful integration of the pipe organ pedalboard.
**Semester Hours** 1.0
**Prerequisites**
Prior experience in piano and instructor permission.

### MUSP 213 : Intermediate Guitar-Private

Studio lessons in guitar for non-music majors and music majors at the intermediate level. One half-hour lesson per week.
**Semester Hours** 1.0
**Prerequisites**
Prior experience in guitar and instructor permission.

### MUSP 214 : Intermediate Brass-Private

Studio lessons in brass (trumpet, horn, trombone, euphonium, tuba) for non-music majors and music majors at the intermediate level. One half-hour lesson per week.
**Semester Hours** 1.0
**Prerequisites**
Prior experience in brass and instructor permission.

### MUSP 215 : Intermediate Woodwinds-Private

Studio lessons in woodwinds (clarinet, saxophone, flute) for non-music majors and music majors at the intermediate level. One half-hour lesson per week.
**Semester Hours** 1.0
**Prerequisites**
Prior experience in woodwinds and instructor permission.

### MUSP 216 : Intermediate Voice-Private

Studio lessons in voice for non-music majors and music majors at the intermediate level. One half-hour lesson per week.
**Semester Hours** 1.0
**Prerequisites**
Prior experience in voice and instructor permission.

### MUSP 217 : Intermediate Strings - Private

Studio lessons in strings (violin, viola, cello, bass) for non-music majors and music majors at the intermediate level. One half-hour lesson per week.
**Prerequisites**
Prior experience in strings and instructor permission.

### MUSP 218 : Interm Percussion - Priv

Studio lessons in a variety of percussion instruments for non-music majors and music majors at the intermediate level. One half-hour lesson per week.
**Prerequisites**
Prior experience in percussion and instructor permission.

### MUSP 225 : Festival Choir

Laboratory for development of vocal and choral skills with a primary focus on performance of large choral works. Brief audition with the instructor is required. May be repeated for credit.
**Semester Hours** 0.0

### MUSP 230 : Concert Choir

The auditioned touring choir with a strong tradition of excellence. Annual national or international tour and representation of the college in other off-campus appearances. Membership by audition. Four hours per week. May be repeated for credit.
**Semester Hours** 0.0

### MUSP 231 : Choir Ensemble

Participation by audition only. Various vocal combinations possible. One to three hours of rehearsal per week. May be repeated for credit.
**Semester Hours** 0.5

### MUSP 232 : Marching Band

Open to all students who have experience in Marching band and color guard with approved audition. Class meeting is five hours per week. May be repeated for credit.
**Semester Hours** 0.0

### MUSP 233 : Instrumental Ensemble

Participation by audition only. Various instrumental combinations possible. One to three hours of rehearsal per week. One-half semester hour. May be repeated for credit.
**Semester Hours** 0.0

### MUSP 234 : Guitar Ensemble

Participation by audition only. One or two hours of rehearsal per week; performances at various campus venues. One-half semester hour. May be repeated for credit.
**Semester Hours** 0.0

### MUSP 235 : Pep Band/Wind Ensemble

Open to all students who play instruments and are interested in performing for various campus events. Class meetings two hours per week. One-half semester hour. May be repeated for credit.
**Semester Hours** 0.0

### MUSP 236 : Brass Quintet

Participation by audition only. Class meetings two to three hours per week; performances for many on-campus and off-campus events and frequent tours. One-half semester hour. May be repeated for credit.
**Semester Hours** 0.0

### MUSP 237 : Brass Ensemble

Open to all students who play brass instruments and are interested in playing in a large brass ensemble. Class meetings two hours per week; performances at various campus functions. One-half semester hour. May be repeated for credit.
**Semester Hours** 0.0

### MUSP 238 : Trumpet Ensemble

Open to all students who play the trumpet and are interested in performing in a large ensemble. Class meetings two hours per week; performances at various campus functions. One-half semester hour. May be repeated for credit.
**Semester Hours** 0.0

### MUSP 239 : Woodwind Ensemble

Open to all students who play woodwind instruments and are interested in performing in a large ensemble. Class meetings two hours per week; performances at various campus functions. One-half semester hour. May be repeated for credit.
**Semester Hours** 0.0

### MUSP 240 : Opera & Musical Theatre Scences Workshop

Performance of excerpts from the standard repertoire. Open to coaches, accompanists, and stage directors as well as singers.
**Semester Hours** 4.0
**Prerequisites**
Instructor permission.

### MUSP 411 : Advanced Piano-Private

Studio lessons in piano, primarily for music majors at the advanced level. One hour lesson per week. Occasional performance class required.
**Semester Hours** 1.0
**Prerequisites**
Prior experience in piano and instructor permission.

### MUSP 412 : Advanced Organ-Private

Studio lessons in organ, primarily for music majors at the advanced level. One hour lesson per week. Designed for the student with sufficient facility at the keyboard to permit successful integration of the pipe organ pedalboard.
**Semester Hours** 1.0
**Prerequisites**
Prior experience in organ and instructor permission.

### MUSP 413 : Advanced Guitar-Private

Studio lessons in guitar, primarily for music majors at the advanced level. One hour lesson per week.
**Semester Hours** 1.0
**Prerequisites**
Prior experience in guitar and instructor permission.

### MUSP 414 : Advanced Brass-Private

Studio lessons in brass (trumpet, horn, trombone, euphonium, tuba), primarily for music majors at the advanced level. One hour lesson per week.
**Semester Hours** 1.0
**Prerequisites**
Prior experience in brass and instructor permission.

### MUSP 415 : Advanced Woodwinds-Private

Studio lessons in woodwinds (clarinet, saxophone, flute), primarily for music majors at the advanced level. One hour lesson per week.
**Semester Hours** 1.0
**Prerequisites**
Prior experience in woodwinds and instructor permission.

### MUSP 416 : Advanced Voice-Private

Studio lessons in voice, primarily for music majors at the advanced level. One hour lesson per week.
**Semester Hours** 1.0
**Prerequisites**
Prior experience in voice and instructor permission.

# Nursing

### NURS 203 : Fundamentals of Nursing

Fundamental skills are essential to the profession of nursing based on the metaparadigm of person, health, environment, and nursing. Students will focus on health promotion for individuals with altered health patterns, including skills required in providing competent and compassionate person-centered/family care. This course has didactic and clinical components.
**Semester Hours** 5.0
**Prerequisites**
BIOL 120 and BIOL 121
**Corequisites**
NURS 204 and NURS 205.

### NURS 204 : Healthcare of the Older Adult

Increasing life expectancy leads to the rapid aging of populations around the world. By 2050, approximately 16% of the global population will be 65 years or older. Older adults have self-care needs related to health promotion, disease prevention, and assistance in maintaining independence increase with advancing age. Focus on improving care for this population is vital to support independent living and quality of life. This course has didactic and clinical components.
**Semester Hours** 5.0
**Prerequisites**
BIOL 120, 121; NURS 203

### NURS 206 : Global Issues in Healthcare

Political and economic factors as well as the cultural processes of globalization significantly impacts population health, healthcare systems and global health. A global perspective will be used to examine varying meanings of health as well as the range of factors that encourage the health of some and exclude it from others. Specific emphasis on ethical frameworks based on human rights, cultural diversity, and social justice to enhance understanding of the global dimensions of health and disease, various strategic health initiatives, and correlating healthcare interventions. Additional focus on the impact of HIV/AIDS, human trafficking, infectious diseases, health in reproduction, social determinants of health will be explored. This courses satisfies the CORE 300 requirement.
**Semester Hours** 3.0

### NURS 207 : Cultural Concepts in Healthcare

Culture and care are crucial for human survival. Understanding the cultural diversity and its components, such as distinct practices, beliefs and values, communication patterns, mental process, behaviors, traditions, and philosophy of clients can assist healthcare providers to respond in a culturally sensitive manner. Cultural diversity is used to implement healthcare services and programs. Students will explore the meaning of being human, caring, empathetic, and understanding of the healthcare needs of a multi-cultural society and review care processes to provide culturally diverse nursing care. This course satisfies the CORE 200 requirement.
**Semester Hours** 3.0

### NURS 300 : Nursing Ethics

Ethical issues related to nursing practice profoundly impacts healthcare delivery in today's society. Students will explore foundational theories, concepts and professional issues and will transition into ethical issues across the lifespan and will conclude with special issues and specific populations. Students will apply scholarly inquiry of ethical issues and the impact in current nursing practice.
**Semester Hours** 3.0

### NURS 302 : Pharmacology I

Pharmacology I introduces the science of pharmacology within the domain of the nurse in the preparation, administration, and management of medications. This course focuses on the basic drug classifications, principles of pharmacodynamics and pharmacokinetics, and safe medication practices to prevent and reduce errors including competency in drug calculations. The course approach encompasses a comprehensive approach using the nursing process to provide a foundation for the nurse in health promotion, disease prevention, and management through the provision of safe and effective medication therapy.
**Semester Hours** 3.0
**Prerequisites**
BIOL 120, 121; NURS 203, 204.
**Corequisites**
NURS 304, 305.

### NURS 303 : Pharmacology II

Pharmacology II extends the core pharmacological principles presented in Pharmacology I. This course allows for the learner to build upon and apply previous gained knowledge and skills with the continuation of safe medication practice including a further immersion into the basic drug classifications, principles of pharmacodynamics and pharmacokinetics, error prevention and reduction, and competency in drug calculations. The course encompasses a comprehensive approach of the nursing process to provide a foundation for the nurse in health promotion, disease prevention, and management through the provision of safe and effective medication therapy including considerations such as complementary, alternative, and integrative therapies.
**Semester Hours** 3.0
**Prerequisites**
BIOL 120, 121; NURS 203,204,302,304,305.
**Corequisites**
NURS 306, 307

### NURS 304 : Medical-Surgical Nursing I

Medical- surgical nursing involves the management of patients with a variety of medical (nonsurgical) issues and the care of patients preparing for or recovering from surgery. Content includes a focus on the different body systems and disease processes, signs and symptoms, testing, and nursing interventions. Students will focus on utilizing the nursing process to deliver evidence based patient care. Integrating knowledge and skill, students will have the opportunity to develop clinical reasoning skills necessary to coordinate and prioritize patient care while emphasizing patient safety at all times. This course has didactic and clinical components.
**Semester Hours** 5.0
**Prerequisites**
BIOL 120, 121; NURS 203, 204.
**Corequisites**
NURS 302, 305.

### NURS 305 : Psychiatric Nursing

Psychiatric-mental health nursing requires a wide range of nursing, psychosocial, and neurobiological expertise. Psychiatric-mental health nurses promote well-being through prevention and education, in addition to the assessment, diagnosis, care, and treatment of mental health and substance use disorders. Students will focus on the integration professional mental health roles for the nurse through the constructs of caring, communication skills, and in management of the therapeutic milieu. This course has didactic and clinical components.
**Semester Hours** 5.0
**Prerequisites**
BIOL 120, 121; NURS 203,204.
**Corequisites**
Three lecture hours and two lab/clinical hours.

### NURS 306 : Maternal-Child Nursing

Maternal-child nursing is a specialty focused on the care of women throughout their pregnancy and childbirth and the care of their newborn children. Focus is on the reduction of maternal, perinatal, infant and childhood mortality and morbidity and the promotion of reproductive health and the physical and psychosocial development of the child and adolescent within the family. This course has didactic and clinical components.
**Semester Hours** 5.0
**Prerequisites**
BIOL 120, 121; NURS 203,204,302,304,305.
**Corequisites**
Three lecture hours and two lab/clinical hours.

### NURS 307 : Pediatric Nursing

Pediatrics is a specialty focused on patients from infancy to adolescents with an emphasis on promoting, maintaining, and restoring health of the child as a member of the family unit. Students build fundamental nursing skills for maternal-newborn and pediatric care, including clinical reasoning, cultural competence, and evidence-based practice. This course has didactic and clinical components.
**Semester Hours** 5.0
**Prerequisites**
BIOL 120, 121; NURS 203 204,302,304,305.
**Corequisites**
NURS 303, 306. Three lecture hours and two lab/clinical hours.

### NURS 350 : Special Topics in Nursing

Study of selected topics in nursing. Includes areas of knowledge and skills not covered in the core curriculum. The subject matter will vary given the interest of the students and the expertise of the professor teaching the course. The exact topic will be indicated on the student transcript. This course may be repeated for credit.
**Semester Hours** 3.0

### NURS 400 : Pathophysiology

Pathophysiology refers to the study of abnormal changes in body functions that are the causes, consequences, or concomitants of disease processes which may occur throughout the lifespan. Students will focus on the concepts of adaptation and homeostasis of the body systems and association to nursing practice.
**Semester Hours** 3.0
**Prerequisites**
Anatomy and Physiology; Microbiology.

### NURS 401 : Health Assessment

Health assessment is the evaluation of the health status of an individual along the health continuum. The purpose of the assessment is to establish where on the health continuum the individual is because this guides how to approach and treat the individual. Physical assessment skills complement the health history. Students will learn skills necessary to perform a comprehensive health assessment utilizing the skills of history taking, inspection, palpation, percussion, and auscultation of individuals across the lifespan. Includes ways to integrate normal assessment findings, health literacy, social determinants of health as well as frequently seen variations from normal and cultural differences. Students practice health assessment skills in laboratory and simulation.
**Semester Hours** 3.0
**Prerequisites**
Admission to RN to BSN program.

### NURS 402 : Informatics & Technology

Data provides the scientific basis to make decisions to improve patient care. Explore ethical, legal, professional and social concerns related to healthcare informatics and technology. Students will develop skills in utilizing technology including electronic health records (EHR), spreadsheets, database searches. Nurses with communication, technology, and information literacy skills can improve practice and patient outcomes and contribute to the scholarship of nursing.
**Semester Hours** 3.0

### NURS 403 : Evidence-Based Practice and Nursing Research

Evidence Based Practice is a process used to review, analyze, and translate the latest scientific evidence and is the cornerstone of clinical practice. Integrating Evidence Based Practice into your nursing practice improves quality of care and patient outcomes. Students will identify the steps of evidence practice, appraising quantitative and qualitative evidence for clinical practice, and moving from evidence based practice to sustainable change in professional nursing practice.
**Semester Hours** 3.0

### NURS 404 : Leadership & Management in Nursing

A nurse leader oversees a team of nurses, making decisions and directing patient care initiatives. They apply advanced clinical knowledge and focus on improving patient health outcomes. Significant concepts include application of evidence to practice, skills of leadership and management, self-directed learning, interprofessional collaboration and teamwork, time management, and quality improvement. Emphasis will be placed on social and environmental hazards for healthcare workers, such as bullying, harassing, conflict resolution and workplace violence. This course has didactic and clinical components.
**Semester Hours** 3.0
**Lab Hours** 1

### NURS 405 : Healthcare Policy & Finance

The amount and way healthcare delivery systems are paid for producing their services is constantly changing. Healthcare organizations are rewarded to demonstrate quality outcomes. Nurses need a foundational understanding of healthcare economics, financing, and policies which have a significant impact on the provision of care, nursing practice, and society implications. Students will examine how the Social Determinants of Health (SDOH) and how the allocation of resources impacts patients, laws shape payment and how to advocate for quality care.
**Semester Hours** 3.0

### NURS 407 : RN to BSN Capstone

A synthesis of the RN-BSN track, the capstone practicum serves as a culminating academic and intellectual experience for students. The student participates in academic endeavors demonstrating application, synthesis and evaluation of nursing concepts and issues from knowledge gained throughout the program. Emphasis will be placed on the concentration to professional growth and impact to the nursing profession. This course has didactic and clinical components.
**Semester Hours** 2.0

### NURS 409 : Medical Surgical Nursing II

Medical-Surgical nursing II is an advanced continuation of Medical-Surgical I with an emphasis on providing care to patients with increasing complex acute and chronic issues. Broadening and building on their knowledge base and clinical skills, students will have the opportunity to deliver comprehensive nursing care, with an emphasis on patient safety. Students will be encouraged to consider how a patient's underlying health issues could affect recovery from any medical/surgical procedure, and then implement the nursing process to make necessary revisions in plans of care to improve patient outcomes. Therapeutic communication skills will evolve and prepare the student to be an advocate for their patients and become leaders in coordinating care among the interprofessional health care team. This course has didactic and clinical components.
**Semester Hours** 5.0
**Prerequisites**
BIOL 120, 121; All NURS 200 and 300 courses.

### NURS 411 : Population & Rural Health

Population health is the health outcomes of a group of individuals, including the distribution of such outcomes within the group. Basic epidemiology principles, concepts and procedures will be discussed in the relationship to population-based healthcare. Health prevention (primary, secondary, and tertiary) and health promotion principles will be emphasized.
**Semester Hours** 3.0
**Prerequisites**
All NURS 200 and 300 level courses, NURS 409.
**Corequisites**
NURS 412,413.

**NURS 412 : Population & Rural Health Practicum**
Focus is on the application of theoretical and empirical knowledge in using the nursing process in rural community settings to promote, maintain and restore health. Focuses on trans-cultural nursing concepts, rural home health care delivery and population health. Students will engage in clinical experiences in rural and underserved communities. This practicum course requires co-enrollment NURS 412. 1 credit hour for RN-BSN - 2.0 credit hour for TBSN
**Semester Hours** 1.0
-2

**NURS 413 : Professional Leadership Capstone**
Professional leadership focuses on a culmination of knowledge obtained throughout the nursing program to prepare the individual for the transition to professional nursing practice. The role of the professional nurse integrating professional values in the delivery of safe, culturally-sensitive quality care is explored. Purposeful reflective journaling will be used to discover self-knowledge and insight by focusing on their nursing care experiences. Review for the NCLEX-RN will include test taking skills, clinical reasoning and clinical judgement. This course has didactic and clinical components.
**Semester Hours** 5.0

# Peace and Social Justice Studies

**PJST 100 : Introduction to Peace & Social Justice**
Exploration and survey of the fields of peacebuilding, conflict resoultion, nonviolence, and social justice. Students will explore and become familiar with the theoretical frameworks of peacebuilding and social justice; articulate arguments for and against various approaches; and consider their own applications and praxis in the field.
**Semester Hours** 3.0

**PJST 200 : Nonviolence and Conflict Resolution**
Nonviolence and Conflict Resolution - Examination of various theories and approaches to nonviolent action, including but not limited to civil disobedience, economic actions, and other disruptive tactics; and, examination of various theories and applications of nonviolent conflict resolution. Students will explore these topics through historic and contemporary examples through the study of social action in India, South Africa, and the United States.
**Semester Hours** 3.0

**PJST 205 : Peacebuilding Multicultural World**
Peacebuilding in a Globalized, Multicultural World - Examination of the theories and approaches to peacebuilding and social justice through feminist, indigenous, Global South, and non-Christian perspectives, with attention to the applications and implications of such theories in multicultural settings.
**Semester Hours** 3.0

**PJST 350 : Peace & Social Justice Special Topics**
Peace & Social Justice Special Topics - Special topics courses as requested will provide students the opportunity to examine topics relevant to peacebuilding and social justice in historical or contemporary settings.
**Semester Hours** 3.0

**PJST 400 : Capstone Internship and Seminar**
Capstone Internship and Seminar - Grounded in a rigorous internship experience with a local peace and social justice organization, students will synthesize their learning in the minor through readings and discussions, with particular attention given towards the implications of their learning as it relates to their roles in communities and careers.
**Semester Hours** 3.0

# Philosophy, Political Science, and Economics

**PPE 450 : Seminar in Philosophy, Political Science, and Economics**
Advanced study of selected topics in Philosophy, Political Science, and Economics, including team-teaching and student presentations of senior projects. Open to senior PPE majors or by permission of instructors.
**Semester Hours** 1.0

# Physics

**PHYS 100 : Conceptual Physics**
Exploration of physical concepts, social and philosophical implications, utility and limitations of physics for solution of problems in the modern world. Not intended for potential science majors.
**Semester Hours** 4.0
**Lab Hours** 2

**PHYS 101 : Astronomy**
General introduction to the theories and techniques of astronomy.
**Semester Hours** 4.0
**Lab Hours** 2

**PHYS 110 : College Physics I**
Introductory two-semester sequence to the fields of mechanics, thermal physics, sound, electricity, magnetism, optics, atomic and nuclear physics. This sequence is not suitable for the physics major or minor, nor the chemistry or biology majors.
**Semester Hours** 4.0
**Prerequisites**
MATH 121 or higher.

### PHYS 111 : College Physics II

Continuation of introductory two-semester sequence to the fields of mechanics, thermal physics, sound, electricity, magnetism, optics, atomic and nuclear physics. This sequence is not suitable for the physics major or minor, nor the chemistry or biology majors.
**Semester Hours** 4.0
**Prerequisites**
MATH 121 or higher and PHYS 110.

### PHYS 121 : Introduction to Engineering Science

Students will be introduced to engineering fundamentals and will be prepared for success through integration of problem solving and engineering design, ethical decision-making, teamwork, and communicating to diverse audiences. Students will be introduced to the different types of engineering, including aerospace, biomedical, chemical, civil, computer, electrical, environmental, and mechanical engineering.
**Semester Hours** 4.0
**Lab Hours** 3
**Prerequisites**
MATH 123 or equivalent.

### PHYS 201 : General Physics I

Introduction to mechanics, heat, sound, electricity and magnetism, and optics. Workshop format, providing a background in basic physics for all science majors, including those interested in the health sciences.
**Semester Hours** 4.0
**Prerequisites**
MATH 151.
**Corequisites**
MATH 151.

### PHYS 202 : General Physics II

Introduction to mechanics, heat, sound, electricity and magnetism, and optics. Workshop format, providing a background in basic physics for all science majors, including those interested in the health sciences.
**Semester Hours** 4.0
**Prerequisites**
PHYS 201.

### PHYS 285 : Research Experience in Physics

Hands-on research experience through assistance in faculty research or approved student-proposed projects.
**Semester Hours** 1.0
**Prerequisites**
PHYS 202 and departmental permission.

### PHYS 286 : Research Experience in Physics II

Hands-on research experience, assisting in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
PHYS 202 and departmental permission.

### PHYS 287 : Research Experience in Physics III

Hands-on research experience, assisting in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
PHYS 202 and departmental permission.

### PHYS 288 : Research Experience in Physics IV

Hands-on research experience, assisting in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
PHYS 202 and departmental permission.

### PHYS 311 : Modern Physics

Introduction to atomic and nuclear physics, quantum mechanics, and the theory of relativity. Laboratory experiments which form the foundation of the modern view of the physical world.
**Semester Hours** 4.0
**Lab Hours** 3
**Prerequisites**
PHYS 202 and MATH 151 or departmental permission.

### PHYS 321 : Intermediate Mechanics

Statics and dynamics of rigid bodies with extensive use of vector calculus; Lagrangian and Hamiltonian formulations of mechanics.
**Semester Hours** 3.0
**Prerequisites**
PHYS 202 and MATH 253.
**Corequisites**
PHYS 355 or MATH 353.

### PHYS 350 : Special Topics

Selected topics in physics chosen by the instructor in response to student needs and interests.
**Semester Hours** 4.0
**Prerequisites**
PHYS 202 and instructor permission.

### PHYS 355 : Mathematical Methods for Physical Science I

This course introduces some of the mathematical tools required for upper-level physics courses. Emphasis is placed on recognizing the equations that appear repeatedly in many different areas of physics and understanding their solutions. Topics include ordinary differential equations of first & second order, series solution of differential equations, vector analysis, Fourier series, partial differential equations, boundary value problems, and integral transforms.
**Semester Hours** 4.0
**Prerequisites**
MATH 253.

### PHYS 361 : Electronic Instrumentation

Study of circuits used in scientific instrumentation; emphasis on electrical measurements, digital electronics, and analog circuits; characteristics of transducers and detectors.
**Semester Hours** 4.0
**Lab Hours** 3
**Prerequisites**
PHYS 202 and MATH 151 or departmental permission.

### PHYS 411 : Electromagnetic Theory

Systematic study of electromagnetic phenomena with extensive use of vector calculus and Maxwell's equations.
**Semester Hours** 3.0
**Prerequisites**
PHYS 202 and MATH 253.

### PHYS 421 : Quantum Mechanics

Methods of quantum mechanics including development of Schroedinger equation, its solutions for certain cases, and applications to atomic, nuclear, and solid state physics.
**Semester Hours** 3.0
**Prerequisites**
PHYS 311, PHYS 321, PHYS 411, and MATH 353.

### PHYS 440 : Astrophysics

Mathematical treatment of modern astrophysics. Astronomical instruments, solar system, stars, interstellar matter, galaxies, quasars, pulsars, cosmology, and astrophotography.
**Semester Hours** 3.0
**Prerequisites**
PHYS 202 or departmental permission.

### PHYS 450 : Senior Seminar

Study of current topics in physics based on survey of primary literature. Focus on oral communication through scientific presentations and small-group discussions.
**Semester Hours** 1.0
**Prerequisites**
PHYS 311 and senior status.

### PHYS 451 : Advanced Laboratory

Laboratory study of various topics selected from the current literature, including nonlinear dynamics, optics, atomic physics, and nuclear physics.
**Semester Hours** 4.0
**Lab Hours** 7
**Prerequisites**
PHYS 311.

### PHYS 455 : Mathematics of the Physical Science

Series solutions of differential equations, Fourier analysis, partial differential equations, and functions of a complex variable with emphasis on application to physical systems.
**Semester Hours** 3.0
**Prerequisites**
PHYS 353 and PHYS 202 or departmental permission.

### PHYS 460 : Independent Study

Individual experimental or theoretical research approved and directed by the department.
**Semester Hours** 3.0
-4

### PHYS 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
PHYS 201, PHYS 202, PHYS 311, junior or senior status and departmental permission.

### PHYS 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
PHYS 201, PHYS 202, PHYS 311, junior or senior status, and departmental permission.

### PHYS 490 : Honors Thesis I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status and GPA of 3.0 or higher.

### PHYS 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status and GPA of 3.0 or higher.

# Politics, Law, and International Relations

The members of the Department of Politics, Law, and International Relations offer two distinct major tracks in Political Science (listed below). Furthermore, in conjunction with colleagues from other departments, we participate in five different interdisciplinary majors: Philosophy, Political

Science, and Economics (PPE, listed separately in this catalog); Asian Studies (ASIA); European Studies (EUST); Middle Eastern and Islamic Studies (MEIS); and International Studies and Business (INSB) (the last four listed separately in this catalog under International Studies).

### POLS 103 : Politics of the United States

Introductory study of (1) the nature and origins of the United States constitution; (2) structure, organization, and functions of the executive, legislative, and judicial branches of the national government; and (3) the evolution and character of elections, media, parties, and interest groups in American political society.
**Semester Hours** 3.0

### POLS 105 : Introduction to International Relations

The concepts, theories, and debates of International Relations, with a focus on contemporary issues across all regions of the globe. Emphasis on the role of states, international organizations, NGOs, and individuals in both cooperation and conflict, and the ways in which transnational issues related to globalization challenge state sovereignty.
**Semester Hours** 3.0

### POLS 117 : Law and Society

Contexts and range of tasks confronting modern societies in using the law as a special type of process that restores, maintains, or corrects the four basic functions of the law: resolution of disputes, facilitation and protection of voluntary arrangements, molding moral and legal conceptions of a society, and maintenance of historical continuity and consistency of doctrine.
**Semester Hours** 3.0

### POLS 202 : State & Local Govt in US

Overview of the politics, elections, institutions, policy practices, and court systems of the states and their local governments in the U. S. federal system. Special emphasis on Virginia politics. Participation in a community service project.
**Semester Hours** 3.0
**Prerequisites**
POLS 103.

### POLS 215 : Introduction to Comparative Politics

Basic theories and issues in the field of Comparative Politics, issues of economic development and regime type, reasons why different countries work under different political institutions, and the benefits and shortcomings of different institutional configurations. Important political and social issues analyzed from a comparative perspective.
**Semester Hours** 3.0

### POLS 216 : Politics of Decision Making

Assessment and critique of theories of decision making in political science, ranging from rational choice theory to new attempts to incorporate neuroscience into political theory. Application of decision-making theories to issue areas and case studies such as crisis decision making and ethnic conflict. Application of theories of decision making to both historical and contemporary settings.
**Semester Hours** 3.0

### POLS 217 : Constitutional Interpretation

Development and evolution of the institutions of political power under the United States Constitution with particular emphasis on amendments to the Constitution and major decisions of the Supreme Court on the nature and scope of the judicial power, the expansion of national regulation, the changes in the roles of the states and the national governments, and the growth of executive power.
**Semester Hours** 3.0

### POLS 221 : Writing in Political Science

Writing skills specific to the social sciences for political science majors. Proper APA citation format, how to incorporate correctly cited direct quotations and paraphrased sources into political science writing, how to find sources and write a literature review, and how to revise writing and incorporate instructor feedback into subsequent drafts.
**Semester Hours** 3.0

### POLS 223 : International Political Economy

Reciprocal interaction of international political and international economic relations, the formation of industrial policy and trade policy, and issues related to international investment flows. Cases from Asia, the Middle East, Europe, and North America.
**Semester Hours** 3.0
**Prerequisites**
ECON 151, ECON 152, and POLS 105.

### POLS 225 : Comparative Politics in the Middle East & North Africa

Interaction of culture, economy, society, intellectual and ideological currents, international environment, and the nature of change and nation-building in selected nations of the Middle East and North Africa. Emphasis on Egypt, Iran, and Turkey; the Levant states of Israel, Lebanon, and Syria; the Gulf states of Iraq and Saudi Arabia; and Algeria in North Africa. This course satisfies the Global core requirement.
**Semester Hours** 3.0

### POLS 235 : Comparative Politics in Western Europe

Interaction of history, culture, economy, society, and international environment in shaping contemporary European political systems at the national, regional, and global level.
**Semester Hours** 3.0

### POLS 240 : History of Political Philosophy

Major works from the history of political philosophy with emphasis on the development of major ideas in political philosophy, debates between major thinkers, and the relevance of great works of political philosophy to human self-understanding and major political issues of our time.
**Semester Hours** 3.0

### POLS 245 : Comparative Politics of Asia

Political, economic, and societal dimensions of Japan, China, the Koreas, and India, including security issues in the region and the foreign economic policies of each country. This course satisfies the Global core requirement.
**Semester Hours** 3.0

### POLS 255 : Politics of Latin America

Basic theories and issues of comparative politics of Latin America, including development, modernization, dependency, populism, authoritarianism, democratization, democratic breakdown, civil-military relations, political institutions, and governance.
**Semester Hours** 3.0

### POLS 285 : Research Experience in Political Science

Hands-on research experience, assisting in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
Sophomore status and departmental permission.

### POLS 286 : Research Experience in Political Science II

Hands-on research experience, assisting in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
Sophomore status and departmental permission.

### POLS 287 : Research Experience in Political Science III

Hands-on research experience, assisting in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
Sophomore status and departmental permission.

### POLS 288 : Research Experience in Political Science IV

Hands-on research experience, assisting in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
Sophomore status and departmental permission.

### POLS 310 : Parties and Elections in American Politics

Exploration of the role that parties, elections, interest groups, public opinion polls, and the media play in the political system of the United States, including discussions of the evolution of the American party system, the character of contemporary political campaigns, and campaign finance issues.
**Semester Hours** 3.0

### POLS 311 : The President and Congress

The institutional structure and operation of each branch; their constitutional, electoral, and political interrelationships including discussions of styles of presidential leadership, the evolving relationship between the President and the bureaucracy, congressional committee structures, and various strategies for securing the interbranch agreement necessary to make laws.
**Semester Hours** 3.0

### POLS 312 : Politics and Public Policy

This course will focus on state and federal policy, with an emphasis on policy development and analysis. The course will provide an overview of role of various institutions, politics, and various actors on the policy process. Major theoretical models of policy development will be addressed.
**Semester Hours** 3.0

### POLS 313 : Modern Espionage: Algorithms, Intelligence, & Whistleblowers

This course provides a dynamic journey through historical foundations, contemporary practices, and ethical considerations shaping the realm of intelligence. Students will delve into history and ethics of intelligence gathering, examining the roles and agendas of intelligence agencies within nation-states and the rights of citizens and individuals who challenge the status quo in a surveilled world. Students will analyze strategic actions, including covert operations, counterintelligence, and the integration of artificial intelligence and machine learning in intelligence analysis.
**Semester Hours** 3.0

### POLS 314 : National and International Security

Exploring and theorizing various national and international security issues, including nuclear proliferation, shifts in the frequency and nature of wars, genocide, ethnic conflict, and the use of political violence by state and non-state actors. Emphasis on the debates surrounding American primacy, counterterrorism, transnational security issues, and efforts for global and regional security cooperation.
**Semester Hours** 3.0

### POLS 315 : Political Movements and Protests

Explore the fundamental concepts and theories surrounding political movements, understanding the motivations behind collective action and social change. This course delves into the rich tapestry of historical and contemporary movements, analyzing their origins, ideologies, and the role they play in shaping political landscapes worldwide.
**Semester Hours** 3.0

### POLS 316 : Pop Culture, Propaganda, & Censorship

Students in this course will explore the intricate interplay between political institutions and media. This course critically examines the role of popular culture as a powerful tool for political influence, exploring how governments, organizations, and individuals employ propaganda and censorship to shape narratives and control information.
**Semester Hours** 3.0

### POLS 317 : Civil Rights and Liberties

Role of the U.S. Supreme Court in using cases based on the Constitution to protect the rights of citizens from undue or prohibited interference with their protected liberties, including discussions of cases dealing with individual versus group rights, religious liberty, free expression, racial and gender discrimination, political participation, rights of the aged, immigrants, and the criminally accused.
**Semester Hours** 3.0

### POLS 329 : Democracy & Democratization

In this course, students will explore the multifaceted concept of democracy and the intricate processes of democratization. This course critically examines the historical development, theoretical underpinnings, and contemporary challenges of democratic governance across the globe.
**Semester Hours** 3.0

### POLS 337 : Women in Politics

The political roles, attitudes, and status of women worldwide, including assessments of women's participation, cultural empowerment, and access to resources across diverse case studies and regions of the world. Emphasis on women and political activism, the construction of gender roles for political purposes, and the impact of globalization on women.
**Semester Hours** 3.0

### POLS 343 : Studies in American Political Development

Studies in specific periods or issues in American politics including major events in American political history; major works and important thinkers in the American political tradition; the historical development of political thought and practice in the United States; and the fundamental tensions present in the American commitment to democratic government, individual liberty, equality, and the public good. Topics may include the American Founding, Rise and Fall of Jacksonian Democracy, the Long Reconstruction, Issues in Current Constitutional Construction, etc.
**Semester Hours** 3.0

### POLS 350 : Special Topics in Political Science

Selected topics in American government, political history or theory, comparative government, or public policy. Topics chosen by instructors in consultation with student interests. May be repeated for different topics.
**Semester Hours** 1.0
-3

### POLS 400 : Moot Court

Development of student skills in legal research, reasoning, argumentation, and writing. Team preparation of an appellate brief on a moot court case and appellate argument before a panel of faculty and visiting attorneys.
**Semester Hours** 3.0
**Prerequisites**
POLS 117 and POLS 217.

### POLS 401 : Moot Court II

Development of student skills in legal research, reasoning, argumentation, and writing. Team preparation of an appellate brief on a moot court case and appellate argument before a panel of faculty and visiting attorneys.
**Semester Hours** 1.0
**Prerequisites**
POLS 117, POLS 217, and POLS 400.

### POLS 429 : International Dispute Resolution

Peaceful settlement of disputes involving application of international law, including disputes between sovereign states, disputes between states and individuals, and disputes between states and corporations. Institutions concerned with dispute settlement such as arbitral tribunals, the International Court of Justice, and more specialized bodies such as the International Center for Settlement of Investment Disputes, the World Trade Organization, and other institutions handling economic, political, and human rights disputes.
**Semester Hours** 3.0

### POLS 450 : Seminar: Problems in Politics

Selected political issues associated with the institutions, culture, and politics of the United States; international or comparative politics; or political theory, thought, or philosophy. All students will complete a major research essay on a topic of their choice. May be re-taken for credit with different topics. Repeated courses will count as a 300 level POLS elevtive.
**Semester Hours** 3.0
**Prerequisites**
POLS 103, POLS 105, POLS 215, POLS 240, and senior status or departmental permission.

### POLS 460 : Independent Study

Advanced independent research in a specific area of political science, under the supervision of a faculty member.
**Semester Hours** 4.0
**Prerequisites**
Junior or senior status and departmental permission.

### POLS 470 : Internship I

Work experience related to the student's major, jointly supervised by the instructor and agency personnel. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Junior or senior status.

### POLS 471 : Internship II

Work experience related to the student's major, jointly supervised by the instructor and agency personnel. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Junior or senior status.

### POLS 490 : Honors Thesis I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status and GPA of 3.0 or higher.

### POLS 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status and GPA of 3.0 or higher.

# Psychology

### PSYC 101 : Introduction to Psychology as a Natural Science

Basic processes of human behavior, sensation and perception, motivation, conditioning and learning. Laboratory introduction to experimental design and statistics. (This course will not fulfill teacher certification requirements for lab science.)
**Semester Hours** 4.0
**Lab Hours** 3

### PSYC 102 : Introduction to Psychology as a Social Science

Complex processes of human behavior. Child and adult development, personality, abnormal psychology, social psychology, and issues of gender, sexuality, and culture.
**Semester Hours** 3.0

### PSYC 205 : Psychology of Sex and Gender

A critical and multi-disciplinary inquiry into various theories, methods, and research concerning the issue of psychological differences between females and males. Historical, biological, sociological and anthropological perspectives.
**Semester Hours** 3.0
**Prerequisites**
Sophomore status or instructor permission.

### PSYC 210 : Personality Theories

Selected influential theories of personality that address aspects of human behavior and psychological functioning.
**Semester Hours** 3.0
**Prerequisites**
PSYC 102.

### PSYC 211 : Research Design in Psychology

Introduction to behavioral research, emphasizing experimental method. Critical examination of factors determining validity and limiting inferences. Applications of statistics and scientific writing.
**Semester Hours** 4.0
**Lab Hours** 3
**Prerequisites**
STAT 163.

### PSYC 220 : Child Development

Survey of the physical, cognitive, emotional, and social changes that occur in infancy, childhood, and adolescence.
**Semester Hours** 3.0
**Prerequisites**
PSYC 102.

### PSYC 231 : Lifespan Development

This course follows the developing person from conception until the end of life using theory, research, and practical applications to understand genetic influences; prenatal and birth factors; and physical, cognitive, social personality, and cultural variables that influence development throughout lifespan (infancy, childhood, adolescence, early adulthood, middle adulthood, and late adulthood).
**Semester Hours** 3.0
**Prerequisites**
PSYC 102 or instructor permission.

### PSYC 285 : Research Experience in Psychology

Hands-on research experience, assisting in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
PSYC 211 and departmental permission.

### PSYC 286 : Research Experience in Psychology II

Hands-on research experience, assisting in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
PSYC 211 and departmental permission.

### PSYC 287 : Research Experience in Psychology III

Hands-on research experience, assisting in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
PSYC 211 and departmental permission.

### PSYC 288 : Research Experience in Psychology IV

Hands-on research experience, assisting in faculty research projects.
**Semester Hours** 1.0
**Prerequisites**
PSYC 211 and departmental permission.

### PSYC 315 : Testing and Measurement

Issues relevant to psychological testing including intellectual, traditional personality, and behavioral assessment. Psychometric construction and evaluation of standardized tests. Service learning component in this course.
**Semester Hours** 3.0
**Prerequisites**
PSYC 102 and STAT 163.

### PSYC 316 : Physiology Psychology

Biological basis of behavior with attention to structure and function of nervous system, endocrine glands, and sensory processes as determinants of behavior.
**Semester Hours** 4.0
**Lab Hours** 3
**Prerequisites**
PSYC 101 or BIOL 117.

### PSYC 318 : Health Psychology

Applications of psychology to the encouragement of health and wellness, to the prevention of disease, and to the healing process.
**Semester Hours** 3.0

### PSYC 320 : Learning and Cognition

Experimental investigation of learning and cognitive processes, including classical and operant conditioning, attention, perception, memory, language, problem-solving, and decision-making.
**Semester Hours** 4.0
**Lab Hours** 3
**Prerequisites**
PSYC 101.

### PSYC 321 : Abnormal Psychology

Description and classification of patterns of deviant behavior, identification of their determinants, survey of procedures for modifying disorders.
**Semester Hours** 3.0
**Prerequisites**
PSYC 102 and junior status or instructor permission.

### PSYC 340 : Cross-Cultural Psychology

Theory and research of cultural influences on human behavior and psychological processes. Combination of a classroom instructional component with a study abroad experience to identify and compare psychological aspects of different cultures. Students will be responsible for travel expenses to locations abroad.
**Semester Hours** 3.0
**Prerequisites**
Instructor permission.

### PSYC 350 : Special Topics

Selected topics in psychology chosen by the instructor in response to student needs and interests. May be retaken for credit for different topics.
**Semester Hours** 1.0
-3

### PSYC 411 : Research in Social Psychology

Behavior of the individual in social settings. Social and cultural influences on behavior, language and communication, attitudes and opinions, interpersonal relations, and group processes.
**Semester Hours** 4.0
**Lab Hours** 3
**Prerequisites**
PSYC 102, junior status, and PSYC 211 or SOCI 330.

### PSYC 422 : Application of Psychotherapeutic Technique

Overview of ethics related to psychotherapy, instruction in diagnostic interviewing, and application of general psychotherapeutic techniques shown to produce effective psychological intervention. Development of skills through the administration of the selected techniques in simulated therapeutic settings.
**Semester Hours** 4.0
**Lab Hours** 3
**Prerequisites**
PSYC 102 and PSYC 321.

### PSYC 430 : History of Psychology

Historical introduction to psychology. Selected theories of mind, brain, and behavior in western thought from ancient Greeks to contemporary "schools" of psychology.
**Semester Hours** 3.0
**Prerequisites**
PSYC 101 and PSYC 102, junior status or instructor permission.

### PSYC 450 : Seminar

Topics selected on basis of current research, and interest and needs of the students.
**Semester Hours** 3.0
**Prerequisites**
Junior status or instructor permission.

### PSYC 460 : Independent Study

Individual research to be designed, carried out, and reported, in the style of report writing approved for psychological journals, under the supervision of a faculty member.
**Semester Hours** 3.0
**Prerequisites**
Psychology major and senior status.

### PSYC 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Senior status and departmental permission.

**PSYC 471 : Internship II**

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Senior status and departmental permission.

**PSYC 480 : Senior Project I**

Basic or applied research undertaken in close consultation with the department. Design, conducting, and documentation of an independent research project.
**Semester Hours** 3.0
**Prerequisites**
PSYC 102, senior status, and departmental permission.

**PSYC 481 : Senior Project II**

Basic or applied research undertaken in close consultation with the department. Design, conducting, and documentation of an independent research project.
**Semester Hours** 3.0
**Prerequisites**
PSYC 211, senior status, and departmental permission.

**PSYC 490 : Honors Project I**

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status and GPA of 3.0 or higher.

**PSYC 491 : Honors Project II**

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status and GPA of 3.0 or higher.

# Quantitative Reasoning

**QUAN 101 : Quantitative Literacy in Ratio Analysis and Statistics**

Percent increase and decrease, unit conversions, numerical and graphical statistical summaries, probability, margin of error, law of large numbers and expected values. Use of statistical software. Intended for students preparing to pass the quantitative reasoning exam.
**Semester Hours** 1.0

**QUAN 102 : Quantitative Literacy in Logic and Finance**

Statements, converses, simple interest, compound interest, loans, credit cards, mortgages, taxes, paycheck deductions. Introduction to tax preparation software. Intended for students preparing to pass the quantitative reasoning exam.
**Semester Hours** 1.0

**QUAN 103 : Quantitative Literacy in Spatial Reasoning and Number Sense**

Volume, area, and perimeter calculations of simple and complex geometric figures, estimation techniques, introduction to current societal significant numbers. Use of statistical software. Intended for students preparing to pass the quantitative reasoning exam.
**Semester Hours** 1.0

# Religion and Philosophy

**PHIL 101 : Introduction to Philosophy**

Introduction to critical thinking through inquiry into fundamental aspects of philosophy; methods of critical analysis applied to selected ethical, religious, and metaphysical problems.
**Semester Hours** 3.0

**PHIL 201 : Ethics**

Critical examination of main procedures for making moral decisions. Application of ethical ideas to contemporary moral issues.
**Semester Hours** 3.0

**PHIL 211 : History of Ancient and Medieval Philosophy**

Examination of the development of philosophical ideas from 5th century B.C. through the Middle Ages; emphasis on Plato, Aristotle, Augustine, and Aquinas.
**Semester Hours** 3.0

**PHIL 212 : History of Modern Philosophy**

Development of philosophical ideas as seen in writings of selected thinkers from the Renaissance through the 19th century. Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, and Hegel.
**Semester Hours** 3.0

**PHIL 220 : Philosophy of Sport**

Analysis of the philosophical issues that arise in sport, investigation of the function and value of sport in society, and consideration of ethical dilemmas arising from participation in sport.
**Semester Hours** 3.0

**PHIL 221 : Health Care Ethics**

An examination of ethical questions related to medicine and biomedical research. Special emphasis on patient autonomy, informed consent, medical paternalism, research on animals and human subjects, and allocation of scarce medical resources.
**Semester Hours** 3.0

### PHIL 224 : Environmental Ethics

This course explores a variety of ethical questions regarding the environment and our relationship to it, including but not limited to what obligations we have to animals and wildlife, how those obligations weigh in designing policy, what individual decisions we ought to make regarding our interaction with the environment, and what obligations we have to future generations.
**Semester Hours** 3.0

### PHIL 231 : Techniques of Reasoning

Introduction to techniques of sound reasoning in written and verbal communication. Formulation and testing of arguments; means of identifying and correcting fallacious reasoning. Practical applications.
**Semester Hours** 3.0

### PHIL 305 : Asian Philosophies

This course surveys the beliefs, practices, and scriptures of Hinduism, Buddhism, Confucianism, Daoism, and Shinto. The course satisfies the Humanities Core requirement. This course satisfies the International Exploration requirement.
**Semester Hours** 3.0

### PHIL 314 : 20th Century Philosophy

The development of philosophy in the 20th century; logical positivism, ordinary language analysis, existentialism, pragmatism, and process philosophy.
**Semester Hours** 3.0
**Prerequisites**
PHIL 101 or PHIL 211 or instructor permission.

### PHIL 333 : Aesthetics

Examination of contemporary issues in philosophy of art: definition of a work of art, the nature of aesthetic experience, standards of aesthetic evaluation. Application to painting, sculpture, music composition and performance, drama, acting, film, and dance.
**Semester Hours** 3.0

### PHIL 335 : Philosophy of Religion

Critical examination of philosophical problems of religion: nature of religion, religious experience, theistic proofs, religious knowledge, religious language, alternative views of God, problem of evil, relation of religion and value experience.
**Semester Hours** 3.0
**Prerequisites**
PHIL 101 or PHIL 211 or instructor permission.

### PHIL 341 : Contemporary Problems of Justice

Examination of contemporary political philosophy and its application to key questions of justice in contemporary political life.
**Semester Hours** 3.0

### PHIL 350 : Special Topics

Selected topics in philosophy chosen by the instructor in response to student interests.
**Semester Hours** 3.0

### PHIL 450 : Seminar

Intensive study of a selected philosophical topic.
**Semester Hours** 3.0
**Prerequisites**
Departmental permission.

### PHIL 460 : Independent Study

Advanced independent research in a specific area of philosophy, under the supervision of a faculty member.
**Semester Hours** 1.0
-4
**Prerequisites**
Departmental permission.

### PHIL 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Junior or senior status, departmental permission, and completion of appropriate coursework.

### PHIL 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Junior or senior status, departmental permission, and completion of appropriate coursework.

### PHIL 480 : Senior Project

Individually-designed reading and research program, developed in consultation with faculty in the department, requiring the senior philosophy major to apply acquired analytical skills in attempting to solve a particular philosophical problem.
**Semester Hours** 3.0
**Prerequisites**
Departmental permission.

### PHIL 490 : Honors Thesis

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status and GPA of 3.0 or higher.

### PHIL 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status and GPA of 3.0 or higher.

### RELG 101 : Introduction to Religious Studies

Exploration of basic questions that arise in the study of religion. Attention is given to the variety of religious experience and practice.
**Semester Hours** 3.0

### RELG 111 : Global Religious Landscapes

This course undertakes the academic study of religion on a global scale. Attention is given to the origin, history, mythology, doctrines, and lived practices of religions that compose the global religious landscape.
**Semester Hours** 3.0

### RELG 130 : Introduction to the Bible

This course surveys the Jewish and Christian scriptures using modern historical methods. Attention is given to the development of Judaism in ancient Israel and to the emergence of Christianity.
**Semester Hours** 3.0

### RELG 131 : Old Testament Survey

This course practices close readings of selected texts in the Old Testament and Hebrew Bible using the methods of academic biblical studies. Designated material will be examined through literary analysis, archaeology, anthropology, and historical criticism with special emphasis on interpretive methods that examine texts in their original historical settings.
**Semester Hours** 3.0

### RELG 132 : New Testament Survey

This course discusses the literature of the New Testament in light of historical, social and religious conditions from which it emerged. Particular attention is given to historical issues related to Jesus and the origins of Christianity.
**Semester Hours** 3.0

### RELG 200 : Introduction to the Christian Faith

This course explores the beginning of Christianity as it emerges from its Jewish parentage and its expansion in the Greco-Roman, medieval, and modern world. Christian diversity, evolution, and belief are central themes in the class.
**Semester Hours** 3.0

### RELG 201 : Religious Individual Change

This course explores the lives, times, and influences of religious individuals who have made significant impact on their communities and societies. Particular attention is given to the historic context and the social factors of the different time periods.
**Semester Hours** 3.0

### RELG 202 : Archaeology & the Bible

This course surveys key historical contexts of the Old and New Testaments, and introduces some of the most groundbreaking archaeological finds of the last 150 years that have influenced reconstructions of the biblical world and interpretations of the Bible. This course also investigates important instances of archaeological forgeries.
**Semester Hours** 3.0

### RELG 203 : History of the Bible

This course explores the origins of the Christian Bible including the development of the textual tradition within ancient Israel in the formation of the Hebrew Scriptures, and the historical context of the production of the New Testament texts within early Christian communities. While not a language class, the course will pay particular attention to the Hebrew and Greek origins of the texts, as well as the processes of canonization and reception.
**Semester Hours** 3.0

### RELG 204 : Bibles before The Bible

This course introduces students to the array of manuscripts and written traditions from the ancient Near East and eastern Mediterranean that predate the modern canonized scriptures of Judaism and Christianity. Students will become familiar with the Greek Septuagint, the Dead Sea Scrolls, the Samaritan Pentateuch, and a wide range of apocryphal texts including gospels, vision narratives, and pseudonymous writings, all of which circulated as religious literature among Jewish and Christian communities before the existence of any Bible known today.
**Semester Hours** 3.0

### RELG 205 : Jesus and the Gospels

This course serves as an exploration of Jesus based on the experience of the early Christian community and its writings. The course will include a careful reading of the four New Testament gospels using a variety of interpretative methods. Students will also be introduced to scholarly research about Jesus from later historical time periods.
**Semester Hours** 3.0

### RELG 206 : New Testament Letters

This course surveys the corpus of New Testament letters in light of the historical, social and religious conditions from each emerged. Students will be introduced to ongoing scholarly conversations on the person of Paul while also engaging the fundamental question of what it means to read someone else's mail as religious literature. This course also explores the processes by which the letters now contained in the New Testament became scripture.
**Semester Hours** 3.0

### RELG 207 : Abraham in Text & Tradition

This course surveys the representation and reception of Abraham as a foundational figure in Jewish, Christian, and Muslim texts and communities across time. Investigation focuses on both similar and different memories of Abraham as an exemplar of faith, and on divergent familial trajectories as expressed through religious identity. The course also introduces students to scholarly debates on the use of "Abrahamic Traditions" as an investigative category.
**Semester Hours** 3.0

### RELG 208 : Religions of Ancient Egypt and Mesopotamia

The course introduces students to prominent religions in the ancient Near East during Bronze and Iron Ages, as well as some from the Persian and Hellenistic periods. Students will study the religious worlds of elites and common persons in ancient Egypt and Mesopotamia through textual and archaeological study. Focus is placed on the function of religion in daily life and on the social and cultural interconnections around the Mediterranean and southwest Asia.
**Semester Hours** 3.0

### RELG 210 : Core Questions in Relgious Studies

This course explores basic questions that arise from the academic study of religion. Students will deepen their understanding of influential thinkers, common methods of study, important debates, and key concepts in the academic study of religion.
**Semester Hours** 3.0

### RELG 220 : Prophets, Messiahs, & Apocalypticism

This course surveys the texts, teachings, and techniques of prophetic and messianic persons in Jewish, Christian, and Muslim traditions. Students will also explore the contours of different ancient and contemporary apocalyptic worldviews while developing a deeper understanding of the form and function of apocalyptic writings among historic and modern religious communities.
**Semester Hours** 3.0

### RELG 222 : Cosmos & Conflict: A History of God and Satan

This course explores fundamental questions regarding conceptions of the divine across religious traditions. In asking the core question, "What is a god?," the course also explores realms and hierarchies of superhuman powers representing good and evil. Students will examine textual and artistic representations of angels, demons, other superhuman powers and the afterlife, and explore how thought and depictions of these entities emerged and changed over time.
**Semester Hours** 3.0

### RELG 223 : Religion, Animals, & the Environment

This course takes up the study of religion and spirituality in relation to the natural world. Students will investigate how religious traditions have represented and integrated the natural world in religious life. Focus is given to themes of creation, evolution, sacred place, stewardship, and religiously-rooted responses to environmental crises. The course also explores the roles animals have played across history in religious texts and practice, namely as victims of sacrifice and as metaphors and agents of divine power.
**Semester Hours** 3.0

### RELG 224 : Cults & New Religious Movements

This course offers an in-depth exploration of New Religious Movements (NRMs) from a multidisciplinary perspective, delving into the origins, beliefs, practices, and societal impacts of these dynamic and often controversial movements. Students will analyze the emergence and evolution of NRMs across different cultures and historical periods, critically examining their ideologies, charismatic leaders, organizational structures, and interactions with mainstream societies.
**Semester Hours** 3.0

### RELG 225 : Religion, Medicine & Healthcare

This course explores the often unrecognized ways religion functions in secular spaces of medical practice. The course begins with a survey of historic intersections of medicine and religion across religious contexts before moving on to case-study based investigations of religion in the lives of medical practitioners and patients. Focus is given to generating constructive responses to religion in the healthcare landscape.
**Semester Hours** 3.0

### RELG 301 : Letters of Paul

Translation and interpretation of representative passages from Paul's writings.
**Semester Hours** 3.0
**Prerequisites**
RELG 102.

### RELG 305 : Asian Philosophies

This course surveys the beliefs, practices, and scriptures of Hinduism, Buddhism, Confucianism, Daoism, and Shinto. The course satisfies the Humanities Core requirement. This course satisfies the International Exploration requirement.
**Semester Hours** 3.0

### RELG 309 : Judaism- Past and Present

This course surveys Judaism as a religion and civilization from its origins through the modern period. Attention is given to both texts and practices, as students engage in discussions of diversity regarding Jewish identities and lived religious experiences. Attention is also given to the persistent problem of anti-Semitism.
**Semester Hours** 3.0

### RELG 310 : History of Christianity

History, liturgy, and doctrine of the church from approximately 100 C.E. to the present. Includes Augustine, Francis of Assisi, Luther, Calvin, Isabella of Spain, Wesley, and John XXIII.
**Semester Hours** 3.0

### RELG 314 : Islam: Past & Present

This course surveys Islam from its origins through the modern period. Attention is given to both texts and practices, as students engage in discussions of diversity regarding Muslim identities, lived religious experiences, and expressions of power. This course satisfies the Humanities Core requirement.
**Semester Hours** 3.0

### RELG 315 : Christianity: Past & Present

This course surveys Christianity from its origins through the modern period. Attention is given to both texts and practices, as students engage in discussions of diversity regarding Christian identities, lived religious experiences, and expressions of power.
**Semester Hours** 3.0

### RELG 320 : Migration in/and the Bible

This course explores the themes of human movement and migration in the Old and New Testaments and examines the origins and transmission of these textual collections in light of their shared character as products of and responses to the mobile worlds of the ancient Near East and Eastern Mediterranean.
**Semester Hours** 3.0

### RELG 322 : Justice in/and the Bible

This course explores the historical, literary, and ideological elements of justice in the Old Testament. Consideration is given to the origins of morality, the relationship between law and justice, and comparative examinations of various biblical and modern conceptions of justice and moral agency.
**Semester Hours** 3.0

### RELG 323 : Religion on the Move: Migration, Diaspora, & Pilgramage

This course surveys the intersections of mobility and religion with a special focus on historic and contemporary instances of migration, diaspora, and pilgrimage. Students will explore how cultures of mobility inform religious development and how certain types of movement can become institutionalized religious practice. The course also investigates the core question of whether there are unique characteristics to religion in contexts of mobility.
**Semester Hours** 3.0

### RELG 324 : The Bible & the Body

This course offers an interdisciplinary study of the complex relationship between biblical texts and bodies. The central theme of the course is how bodies, specifically those understood as religious, are created through cultures of religious practice and textual embodiment. Areas of focus will include ritual praxis, adornment, clothing, body modification, hallucinogenic and consciousness-enhancing drugs, sex, and choices for medical care.
**Semester Hours** 3.0

### RELG 325 : Between Heaven & Earth: Space & Place in the Bible

This course explores religious place and space in and beyond biblical texts. We begin with a survey of urban and rural landscapes in the biblical corpus that weaves together archaeology, phenomenology of landscape, urban planning, architecture, and philosophies of space to understand the cultures of spatial production and practice that inform the worlds in and around the Bible. Students will investigate the rural/urban and mobile/settled divides present across biblical texts. Special attention will be paid to spatial practice, including gendered aspects of space and spatial negotiation, as well as to relationships between rural/urban religiosities in past/present contexts. Finally, students will examine the ways biblical texts have shaped religious life in fictive and real spaces in later traditions.
**Semester Hours** 3.0

### RELG 336 : Religion and American Public Life

In the face of increasing polarization around issues of religion in the public sphere, what tensions and possibilities impact American political life and the development of public policy? This course will address the role of religion in public life, exploring the ways religion shapes perspectives about public policy issues related to gender, families, sexuality, science, race, immigration, education, and work, among others. Consideration will be given to the impact of religious views on the democratic process and related institutions, including the role of religion in social movements and the implications of the rise of Christian nationalism.
**Semester Hours** 3.0

### RELG 343 : Church and Community Ministries

This course explores the relationship between a variety of Christian institutional forms and the relationship of those institutions to their larger cultures. Particular attention will be paid to the global nature of the church, to its immense diversity, and to its impact on cultures of different times and places.
**Semester Hours** 3.0

### RELG 345 : Psychological Development and Religious Faith

This course investigates the relationship between cognitive, moral, and emotional developmental processes to the formation of religious faith from childhood through older adulthood. Special emphasis is placed on James Fowler's faith development theory, including psychological and theological sources, critiques, and alternative approaches.
**Semester Hours** 3.0

### RELG 350 : Special Topics Seminar

Seminar on selected topic(s). Comprised of intensive study, discussion, and participation in other learning activities.

**Semester Hours** 3.0

### RELG 356 : Women in Judaism, Christianity, and Islam

This course explores women's agency and identity in Jewish, Christian, and Muslim traditions through presentations of women in religious texts and through accounts of the lived experiences of women who are religious practitioners in these traditions. Students will engage in historic and recent discussions around the intersections of religion, gender, sex, power, marriage, and violence in public & private domains of women's lives.
**Semester Hours** 3.0

### RELG 369 : Religion in Appalachia

This course explores the evolution of religion in Appalachia beginning with local indigenous traditions and the later introduction of Western European Christianity into the region. The class will consider unique Appalchian forms of religiosity that have developed over the years, set against the backdrop of the larger American religious tradition.
**Semester Hours** 3.0

### RELG 450 : Senior Seminar

Capstone experience required of all majors in their final year of study. Paired with a RELG 470/471 internship experience or RELG 480 independent student project. For seniors only, except with permission of the department chair.
**Semester Hours** 1.0

### RELG 460 : Independent Study

Advanced directed study in a specific area, under the supervision of a faculty member. Permission of the department chair required.
**Semester Hours** 3.0

### RELG 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Internships will carry either three or six hours credit. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6

### RELG 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Internships will carry either three or six hours credit. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6

### RELG 480 : Senior Project

Individual research project component of the senior seminar, developed in consultation with faculty in the department, requiring the senior religion major to apply acquired analytical and research skills in exploring an appropriate religious studies topic.
**Semester Hours** 2.0

### RELG 490 : Honors Thesis I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status and GPA of 3.5 or higher.

### RELG 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status and GPA of 3.5 or higher.

# Social Science

### SOSS 200 : Introduction Research Methods

Students will be introduced to the basics of social scientific research methods. Topics include exploratory research, hypothesis testing, community based research, program assessment, and quantitative and qualitative methods of gathering and analyzing data.
**Semester Hours** 4.0

### SOSS 301 : Qualitative Research Methods

This course will address the social scientific research process including an examination of research ethics, theory, and research design methods addressed in a qualitative course that includes but is not limited to field methods (e.g. ethnography and participant observation), intensive interviewing, focus groups, and unobtrusive research methods. Three lecture hours and one laboratory hour.
**Semester Hours** 4.0
**Prerequisites**
SOSS 200: Introduction Research Methods

### SOSS 302 : Quantitative Research Methods

Topics in quantitative methods that may include but are not limited to data management, multiple regression, generalized linear models (ex. logistic regression), survey research (including design, implementation, and analysis), principal component analysis, and experimental designs. Three lecture hours and one laboratory hour.
**Semester Hours** 4.0
**Prerequisites**
SOSS 200: Introduction Research Methods
SOSS 301: Qualitative Research Methods
And STAT 161, 162, or 163.

### SOSS 450 : Advanced Project I

Collaborative seminar for students working on senior projects or honors theses. Capstone course for applied data analysis certificate. One to three credit hours.
**Semester Hours** 1.0
-3
**Prerequisites**
SOSS 200, SOSS 301 or 302 and STAT 161, 162, or 163 or instructor permission.

### SOSS 451 : Advanced Projects II

Collaborative seminar for students working on senior projects or honors theses. Capstone course for applied data analysis certificate. One to three credit hours.
**Semester Hours** 1.0
-3
**Prerequisites**
STAT 161, 162, or 163; SOSS 200; SOSS 301 or 302.

# Sociology

### SOCI 101 : Introduction to Sociology

Basic sociological concepts and processes. Social structure, deviance, change, and progress.
**Semester Hours** 3.0

### SOCI 102 : Introduction to Inequality

Introduction to the mechanisms through which inequality operates historically and today. Exploration of similarities and differences between and among forms of oppression and ways in which issues of race, class, gender, and sexuality intersect.
**Semester Hours** 3.0

### SOCI 103 : Introduction to Sociocultural Anthropology

Introduction to the wide variety of human societies and cultures. The basic building blocks of human societies, illustrated by examining western and non-western cultures. Economic structure, society and ecology, kinship and social organization, religion and cosmology, political organization, social inequality and stratification, gender roles, colonialism and exposure to advanced technological societies, and cultural autonomy and cultural survival.
**Semester Hours** 3.0

### SOCI 105 : Introduction to Sociology for Healthcare Professionals

Basic sociological concepts and processes in the healthcare context. It presents significant research and theory in areas such as culture, social structure, socialization, deviance, social stratification and social institutions. This course is designed specifically for future healthcare professions. Note: Students can get credit for SOCI 101 or SOCI 105, but not both.
**Semester Hours** 3.0

### SOCI 221 : Cultures and Peoples

Characteristic cultural features, social organizations, and special problems associated with populations in different areas of the world. Varying focus from year to year, including East Asia, Native Americans, and African Americans.
**Semester Hours** 3.0

### SOCI 222 : Criminology

Introduction to the study of crime, including its definition, measurement, and correlates. Examination of classical and contemporary theories of deviance and crime as well as the social responses to crime and their effects on offenders, victims, and society-at-large. Evaluation of commonly-used sources of crime statistics at the local, state, and federal levels.
**Semester Hours** 3.0

### SOCI 226 : Marriage and Family

Comparative, historical, and contemporary analysis of European and American families. The interplay of economic, social, demographic, and legal forces on family formation, child-rearing, marriage, divorce, separation, fertility, patriarchy, and social definitions of gender in Europe from the Middle Ages to the end of the nineteenth century and in the United States from 1900.
**Semester Hours** 3.0

### SOCI 229 : Social Demography

The study of population, its dynamics and composition, over time and across regions and nations. The role of the economy, disease, war, the state, and social variables such as ethnicity and income in shaping fertility, mortality, marriage, migration, and family formation. Effects of these demographic factors on economic, social, political, and military policy.
**Semester Hours** 3.0

### SOCI 230 : Environmental Sociology

Development of a global sociological perspective on environmental issues and investigation of relationships between various environmental and social problems and the role of political, social, and economic factors in shaping our interaction with the natural world. Examination of key environmental problems may include environment and health, disaster, environmental policy, environmental risk, human and animal interactions, environmental justice, and social movements.
**Semester Hours** 3.0

### SOCI 240 : The Consumer Society

Exploration of the cultural significance of consumption in modern social life. Introduction to works by classic and contemporary sociologists who examine and critique consumer society. Analysis of the role played by modern consumer society in shaping and organizing personal identity. Examination of the social and environmental consequences of consumer society on local, national, and global communities.
**Semester Hours** 3.0

### SOCI 241 : Social Stratification

Examines leading perspectives and theories in the field of social stratification with attention to issues of the distribution of income and wealth both nationally and globally. Other topics covered include class mobility, an exploration of the institutions through which class inequality and mobility are structured and reproduced such as the family, education, and the criminal justice system, and the role of political power in determining the distribution of resources.
**Semester Hours** 3.0
**Prerequisites**
SOCI 101 or 102, or instructor permission.

### SOCI 242 : Gender and Sexuality

Introduction to social theoretical conceptualizations of gender and sexuality. Exploration of structural determinants of major social institutions in shaping gender roles and effects of gender roles on institutions. Exploration of inequalities and social justice issues, including inequalities, associated with sex, gender, and sexuality in the U.S.
**Semester Hours** 3.0
**Prerequisites**
SOCI 101, SOCI 102, or instructor permission.

### SOCI 245 : Social Problems

Examination of pressing social problems and issues facing American society and the world, including crime and violence; work and unemployment; development and human rights; and economic, racial, and gender inequality. Emphasizes the institutional bases of social problems and employs key sociological perspectives to evaluate their causes, consequences, and possible solutions.
**Semester Hours** 3.0

### SOCI 250 : Food and Justice

Examine the contemporary food system by looking at food production, distribution, preparation, and consumption through the lens of food justice. Apply diverse theoretical, applied, and ethical perspectives, including gender, race and ethnicity, social class, economic, environmental, and health to an analysis of the food system. Examine food justice organizations/movements working to create healthy and sustainable food systems, with a particular focus on rural food systems.
**Semester Hours** 3.0

### SOCI 251 : Body in Society

How social theory can be used to understand the connections between individual bodies and society as a whole. Exploration of current issues of the body, including: body image, eating disorders, health/well-being, media coverage, social control, and economic relationships/work. Contextualization of how bodies are related to inequality, including: race, gender/sex, sexuality, disability, and class.
**Semester Hours** 3.0

### SOCI 252 : Sociology of Health

Evaluation of health issues from a sociological perspective, specifically focusing on the ties between social structure and individual/community health. Exploration of social determinants of health and health disparities as well as the healthcare system in the U.S. Engagement with local healthcare providers, policies, and issues.
**Semester Hours** 3.0

### SOCI 270 : Race and Ethnicity

The study of race and ethnicity in defining peoples and cultures; in delineating boundaries of social interaction and discourse; in establishing enduring patterns of interpersonal and institutional discrimination, prejudice, and persecution; and in creating sectional and national conflict. The history of race and ethnicity in the United States and elsewhere, as well as current research on the biological and social bases of race and ethnicity.
**Semester Hours** 3.0
**Prerequisites**
SOCI 101, SOCI 102, or instructor permission.

### SOCI 285 : Research Experience in Sociology

Hands-on research, assisting with faculty research projects.
**Semester Hours** 1.0
-3
**Prerequisites**
Sophomore status and departmental permission.

### SOCI 286 : Research Experience in Sociology II

Hands-on research, assisting with faculty research projects.
**Semester Hours** 1.0
-3
**Prerequisites**
Sophomore status and departmental permission.

### SOCI 287 : Research Experience Research Experience in Sociology III

Hands-on research, assisting with faculty research projects.
**Semester Hours** 1.0
-3
**Prerequisites**
Sophomore status and departmental permission.

### SOCI 288 : Research Experience Research Experience in Sociology IV

Hands-on research, assisting with faculty research projects.
**Semester Hours** 1.0
-3
**Prerequisites**
Sophomore status and departmental permission.

### SOCI 300 : Race, Class, Gender, and Sexuality

How socially-constructed race, class, gender, and sexuality roles influence the lives of women and men in the United States. Similarities and differences between and among forms of oppression and ways in which issues of race, class, gender, and sexuality intersect. Public policies related to these issues. Strategies for coalition-building and redefining differences. Participation in a service project.
**Semester Hours** 3.0
**Prerequisites**
Sophomore status.

### SOCI 305 : Problems, Policy, and People

Examination of the causes and consequences of social problems and issues facing American society, emphasizing the institutional bases of social problems. Development of the necessary skills to analyze and develop related policy approaches grounded in a social justice model.
**Semester Hours** 3.0
**Prerequisites**
Junior status and SOCI 101 or SOCI 102.

### SOCI 334 : Social Theory

Major schools of social science thought with primary emphasis on sociology. Ideas of significant theorists considered with reference to their lives and sociohistorical contexts.
**Semester Hours** 3.0
**Prerequisites**
SOCI 101 or SOCI 102 and junior status.

### SOCI 350 : Special Topics in Sociology

Selected topics chosen by instructors in response to student needs and interests. May be re-taken for credit for different topics.
**Semester Hours** 1.0
-3

### SOCI 445 : Foundations of Education

History and contemporary issues in general and special education. Historical, philosophical, social, political, and cultural factors affecting the nature of schooling, curriculum, and individual education attainment for students with and without disabilities. Legal aspects, regulatory requirements, and expectations associated with identification, education, and evaluation of students with and without disabilities. Virginia Standards of Learning and the organization of schools.
**Semester Hours** 3.0
**Prerequisites**
Junior or senior status or permission of instructor.

### SOCI 450 : Seminar

Selected issues and problems; research implications of the work of representative researchers.
**Semester Hours** 3.0
**Prerequisites**
Junior status and departmental permission.

### SOCI 455 : Seminar in Applied Social Research

Uses of sociology in non-academic settings. Place of theory and methods in evaluation and problem solving. Normally taken in conjunction with an internship experience.
**Semester Hours** 3.0
**Prerequisites**
SOCI 330 and SOCI 334.

### SOCI 460 : Independent Study

Advanced study in a selected area of sociology, under the supervision of a faculty member. Preparation of papers and reports.
**Semester Hours** 1.0
-4
**Prerequisites**
Junior status and departmental permission.

### SOCI 470 : Internship I

Applied research experience jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Junior status, departmental permission, and completion of SOCI 330 and SOCI 334.

### SOCI 471 : Internship II

Applied research experience jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Junior status, departmental permission, and completion of SOCI 330 and SOCI 334.

### SOCI 490 : Honors Thesis

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status and GPA of 3.0 or higher.

### SOCI 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status and GPA of 3.0 or higher.

# Statistics

Statistics courses are offered in support of other areas of study. The major and minor are not offered in this area.

Statistics 161, 162, and 163 overlap greatly in content but differ somewhat in purpose and emphasis. While the three will meet the needs of many students equally well, it is strongly recommended that sociology majors enroll in Statistics 162 and that psychology majors enroll in Statistics 163.

No more than one of these courses (161, 162, 163) may count toward the 120 semester hours for the B.A. or 124 semester hours for the B.S. required to graduate. If a student completes more than one of them, each will remain on the transcript, but only the one in which the student obtained the higher grade will count toward graduation and be included in the GPA.

### STAT 161 : Introduction to Statistics

Descriptive and inferential statistics, probability, and research design with a broad range of applications to various disciplines; statistical software.
**Semester Hours** 4.0

### STAT 162 : Introduction to Statistics for the Social Sciences

Descriptive and inferential statistics, probability, and research design with a broad range of social science applications; statistical software.
**Semester Hours** 4.0

### STAT 163 : Introduction to Statistics for the Behavioral Sciences

Descriptive and inferential statistics, probability, and research design with a broad range of behavioral science applications; statistical software.
**Semester Hours** 4.0

### STAT 353 : Advanced Statistics for Sciences

Advanced topics in statistics, including factor analysis, analysis of covariance, multivariate analysis, logistical and multivariate regression.
**Semester Hours** 3.0
**Prerequisites**
Grade of B or higher in STAT 161, 162, or 163.

### STAT 360 : Probability and Statistics

An introduction to the mathematical theories of probability and statistics, including some topics such as combinatorial methods, conditional probability and independence, discrete and continuous random variables, expectation, simple and multiple regression, analysis of variance, contingency tables, time series, logistic regression, and experimental design.
**Semester Hours** 3.0
**Prerequisites**
MATH 152 and STAT 161 or instructor permission.

# Theatre

The Department of Theatre offers both a major and a minor. In addition, the department offers a cooperative pre-professional program in association with Barter Theatre of Abingdon, Virginia, a professional regional theatre.

There are four specific areas of concentration within the pre-professional program, all of which lead to a B.F.A. degree in theatre.

The department also offers the option of an add-on endorsement for those with teaching licensure or holding an endorsement in another teaching area. Consult the Department of Education for licensure requirements in theatre arts.

### THRE 100 : Introduction to Theatre

Understanding the theatrical experience through study of the various types, styles, and production processes of the theatre; theatre as public art and its relationship to culture.
**Semester Hours** 3.0

### THRE 105 : Introduction to Acting

Study and practice of the fundamentals of acting through improvisation and exploratory exercises; basic principles of stage performance applied to various professions and non-theatre venues; building of strong presentational and communication skills. Recommended for non-majors.
**Semester Hours** 3.0

### THRE 109 : Intro. to Dance Artistry

An introductory survey class of dance as art and cultural practice in our world. This class focuses study on vocabulary, styles, and history of dance, studied through viewings and writing, quizzes, movement studies, and discussion of issues, both current and historical.
**Semester Hours** 3.0

### THRE 110 : Stagecraft

Introduction to the technical aspects of scenery, costumes, lighting, props, and sound production with emphasis on the tools, terminology, techniques, and safety procedures appropriate to each discipline. Practical application through participation in a theatrical production.
**Semester Hours** 3.0

### THRE 111 : Musical Theatre Class-Voice

Study of basic singing technique. Specific emphasis will be placed on vocal aesthetics appropriate for the genre of American Musical Theatre. Musical Theatre students are required to complete THRE 111 before taking MUSP 216.
**Semester Hours** 1.0
**Prerequisites**
Instructor Permission

### THRE 112 : Keyboarding Skills for Actors

Study of basic keyboarding skills to aid the comprehensive musical theatre professional. Special emphasis on real world application for Musical Theatre literature preparation and auditions.
**Semester Hours** 2.0

### THRE 204 : Stage Lighting

Introduction to the technical aspects of stage lighting for theatrical productions with emphasis on the tools, terminology, techniques, creativity and safety procedures appropriate to the discipline. Great attention is paid to the practical application through participation in a theatrical production.
**Semester Hours** 3.0

### THRE 205 : Acting I

Overview of acting styles and methods; development of imagination through improvisation, exercises, and scene work; audition techniques.
**Semester Hours** 3.0
**Prerequisites**
THRE 105 or THRE major or minor.

### THRE 206 : Acting II

Thorough examination and application of Stanislavski's system and its descendants. Scene study and character development for contemporary realistic theatre. Rehearsal technique.
**Semester Hours** 3.0
**Prerequisites**
THRE 205

### THRE 207 : Costume Construction

Introduction to the sewing and technical aspects of costuming and costume construction with emphasis on the tools, terminology, techniques, creativity, fashion and safety procedures appropriate to the discipline with practical application through in class projects and participation in theatrical production.
**Semester Hours** 3.0

### THRE 209 : Drafting & 3D Design for Theatre

An introduction to Computer Aided Drafting & 3D Design principles as they apply to theatre and entertainment design. Students will gain exposure to Vectorworks, Spotlight, and Renderworks. In addition, students will work with Photoshop and other Adobe products to generate virtual designs.
**Semester Hours** 3.0

### THRE 210 : Intro to Design

Introduction to theories of theatrical design and their applications.
**Semester Hours** 3.0

### THRE 211 : Musical Theatre Voice Private

Voice study is designed to give students high-level technical and musical skills, which form the basis for artistic communication with others through teaching and performance. All students studying voice will be expected to demonstrate consistent growth in vocal performance skills. This growth must be evident in the vocal technique, sound, and a consistently rising level of difficulty in repertoire requirements. Fee.
**Semester Hours** 1.0

### THRE 216 : Beginning Ballet

An exploration of ballet dance technique evaluating body alignment and execution of ballet steps. Basic knowledge of ballet history.
**Semester Hours** 1.0

### THRE 217 : Beginning Jazz

An exploration of jazz dance technique evaluating body alignment for jazz dance and execution of jazz steps.
**Semester Hours** 1.0

### THRE 218 : Beginning Tap

An exploration of tap dance technique evaluating rhythmic play, footwork, and terminology, as well as the historical and cultural impact of tap dance.
**Semester Hours** 1.0

### THRE 219 : Beginning Musical Theatre Styles

Overview of a variety of musical theatre dance styles and learning of choreography in the style of production.
**Semester Hours** 1.0

### THRE 233 : Introduction to Drama

Introduction to drama, with a focus on the literary issues specific to drama as a form of narrative; consideration of dramatic genre and theory, and some attention to staging and performance, with an introduction to important playwrights of the tradition. English majors in the creative writing track are encouraged to take this course prior to English 325.
**Semester Hours** 3.0
**Prerequisites**
THRE 101

### THRE 235 : Principles of Singing-Acting

Investigation and application of the fundamental principles of singing - acting. Students learn to make expressive behavioral choices utilizing their voice, face, and body while singing. Song analysis is taught as a tool to identify and produce successful and effective behavioral choice-making that demonstrates specificity, clarity, emotional truth, variety and intensity in performance. Technique is developed through study in exercises and repertoire.
**Semester Hours** 2.0
**Prerequisites**
Pre or corequisite: MUSP 216 or 416.

### THRE 236 : Principles of Singing-Acting II

Advanced investigation and application of singing acting techniques and methodologies. Students refine their ability to make expressive behavioral choices utilizing their voice, face and body while singing through application in scene work and solo singing.
**Semester Hours** 2.0
**Prerequisites**
THRE 235

### THRE 237 : Music Skills for Musical Theatre

Skill training in sight reading, ear training, and music theory, oriented to the needs of the musical theatre performer. Fundamentals of notation, pitches, intervals, rhythms, and simple chords. In-class exercises and drills are supplemented with computer-based instruction.
**Semester Hours** 3.0

### THRE 245 : Voice for the Stage

Advanced study in vocal control; breathing, projection, pronunciation, articulation, dialect, vocal range and pitch; emphasis on speaking classical language; attention to the International Phonetic Alphabet.
**Semester Hours** 3.0

### THRE 270 : Script Analysis

Systems for analyzing scripts which may be employed by directors, actors, and/or designers.
**Semester Hours** 3.0

### THRE 272 : Stage Management

This course develops the skills of effective Stage Management and Theatre Administration. Students will master concepts related to time management, leadership, and organizational skills as applied to production stage management in the professional theatre arena.
**Semester Hours** 3.0

### THRE 282 : Barter Observationship

Direct observation of all aspects of work at the Barter Theatre. Students observe rehearsals of performances, technical and production meetings and/or shop work, and business meetings. Pass/Fail.
**Semester Hours** 1.0

### THRE 300 : Stage Movement

Basic understanding of elements of physicalization for the stage through practical application; exploration of the body as it reflects the inner life; examination of movement theories.
**Semester Hours** 3.0

### THRE 301 : Adv Stage Movement

Organization of movement expression using essence theory of emotion, intentions, gesture, and physical characterization through movement; period movement and dance; unarmed and armed combat.
**Semester Hours** 3.0
**Prerequisites**
THRE 300

### THRE 305 : Acting III

Examination of major historical periods and genres; focus on classical tragedy and comedy, Shakespeare, Moliere, Brecht, and others.
**Semester Hours** 3.0
**Prerequisites**
THRE 206 and 270, or instructor permission

### THRE 306 : Movement in Global

A survey of world dance styles ranging from Western popular dance into world tribal dances. This class focuses on communal and religious dances as well as philosophy of dance and dance theory, studied through viewings, writing, movements studies, discussions of issues and quizzes. This course will culminate in an in-depth paper exploring a specific dance of world and the cultural impact of that dance in the community where it is found.
**Semester Hours** 3.0

### THRE 307 : Dance Repertoire

This course follows the creation and performance of dance choreography from audition through final performance. Enrollment is by audition only. Students cast in the dance repertoire course learn new and previously created works of choreography by dance faculty or guest artists. In addition to developing performance skills, students are introduced to technical theatrical design concepts and are expected to complete pre and post-production assignments. May be repeated for credit.
**Semester Hours** 3.0

### THRE 308 : Dance Composition

An exploration of the art and craft of creating dances. Techniques to nurture the individual creative process are explored, including movement improvisation, visual art imagery, chance procedures, musical influences, poetic imagery, and prop and costume studies. This course culminates in a student's presentation of substantial composition.
**Semester Hours** 3.0

### THRE 309 : Fundamentals of Theatrical Des

Introduction to theories of theatrical design and their applications.
**Semester Hours** 3.0

### THRE 310 : Adv Theatre Design

Selected topics in advanced design and technology with emphasis on contemporary skills and techniques.
**Semester Hours** 3.0
**Prerequisites**
THRE 309

### THRE 311 : Set Design for Theatre

This course builds on the skills acquired in the Fundamentals of Theatricals Design & Computer Aided Drafting & 3D Design for Theatre. Students will explore the set design for theatre in the contextual application through drafting, model building & 3D & Digital rendering.
**Semester Hours** 3.0
**Prerequisites**
THRE 209 and 210

### THRE 312 : Devised Performance

Devised Performance is an approach to performance that emphasizes the collaborative creation of scripts for performance. In this course we will focus on the development of key Devised Performance skills such as collaboration, improvisation, writing, and social and civic engagement in a workshop classroom environment.
**Semester Hours** 3.0

### THRE 314 : Principles of Play Directing

Introduction to and analysis of director's role with emphasis on interpretation, creating stage action, composition, rhythm, picturization, and the coaching of actors.
**Semester Hours** 3.0
**Prerequisites**
THRE 270 or instructor permission.

### THRE 315 : Advanced Directing the Stage

Application of the techniques for directing introduced in 314; includes preparation of a one-act play or excerpt from a full-length play for presentation.
**Semester Hours** 3.0
**Prerequisites**
THRE 314

### THRE 316 : Applied Theatre

An introduction to the practice of theatre methods in non-traditional and non-theatrical settings, often with marginalized or underserved populations. The course will cover Applied Theatre techniques which tackle such diverse topics as public health, education, housing, social welfare, and juvenile and criminal justice.
**Semester Hours** 3.0

### THRE 317 : Intermediate Tap

**Semester Hours** 1.0

### THRE 318 : Intermediate Jazz

**Semester Hours** 1.0

### THRE 319 : Intermediate Musical Theatre Styles

**Semester Hours** 1.0

### THRE 320 : Theatre History I

Survey of world theatre from its origins to the Restoration; emphasis on major periods, typical plays, important personages, and major architectural and production techniques.
**Semester Hours** 3.0

### THRE 321 : Theatre History II

Study of world theatre from the Restoration to the present; emphasis on major periods, typical plays, important personages, and major architectural and production techniques.
**Semester Hours** 3.0

### THRE 322 : American Theatre

Study of American theatre with emphasis on major periods, typical plays, important personages, and major architectural and production techniques.
**Semester Hours** 3.0

### THRE 325 : Introduction to Scriptwriting

Introduction to the major components of scriptwriting; emphasis on dramatic action, character, and dialogue; tools and techniques of scriptwriting; focus on the imagination and creativity of the student through the development of a short script.
**Semester Hours** 3.0

### THRE 335 : Musical Theatre

Survey history of musical theatre; emphasis on the practical application of styles, periods, movement, dance, acting, voice, and interpretation; special emphasis on the American musical.
**Semester Hours** 3.0
**Prerequisites**
One of the following: THRE 105, THRE 205, MUSP 216, MUSP 416, or instructor permission.

### THRE 336 : Musical Theatre History

A comprehensive survey of the history of musical theatre from antiquity to the present day, and assumptions about its future; an emphasis on major periods, important individuals, noteworthy works, and, artistic, cultural, and commercial trends that influenced the art form.
**Semester Hours** 3.0

### THRE 340 : Auditions

Preparation for professional auditions. Strategies, audition techniques, examination of all aspects of acting as a career, and individualized coaching.
**Semester Hours** 1.0
-3

### THRE 350 : Special Topics in Theatre

Topics for advanced study in theatre, chosen by the department in response to needs and interests of students.
**Semester Hours** 4.0
**Prerequisites**
Instructor permission.

### THRE 360 : Shakespeare

Representative comedies, histories, tragedies, and romances from his early, middle, and late periods, studied in the context of cultural and dramatic history and the Elizabethan theatre.
**Semester Hours** 3.0
**Prerequisites**
THRE 101

### THRE 400 : Senior Project

Individually designed program of study developed in consultation with faculty in the department.
**Semester Hours** 2.0
**Prerequisites**
THRE majors or minors in their senior year; departmental permission.

### THRE 401 : Theatre Practicum - Performance

Practical hands-on training in acting, singing, and dancing. Serve as a cast member in a departmental mainstage production. Rehearsal and performance techniques. May be repeated for credit.
**Semester Hours** 0.5
**Prerequisites**
Instructor permission.

### THRE 402 : Theatre Practicum - Shops

Practical hands-on training in Carpentry, electrics, and costume construction for departmental mainstage productions. May be repeated for credit. Pass-Fail only.
**Semester Hours** 0.5

### THRE 403 : Theater Practicum - Run Crews

Practical hands on training in run crew and board operation for departmental mainstage productions. May be repeated for credit. Pass-Fail only.
**Semester Hours** 0.5

### THRE 404 : Theatre Practicum - Leadership

Practical hands-on training in Design, Stage Management or Stage Directing for departmental mainstage productions either as lead or as an assistant. May be repeated for credit.
**Semester Hours** 0.5

### THRE 405 : Acting IV

Advanced scene study, rehearsal technique, characterization, styles, and audition preparation. Special attention is given in this course to making the transition into the professional acting world.
**Semester Hours** 3.0
**Prerequisites**
THRE 206 and 270, or instructor permission.

### THRE 411 : Advanced Voice

**Semester Hours** 1.0

### THRE 415 : The Business of Theatre

Understanding not-for-profit arts organizations and organizational structures; focus on personnel, unions, audience development, fund-raising, artistic mission, volunteer support, and fiscal control.
**Semester Hours** 3.0

### THRE 416 : Advanced Ballet

An intermediate exploration of ballet dance technique evaluating body alignment and greater execution of ballet steps. Wider knowledge of ballet history and ballet repertoire.
**Semester Hours** 1.0

### THRE 417 : Advanced Jazz

An intermediate exploration of jazz dance technique evaluating body alignment for jazz dance and greater execution of jazz steps. Wider knowledge of jazz history and style.
**Semester Hours** 1.0

### THRE 418 : Advanced Tap

An intermediate exploration of tap dance technique evaluating rhythmic play, footwork, and terminology, as well as the historical and cultural impact of tap dance. Wider knowledge of percussive patterns and styles.
**Semester Hours** 1.0

### THRE 419 : Advanced Musical Theatre Styles

Overview of more difficult musical theatre shows and learning of enhanced choreography in style of production. Advance dance scene styles and execution.
**Semester Hours** 1.0

### THRE 460 : Independent Study

Advanced research in a specific area of theatre under the supervision of a faculty member in the department.
**Semester Hours** 3.0
**Prerequisites**
Departmental permission.

### THRE 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours of credit, a student may elect to arrange an internship carrying between two and six hours of credit with the permission of the department. Each hour of credit will require forty hours at the internship site. Pass-Fail only.
**Semester Hours** 2.0
-6
**Prerequisites**
Departmental permission.

### THRE 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Departmental permission.

### THRE 480 : Professional Theatre Experience

Participation in professional workshops, attendance at Barter productions followed by talk-back sessions with Barter professionals, instructional tours, observation of professional rehearsals, and mentoring by Barter professionals. This class is for majors and intended majors only.
**Semester Hours** 1.0

### THRE 482 : Barter Mentorship

This course pairs Emory & Henry students with a designated Barter professional for concentrated study in the theatre as a profession. Students articulate specific learning objectives in consultation with the course instructor. Pass/Fail.
**Semester Hours** 1.0
**Prerequisites**
Instructor permission.

### THRE 490 : Honors Thesis I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### THRE 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

# Women and Gender Studies

### WGST 200 : Intro. to Women and Gender Studies

Introduction to the history, methods, and current issues of Women's Studies. Exploration of material from a variety of disciplines, including literature, political science, psychology, biology, philosophy, sociology, history, and religion. Students may take the course for credit in only one additional department.
**Semester Hours** 3.0

### WGST 201 : Women in Sports

History, evolution, and current role of women in sport from a sociocultural perspective. Social norms in sport and society specific to gender, sexuality, race, and class. Masculinity, femininity, and non-binary cultural ideologies shaped through sport. Involvement of women in sport and physical activity and challenges associated with recognition and legitimacy. Impact of women in shaping a traditionally male domain.
**Semester Hours** 3.0

### WGST 250 : Women and Media

The current and historical relationship of women with media. Women as subject matter, audience, and participants in various media forms.
**Semester Hours** 3.0

### WGST 300 : Race, Class, Gender & Sexuality

How socially-constructed race, class, gender, and sexuality roles influence the lives of women and men in the United States. Similarities and differences between and among forms of oppression and ways in which issues of race, class, gender, and sexuality intersect. Public policies related to these issues. Strategies for coalition-building and redefining differences. Participation in a service project.
**Semester Hours** 3.0
**Prerequisites**
Sophomore status.

### WGST 309 : Studies in U.S. Women's History

Women's history in the U.S. from colonial times to the present with emphasis on the nineteenth and twentieth centuries.
**Semester Hours** 3.0

### WGST 337 : Women and Politics

The political roles, attitudes, and status of women worldwide, including assessments of women's participation, cultural empowerment, and access to resources across diverse case studies and regions of the world. Emphasis on women and political activism, the construction of gender roles for political purposes, and the impact of globalization on women.
**Semester Hours** 3.0

### WGST 350 : Special Topics in Women & Gender Studies

Discussion and study of selected topics in Women's Studies with emphasis on student interests.
**Semester Hours** 3.0
**Prerequisites**
WGST 200

### WGST 356 : Women and Christianity

The lives, writings, and influences of women on Christianity. Attention to the history of thought and the changes in culture and value systems.
**Semester Hours** 3.0

### WGST 460 : Independent Study

Advanced research in an area of the student's particular interest(s) in Women's Studies, under the supervision of a faculty member.
**Semester Hours** 3.0
**Prerequisites**
WGST 200, senior status, and permission of the program advisor.

### WGST 470 : Internship I

Work experience jointly supervised by the program advisor and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 1.0
-6
**Prerequisites**
WGST 200, junior or senior status, permission of program advisor.

### WGST 471 : Internship II

Work experience jointly supervised by the program advisor and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 1.0
-6
**Prerequisites**
WGST 200, junior or senior status, permission of program advisor.

# World Languages

### CHIN 101 : Beginning Chinese I

Introduction to study of pronunciation, communication, and culture of Chinese language regions and countries; introduction to vocabulary and basic grammar structures.
**Semester Hours** 3.0

### CHIN 102 : Beginning Chinese II

Introduction to study of pronunciation, communication, and culture of Chinese language regions and countries; introduction to vocabulary and basic grammar structures.
**Semester Hours** 3.0
**Prerequisites**
CHIN 101

### CHIN 201 : Intermediate Chinese I

Integrated grammar review, diverse selection of readings, and practice in speaking and writing. Class conducted in Chinese language.
**Semester Hours** 3.0
**Prerequisites**
CHIN 102

### CHIN 202 : Intermediate Chinese II

Integrated grammar review, diverse selection of readings, and practice in speaking and writing. Class conducted in Chinese language.
**Semester Hours** 3.0
**Prerequisites**
CHIN 201

### CHIN 330 : Study Abroad Program

Travel and study abroad in a program approved by the department.
**Semester Hours** 3.0
**Prerequisites**
Two semesters of college language study.

### CHIN 331 : Study Abroad Program

Travel and study abroad in a program approved by the department.
**Semester Hours** 3.0
**Prerequisites**
Two semesters of college language study.

### CHIN 350 : Special Topics in Chinese

Advanced grammar, conversation, and writing. Different topics, such as business, civilization, and literature, are offered for further development of reading and writing skills. Class conducted in Chinese language. May be repeated for credit.
**Semester Hours** 3.0
**Prerequisites**
CHIN 201

### FRCH 101 : Beginning French I

Introduction to study of pronunciation, communication, and culture of Francophone people; introduction to vocabulary and basic grammar structures. Three lecture hours and eighty minutes language laboratory. No prerequisite for 101. Passing grade in 101 or result of Language Placement Test is prerequisite to 102.
**Semester Hours** 4.0

### FRCH 102 : Beginning French II

Introduction to study of pronunciation, communication, and culture of francophone people; introduction to vocabulary and basic grammar structures. Three lecture hours and eighty minutes language laboratory.
**Semester Hours** 4.0
**Prerequisites**
FRCH 101 or language placement test.

### FRCH 201 : French Gammar

Intensive review of grammar and vocabulary, based on communicative approach to language learning.
**Semester Hours** 3.0
**Prerequisites**
FRCH 102 or language placement test.

### FRCH 202A : Intermediate Conversation/ Composition

Study of French composition with topics selected from everyday events and readings in French. This course also train students to develop natural patterns of speech through studies of vocabulary and usage of everyday conversation.
**Semester Hours** 3.0
**Prerequisites**
FRCH 201

### FRCH 300 : French Civilization

Introduction to French history, civilization, culture, and fine arts.
**Semester Hours** 3.0
**Prerequisites**
FRCH 201

### FRCH 301A : Issues in France & Francophone Regions

Advanced-level conversation and readings, based on discussion of current social and political issues affecting French-speaking communities in the world.
**Semester Hours** 3.0
**Prerequisites**
FRCH 201

### FRCH 302A : Literature Survey I

Study of French literature from Middle Ages to 18th Century.
**Semester Hours** 3.0
**Prerequisites**
C or higher in FRCH 201, instructor permission.

### FRCH 303A : Literature Survey II

Study of French literature from 19th Century to present.
**Semester Hours** 3.0
**Prerequisites**
C or higher in FRCH 201, or instructor permission.

### FRCH 304A : Literature Survey III

Study of literature of Francophone regions and countries in the world.
**Semester Hours** 3.0
**Prerequisites**
C or higher in FRCH 201, or instructor permission.

### FRCH 305 : Advanced Business French

Provides advanced training in the acquisition and application of business skills from an applied language vantage point.
**Semester Hours** 3.0
**Prerequisites**
FRCH 201 or instructor permission.

### FRCH 330 : Study-Abroad Program

Travel and study abroad in a program approved by the department.
**Semester Hours** 3.0
**Prerequisites**
Two semesters of college language study.

### FRCH 331 : Study-Abroad Program

Travel and study abroad in a program approved by the department.
**Semester Hours** 3.0
**Prerequisites**
Two semesters of college language study.

### FRCH 350 : Special Topics

Discussion and study of selected topics in French language and literature with emphasis on the interests of students.
**Semester Hours** 3.0
**Prerequisites**
Two years of language study or instructor permission.

### FRCH 402 : Advanced Conversation Gramm & Comp

Designed to increase facility in using French.
**Semester Hours** 3.0
**Prerequisites**
Junior status and C or higher in FRCH 201, or instructor permission.

### FRCH 450 : French Senior Seminar

Completion of a project in which the student demonstrates his or her command of written and spoken French. Project must include aspect(s) of French and/or Francophone cultures and will be undertaken in consultation with the department.
**Semester Hours** 3.0

### FRCH 460 : Independent Study

Advanced directed study in a specific area.
**Semester Hours** 4.0
**Prerequisites**
Junior or senior status; departmental permission.

### FRCH 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Junior or senior status, departmental permission, and completion of appropriate coursework.

### FRCH 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 2.0
-6
**Prerequisites**
Junior or senior status, departmental permission, and completion of appropriate coursework.

### FRCH 480 : Senior Project in French

Increase students' knowledge of a Francophone country or region in their particular field of interest.
**Semester Hours** 3.0
**Prerequisites**
French Language major with senior status or departmental permission.

### FRCH 490 : Honors Thesis I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0, or higher.

### FRCH 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0, or higher.

### GREK 101 : Beginning Greek I

Basic Koiné Greek grammar and vocabulary, and translation from the New Testament.
**Semester Hours** 3.0

### GREK 102 : Beginning Greek II

Basic Koiné Greek grammar and vocabulary, and translation from the New Testament.
**Semester Hours** 3.0
**Prerequisites**
GREK 101

### GREK 205 : The Gospels

Translation of selected passages from New Testament gospels, developing vocabulary, grammar, and interpretive ability.
**Semester Hours** 3.0
**Prerequisites**
GREK 102

### GREK 301 : Letters of Paul

Translation and interpretation of representative passages from Paul's writings.
**Semester Hours** 3.0
**Prerequisites**
GREK 102

### GREK 350 : Special Topics

Discussion and study of selected topics in Greek language and literature with emphasis on the interests of students.
**Semester Hours** 3.0
**Prerequisites**
Two years of language study or instructor permission.

### GREK 433 : Paul

Exploration of Paul's life, writings, and influence on the Christian Church.
**Semester Hours** 3.0
**Prerequisites**
Instructor permission

### GRMN 101 : Beginning German I

Oral and written drill and mastery of minimum vocabulary.
**Semester Hours** 3.0

### GRMN 102 : Beginning German II

Oral and written drill and mastery of minimum vocabulary.
**Semester Hours** 3.0
**Prerequisites**
GRMN 101

### GRMN 201 : Intermediate German

Selected readings and review of grammar and vocabulary.
**Semester Hours** 3.0
**Prerequisites**
GRMN 102 or language placement test.

### GRMN 202 : German Prose II

Selected readings and review of grammar and vocabulary.
**Semester Hours** 3.0
**Prerequisites**
FRCH 202 or language placement test.

### GRMN 350 : Special Topics

Discussion and study of selected topics in German language and literature with emphasis on the interests of students.
**Semester Hours** 3.0
**Prerequisites**
Two years of language study or instructor permission.

### LANG 101 : Beginning Language I

Introduction to study of pronunciation, communication, and culture of target language regions and countries; introduction to vocabulary and basic grammar structures.
**Semester Hours** 3.0

### LANG 102 : Beginning Language II

Introduction to study of pronunciation, communication, and culture of target language regions and countries; introduction to vocabulary and basic grammar structures.
**Semester Hours** 3.0
**Prerequisites**
Passing grade in LANG 101 or Language Placement Test.

### LANG 201 : Intermediate Language I

Integrated grammar review, diverse selection of readings, and practice in speaking and writing. Class conducted in the language taught.
**Semester Hours** 3.0
**Prerequisites**
LANG 102

### LANG 202 : Intermediate Language II

Integrated grammar review, diverse selection of readings, and practice in speaking and writing. Class conducted in the language taught.
**Semester Hours** 3.0
**Prerequisites**
LANG 102

### LANG 203 : Conversation

Training to develop natural patterns of speech. Vocabulary and usage of everyday conversation.
**Semester Hours** 3.0
**Prerequisites**
LANG 102

### LANG 300 : Conversation

**Semester Hours** 3.0

### LANG 350 : Advanced Language

Advanced grammar, conversation, and writing. Different topics, such as business, civilization, and literature, offered for further development of reading and writing skills. Class conducted in the language taught. May be repeated for credit.
**Semester Hours** 3.0
**Prerequisites**
LANG 201

### LANG 402 : Advanced Composition

Designed to increase facility in using the language.
**Semester Hours** 3.0
**Prerequisites**
Junior status and at least one 300-level course in the respective language.

### LANG 460 : Independent Study

Independent research under faculty supervision.
**Semester Hours** 3.0
-4
**Prerequisites**
Senior status or instructor permission; permission of program director.

### LATN 101 : Beginning Latin I

Introduction to study of pronunciation, communication, and reading of Latin Language; introduction to vocabulary and basic grammar structures.
**Semester Hours** 3.0

### LATN 102 : Beginning Latin II

Introduction to study of pronunciation, communication, and reading of Latin Language; introduction to vocabulary and basic grammar structures.
**Semester Hours** 3.0
**Prerequisites**
Passing grade in LATN 101 or Language Placement Test.

### LATN 201 : Intermediate Latin I

Integrated grammar review, diverse selection of reading, and practice in speaking and writing. Class conducted in Latin language.
**Semester Hours** 3.0
**Prerequisites**
LATN 102

### LATN 202 : Intermediate Latin II

Integrated grammar review, diverse selection of reading, and practice in speaking and writing. Class conducted in Latin language.
**Semester Hours** 3.0
**Prerequisites**
LATN 201

### LATN 330 : Study Abroad Program

Travel and study abroad in a program approved by the department.
**Semester Hours** 3.0
**Prerequisites**
Two semesters of college language study.

### LATN 331 : Study Abroad Program

Travel and study abroad in a program approved by the department.
**Semester Hours** 3.0
**Prerequisites**
Two semesters of college language study.

### LATN 350 : Special Topic

Advanced grammar, conversation, and writing. Different topics, such as business, civilization, and literature, offered for further development of reading and writing skills. Class conducted in Latin language. May be repeated for credit.
**Semester Hours** 1.0
-3
**Prerequisites**
LATN 201

### PORT 101 : Portuguese 101

Introduction to study of pronunciation, communication, and culture of Portuguese-speaking people; introduction to vocabulary and basic grammar structures. Three lecture hours and eighty minutes language laboratory.

**Semester Hours** 4.0

### PORT 102 : Portuguese 102

Introduction to study of pronunciation, communication, and culture of Portuguese-speaking people; introduction to vocabulary and basic grammar structures. Three lecture hours and eighty-minute laboratory.
**Semester Hours** 4.0
**Prerequisites**
PORT 101

### SPAN 101 : Beginning Spanish I

Introduction to study of pronunciation, communication, and culture of Spanish-speaking people; introduction to vocabulary and basic grammar structures. Three lecture hours and eighty minutes language laboratory.
**Semester Hours** 4.0

### SPAN 102 : Beginning Spanish II

Introduction to study of pronunciation, communication, and culture of Spanish-speaking people; introduction to vocabulary and basic grammar structures. Three lecture hours and eighty minutes language laboratory.
**Semester Hours** 4.0
**Prerequisites**
Passing grade in SPAN 101 or Language Placement Test.

### SPAN 105 : Medical & Healthcare Spanish I

An introductory study of Spanish related to health professions and focused on medical terminology, basic grammar, and cross-cultural competence. Students will gain familiarity with basic written and oral expressions to better serve the growing population of Spanish-speaking patients and personnel in a variety of settings. Completion of both SPAN 105 and SPAN 106 satisfies the two-semester language requirement. These courses are designed for beginning Spanish students only.
**Semester Hours** 4.0

### SPAN 106 : Medical & Healthcare Spanish II

An introductory study of Spanish related to health processions and focused on medical terminology, basic grammar, and cross-cultural competence. Students will gain familiarity with basic written and oral expressions to better serve the growing population of Spanish-speaking patients and personnel in a variety of settings. Completion of both SPAN 105 and SPAN 106 satisfies the two-semester language requirement. These courses are designed for beginning Spanish students only.
**Semester Hours** 4.0
**Prerequisites**
SPAN 105

### SPAN 201 : Intermediate Spanish I

Continuation of study of pronunciation, grammar, and communication in everyday situations, with emphasis on reading and writing.
**Semester Hours** 3.0
**Prerequisites**
SPAN 102 or Language Placement Test.

### SPAN 202A : Communication in the Hispanic World

Spanish 202A is an intermediate course, and it is designed to train students in written and oral skills in culture and civilization of the Hispanic world. This is a required course for Hispanic Studies majors and minors.
**Semester Hours** 3.0
**Prerequisites**
SPAN 201 or instructor permission.

### SPAN 203A : Spanish for Professionals

This is a course designed for intermediate level Spanish students who wish to broaden their vocabulary skills in different areas, such as Medical Care, Business, Civic Engagement, Social Justice, etc.
**Semester Hours** 3.0
**Prerequisites**
SPAN 202A or instructor permission.

### SPAN 301 : Advanced Grammar & Expressions of Culture

Advanced study enabling students to fine-tune points of grammar and communicative skills. Through compositions and presentations in class we will analyse artifacts that represents Culture and Civilization in the Hispanic World.
**Semester Hours** 3.0
**Prerequisites**
SPAN 202A or instructor permission.

### SPAN 302A : Intro to Hispanic Literature & Film

This course focuses on the critical reading and interpretation of visual and written texts from the Hispanic world. We will analyze a variety of genres, periods, and styles from Latin America, Spain, and the United States.
**Semester Hours** 3.0
**Prerequisites**
SPAN 301 or instructor permission.

### SPAN 305 : Advanced Business Spanish

Provides advanced training in the acquisition and application of business skills from an applied language vantage point.
**Semester Hours** 3.0
**Prerequisites**
SPAN 201 or instructor permission.

### SPAN 310 : Spanish Service Practicum

Community service in Spanish translation, tutoring, and after-school programs. One lecture hour and four hours of on-site service.
**Semester Hours** 3.0
**Prerequisites**
SPAN 201 and instructor permission.

### SPAN 330 : Study Abroad Program

Travel and study abroad in a program approved by the department.
**Semester Hours** 3.0
**Prerequisites**
Two semesters of college language study.

### SPAN 331 : Study Abroad Program

Travel and study abroad in a program approved by the department.
**Semester Hours** 3.0
**Prerequisites**
Two semesters of college language study.

### SPAN 350 : Special Topics

Discussion and study of selected topics in Spanish language and literature with emphasis on the interests of students.
**Semester Hours** 3.0
**Prerequisites**
Two years of language study or instructor permission.

### SPAN 401ST : Special Topics

Possible titles for this course: Humor and Horror in Hispanic Arts; Literary routes in Hispanic Regions; Visions of Nature and Modernity in Hispanic traditions; Traveling Latin-America; Leaving the country, Living in the City; Hispanic Women Writers.
**Semester Hours** 3.0

### SPAN 402ST : Special Topics

Possible titles for this course: Love & Violence in Hispanic Artifacts; Don Quixote and His Bastard Family (Literature and Film); War & Ghost in Contemporary Hispanic Fiction; Diaspora and Identity. A Hispanic Glance; Trans-Atlantic Approaches to Hispanic Studies; Crimes and Confessions in Hispanic Fiction.
**Semester Hours** 3.0

### SPAN 407 : Teacher Preparation

This course will prepare students in the Teacher Preparation track. The course includes pedagogy related to the skills necessary to teach a foreign language.
**Semester Hours** 3.0
**Prerequisites**
SPAN 302A or instructor permission.

### SPAN 450 : Senior Seminar

Completion of a project in which the student demonstrates his or her command of written and spoken Spanish. Project must include aspect(s) of Spanish and/or Latin American culture and will be undertaken in consultation with the department.
**Semester Hours** 3.0

### SPAN 460 : Independent Study

Completion of a project in which the student demonstrates his or her command of written and spoken Spanish. Project must include aspect(s) of Spanish and/or Latin American culture and will be undertaken in consultation with the department.
**Semester Hours** 3.0

### SPAN 470 : Internship I

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0
**Prerequisites**
Junior or senior status, Departmental permission, and completion of appropriate coursework.

### SPAN 471 : Internship II

Work experience related to the student's major, jointly supervised by the department and a professional in the field. Although the usual internship will carry either three or six hours credit, a student may elect to arrange an internship carrying between two and six hours credit with the permission of the department. Each hour of credit will require forty hours at the internship site.
**Semester Hours** 6.0
**Prerequisites**
Junior or senior status, Departmental permission, and completion of appropriate coursework.

### SPAN 480 : Senior Project in Spanish

Increase students' knowledge of a Spanish-speaking country or region in their particular field of interest.
**Semester Hours** 3.0
**Prerequisites**
Spanish Language major with senior status or departmental permission.

### SPAN 490 : Honors Thesis I

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.

### SPAN 491 : Honors Thesis II

Independent research in a special topic for honors.
**Semester Hours** 3.0
**Prerequisites**
Senior status, GPA of 3.0 or higher.