

A grayscale photograph of a classroom. In the foreground, a person is seen from the side, holding a book. In the background, several students are seated at desks, some looking towards the camera and others looking away. The text "2020-21 CATALOG" is centered over the image.

2020-21 CATALOG

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2020-21 Academic Catalog

The College

The oldest institution of higher learning in Southwest Virginia, Emory & Henry is a coeducational, church-related liberal arts college that began in Emory, Virginia. Today, in addition to undergraduate and masters level programs housed on its original campus, the college 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 college name is derived from two persons. John Emory was an eminent Methodist bishop of the era when the college 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 college: 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 College 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 college 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.

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 college’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 college community are proud of its past and excited about the future.

Accreditation and Memberships

Emory & Henry College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award Bachelor’s, Master’s and Doctoral level degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, telephone 404-679-4500, or <http://www.sacscoc.org> for questions about the accreditation of Emory & Henry College. It is also accredited by the University Senate of The United Methodist Church. The Teacher Preparation programs are accredited under the approved approach of the Commonwealth of Virginia.

Emory & Henry holds institutional membership in the Association of American Colleges and Universities, the American Council on Education, the National Association of Schools and Colleges of The United Methodist Church, the Appalachian College Association, the Council of Independent Colleges in Virginia, the Virginia Foundation for Independent Colleges, and the National Collegiate Athletic Association (Division III).

Departments and Divisions of the College

Emory & Henry has twenty-seven academic departments and programs which are the primary academic units of the college. The departments are grouped into five academic divisions (Humanities, Visual & Performing Arts, Natural Sciences, Social Sciences, and Education) and one academic school (Health Sciences). 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, Foreign Languages, Philosophy, Religion.

Social Science Division: Business Administration, Civic Innovation, Economics, Geography & Earth & Environmental Sciences, History, Mass Communications, Political Science, Sociology.

Natural Science Division: Biology, Chemistry, Equine Studies, Mathematics, Physics, Psychology.

Visual & Performing Arts Division: Art, Music, Theatre.

School of Health Sciences: Athletic Training, Exercise Science, Occupational Therapy, Physical Therapy, Physician Assistant Studies.

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 college 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 college'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 the changing needs of students and the demands of society. Today, the college'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 late August to December 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.

Academic Policies

For academic policies that apply specifically to students in the graduate programs, see the appropriate sections contained under the School of Health Sciences and the Graduate Programs - Main Campus headings of the catalog.

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 college 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 College 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 questioning 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 Requirements

The Core Curriculum at Emory & Henry College is built around a series 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 College, provides a wide breadth of experiences in the disciplines, promoting development of the perspectives, approaches to learning, connections, skills and qualities that result from study and integration of the liberal arts. Through the Core Curriculum, Emory & Henry students will develop an appreciation to:

- Explore the liberal arts - Students explore an interdisciplinary curriculum rooted in a core sequence that facilitates a meaningful and unified developmental student experience.
- Care for themselves and others at the local and global levels - Students develop a disposition of care toward themselves and others to become culturally competent citizens.
- Understand societies and the natural world - Students understand by thinking critically and empirically about themselves, others, and the natural world.
- Create and share artistic works and scholarship - Students create and share projects that contribute to the advancement of knowledge and broader societal discussion.

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 college-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, including the proficiency requirements, core courses, and Modes of Inquiry listed above.
- 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 college 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. Exceptions must be approved by the Provost.
- Payment of all college 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 proficiency requirement, an international exploration 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 proficiencies. Students may return to the college 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 college. 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 College 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 College. 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 School

Summer school is offered each year, with a variety of courses. 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 summer school 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.

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 college, 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 college constitutes student permission to distribute information to advisors and college 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 college 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 Student Financial Planning

General financial records (including student accounts) - Vice President for Business and Finance

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, located in Wiley 101. 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.)

The college 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), and a Bachelor of Science (B.S.) 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 Athletic Training and Business Administration departments. The B.S. degree requires 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 college 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. A student may fulfill one Mode requirement in the department of the student's primary major prefix. The Modes of Inquiry courses may apply to a contextual and support area, or a second major.

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 college 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

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 success 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.

Foreign 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 foreign 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 college. 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 Disability Support Services in the Powell Resource Center before initiating a substitution request. Procedures for registering with Disability Support Services and for requesting foreign language substitutions are available in the Powell Resource Center. Students interested in these procedures begin by making an appointment with the Director of Disability Support Services. Religion. Each student completes a religion course to explore the roots, teachings and contemporary understandings of the Christian faith or a variety of religious beliefs and practices and the importance of religion in the lives of people all over the world.

Global Citizenship. Each student will engage in a Study Abroad experience or take a second CORE 300 course.

Think, Understand & 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.

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 college 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.

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 in each departmental headnote 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.

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

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

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 Dr. J.P. Barfield, 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 college 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 college 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 college 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 in the local church 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 may be valuable preparation.

Special Study Opportunities

The college 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 as adding 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 college 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 International 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 College and the housing costs to the university abroad. There is no study abroad fee for exchanges.

Emory & Henry College 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 College, 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 College) 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 College 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 College 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 College 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 GP A. 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 Program is a unique opportunity for students seeking a learning experience that goes well beyond the classroom. Students in the Program earn college credit while attempting a thru-hike or section of the Appalachian Trail. The experience offers the student a synthesis of academic learning and outdoor adventure in an intensive, goal-oriented journey that will challenge them both physically and intellectually, immersing students in real-world competencies.

During the semester of travel, students are required to take English 328, Nature Writing, a three-credit course, and the student typically enrolls in twelve semester hours of coursework, though twelve hours of coursework are not required. Students will work with the Director of Semester-A-Trail to construct a schedule and select courses that are conducive to the experience. The Semester-A-Trail Program offers students the opportunity to build independent studies and projects with broadened field-based implications. Student hikers have developed imaginative projects across the curriculum in ecotourism, human physiology, water quality, wellness, and photography.

The student considering the experience should consult Jim Harrison, Director of Outdoor Programs.

Candidates for Semester-A-Trail will be required to submit an application and backcountry resume. Additionally, candidates will be required to:

- Attend the two-day Semester-A-Trail orientation in October prior to the spring of departure.
- Hold a current Wilderness First Aid and CPR certificate by date of departure. Certificates must remain current during travel.
- Complete HHP 164 Hiking/Backpacking with a grade of B or higher or demonstrate equivalent.
- Successfully complete at least three Outdoor Program backpacking trips or have a backcountry resume that demonstrates equivalent experience/contextual support.*
- Hold a minimum cumulative GPA of 2.5.
- Complete a four year advising plan (for E&H students).
- Submit a comprehensive trip plan, including but not limited to a budget, risk management plan, and logistics (resupply/support plan, gear list, etc.)
- Have required gear, including functioning GPS locator/communication device prior to departure.

Special Admits: Students attending other colleges may participate in the Emory & Henry Semester-A-Trail Program. This special category of student must meet all requirements in order to be considered a candidate for the Semester-A-Trail. The student applies to Emory & Henry as a non-degree-seeking student but continues to be a full-time student (or otherwise) at their home institution. The student's home institution initiates a consortium agreement with Emory & Henry to indicate that the institution will accept our transcript toward its degree-seeking student's record. It is the student's responsibility to solicit advanced approval from the home institution so that coursework from Emory & Henry College will be accepted in transfer. Students will be awarded financial aid through their school and will pay Emory & Henry directly.

The Semester-A-Trail entails specific fee structures and includes costs beyond those involved in on-campus study. As a general rule, the student should expect to incur the costs associated with outfitting or gearing up for the trip and for travel (for example, to and from the terminuses of the Appalachian Trail).

During the spring semester of travel, the student will reside on campus to complete coursework and final trip preparations until the departure goal of March 1.

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. Administered by Career Services in the Ampersand 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 the semester before the intended internship semester to obtain the required documentation for registering their internship with the College. Enrollment will be approved subject to the availability of a faculty member who can provide close supervision of the internship experience, and subject to 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 college'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 Centralized Student Assistance 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 college motto, "Increase in Excellence," recruits students who want an academic experience even more challenging than the traditional Emory & Henry College 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 College 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 GP A, 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 College 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 GP A, 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 GP A 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 by 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 college'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 college 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.

Capstone Experience

The fourth-year Capstone ties together the skills, methods, and knowledge learned through the three CORE experiences, electives, and classes in the major. It provides an opportunity for professional practice within a student's major field, and a chance for students to share their knowledge with the wider community. The nature of the Capstone experience varies by discipline and is defined by the student's home department.

The Capstone provides a scholarly and/or professional experience in the major. As the second "bookend" experience, students create a final product and/or share their knowledge with the wider community. Such experiences could include:

- Senior seminars, undergraduate research projects, a final artistic creation/performance/show, among others TBD.
- Internships, student-teaching, and civic engagement projects. Allow flexibility on what constitutes an internship with some common standards; some internships could be on campus (HHP interns with the athletic department, for instance) and some could be during the summer.
- Capstones also:
 - Engage students with ethical considerations and best practices for the profession.
 - Ask students to reflect on (1) what they want to contribute to their field and the world, and (2) how their liberal arts education prepared them for success.

*Note: Lists of classes for CORE 100, CORE 200, CORE 300, Religion, Natural Sciences, Social Sciences, Humanities and Creative Arts requirements to be developed by work groups (CORE) and departments.

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 college. A faculty or staff member is chosen each year for the Earnest and Elizabeth Maiden Award, given for outstanding professional contributions to the college.

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 college 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 college 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 college'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.

College Policies

General Policies

Civil Regulations

Students are expected to abide by federal, state, and local laws. In instances in which E&H students violate civil regulations, and the institution's interest as an academic community is clearly involved, the College retains the right to take appropriate disciplinary action regardless of (or in addition to) prosecution by civil authorities. See Student Conduct Code for further amplification.

College Identification Cards

Every student, upon registration, receives their College identification card. The E&H ID card serves many purposes. It can be used as your College identification; it can be used as a debit card on campus if you deposit funds into your student account; and, if you live in a building that has card access, it serves as your entrance card. It is required to borrow materials from the library and serves as an admission ticket to all intercollegiate athletic events, cultural programs, and other specified College sponsored activities. Boarding students must present the ID card for admission to the cafeteria serving area. The ID card is required for cashing checks in the Centralized Student Assistance Office. Intentional misrepresentation or misuse of the ID card is considered a violation of College policy. Failure to present the ID card when requested by a campus security officer or other College official is a violation of College regulations. Replacement cost of an ID is \$50.00; replacement cards are available in the Campus Police/ Security Office, located in the Eco House on Oxford Avenue.

Damage to College Property

When a student is responsible for damage to College property, the cost of repair (including labor costs) must be paid to the Centralized Student Assistance Office to clear the student's account. Damage to common areas of residence halls, not attributed to an individual or responsible group, will be divided among residents of the facility at the end of each semester. As a member of the community, students should report any damage or vandalism they observe to Campus Police/Security or a Student Life staff member.

Drones on Campus

The use of drones (also referred to as UAVs - Unmanned Aerial Vehicles) on or above College property is only allowed with written permission from the Dean of Students Office. Advanced permission may be requested; however, priority is given to the College's Office of Public Relations. Requests must include the date, time, and purpose of the use of the drone. Anyone making this request must accept full responsibility for any damages and/or injuries that occur from the use of the drone, must show proof of insurance, and must agree to comply with all FAA regulations regarding the operation of drones (<http://www.faa.gov/uas>). As a general standard, drones are not allowed to fly over outside events or athletic and/or recreational activities, nor are they allowed to hover at residence hall windows.

Food Service Policies

College policy requires that all resident students participate in the College Meal Plan. Students with special dietary needs should consult the food service director, who will make every effort to satisfy specialized, individual diet requirements. Exemption from the policy will be considered only with the presentation of a well-documented physician's report clearly indicating the illness and prescribed diet. This documentation must demonstrate that the student's special diet cannot be met by our food service. The report must also clearly state that the physician recommends that the student be released from the prospect of availability of three nutritious and regularly scheduled meals per day.

Boarding students who register for off-campus internships, whether part-time or full-time, are expected to continue on the College meal plan. If the hours of the internship cause that student to miss meals on a regular basis, they may consult with the Dean of Students and the food service director to arrange for carry-out meals or vouchers for use in The Hut. Students without an ID will need to pay at the door or obtain their ID card in order to access the cafeteria. Admission to the cafeteria is by College ID or meal payment at the door. Non-resident students may purchase the Commuter Meal Plan or Flex only plans. Both non-resident and boarding students may add to the account in increments of \$25. Sick trays are available and can be requested. The general manager may prohibit uncooperative students from using the cafeteria and will refer them to the Dean of Students Office. Anyone with questions about the meal plan can contact the general manager or the Dean of Students Office in Wiley 121.

Inclusive Language

Emory & Henry College expects the members of its community to use inclusive language in all College publications, in the conduct of College business, in the classroom, and in all academic communications.

Lost and Found

The "lost and found" headquarters for the campus are in the Dean of Students Office, the front desk in Martin Brock Student Center, and the Campus Security Office.

Payments

The student account statement for each semester will be based on the pre-registered courses selected, the particular meal plan chosen, the particular dorm room assigned, and other miscellaneous items, such as having an automobile on campus. All billing statements must be viewed online. Students (and others, if permission is granted by the student) may view their student account online at any time utilizing their assigned ID and password. All students are responsible for maintaining their student account online to ensure that the accounts stay up-to-date at all times.

Payment for the fall term is due in full by August 1, 2020 and payment for the spring term is due in full by January 1, 2021. By these dates, payment in full is required (payments may be made online through Student Portal or by mail) or enrollment in the Nelnet payment plan is required to cover the amount due (there are options for 6, 5 or 4 payments for each term, depending on the date of enrollment).

Emory & Henry College will drop classes if payment arrangements are not completed satisfactorily by August 1, 2020 and January 1, 2021, respectively. If enrollment in the payment plan is completed and payments are returned for any reason, and the amount due is not paid within 30 days of the due date, classes will be dropped, enrollment in the payment plan will be terminated, and any remaining balance due on the student account will be due in full to Emory & Henry College immediately.

The account statement may change if changes are made to class registration, the meal plan, the dorm, or other miscellaneous items.

Any student whose account is not current will be ineligible to participate in preregistration or room draw. Any student whose account is not fully settled by the conclusion of a semester will be ineligible to obtain (or maintain, if pre-registered) a class schedule for the subsequent semester. A transcript and/or diploma will not be issued to any student whose account is not settled. Also, any senior student whose account is not settled may be prohibited from participating in commencement activities. Should a period of 90 days pass without any activity on an account with an unpaid balance, then the college may refer the account to a collection agency. The student will be responsible for the fees of any collection agency, which may be based on a percentage at a maximum of 33.333% of the debt, and all costs and expenses, including reasonable attorney's fees, the college incurs in such collection efforts. A delinquent account may be reported to major credit bureaus for nonpayment. Failure to comply with the payment obligation will result in the application of a FINANCE CHARGE to the unpaid account balance. The FINANCE CHARGE will be applied at the monthly periodic rate of 1% (ANNUAL PERCENTAGE RATE OF 12%).

Refunds in the Event of Withdrawal from the College

The college 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 college for disciplinary reasons. Likewise, students who withdraw from the college, 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 college 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 College 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
After the fourth week of class	No adjustments are made to tuition or meals

During Summer Session

During the first week of session	75% adjustment to tuition
After first week of summer session	No adjustment to tuition

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 college. In such case, the entire balance is due to the college 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 college 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.

Perkins Loans Exit Interviews

Students receiving Perkins Loans while at Emory & Henry must complete an exit interview at mycampusloan.com upon leaving the college, in accordance with federal regulations. All students will be notified by email with appropriate information regarding the interview process. All students who fail to complete the interview will be ineligible to receive transcripts and/or diplomas. <https://heartland.ecsi.net/>

Photography/Videography Publication Policy

Upon their physical appearance at Emory & Henry campuses and events, visitors as well as students and employees of the College agree to release the rights for photography and videography of their image to be used by Emory & Henry College for the purpose of promotion of the College.

Posting Signs and Flyers on Campus

Bulletin boards are provided in appropriate places so that all campus groups may have an opportunity to post announcements. Fire and safety regulations prohibit the posting of signs on doors or adjacent to any entrance or exit. All posters are to be dated and then removed by the day following the event advertised. Non-campus groups/businesses must submit requests for posting information on campus to the Student Life Office in Martin-Brock.

Recording on Campus

Students are expected to respect the reasonable expectations of privacy of other individuals within the College community. Accordingly, students are not permitted to make or attempt to make an audio or video recording of private, non-public conversations and/or meetings on College premises, without the knowledge and consent of all participants subject to such recordings. In such circumstances the uses of undisclosed hidden recording devices is prohibited, as is the transmission and/or distribution of any such recordings. This provision does not extend to the recording of public events or discussions, or to recordings made for law enforcement purposes. Audio recording lectures is permissible as an approved accommodation for a person with a documented disability.

Scheduling Activities & Social Functions

Planning and scheduling of activities and social functions should be planned well in advance. Proposed social functions must be approved by the Dean of Students and properly scheduled on the official College calendar. The following steps are necessary in scheduling functions:

1. Select a tentative date on the campus calendar in the Office of the Dean of Students.
2. Confirm availability of facility being used.
3. Confirm calendar date with the Dean of Students Office.
4. Plan accordingly with advisor(s): set-up, security, and other event needs.
5. Make arrangements for clean-up and follow-up required after the event.

Scheduling Events on the College Calendar

Every campus event should be scheduled through the Dean of Students Office. Activities are divided into the following categories and placed on the calendar accordingly:

1. **College-wide activities**, during which no other meetings will be scheduled. These include: College-wide convocations, Sunday worship services, designated Lyceum events, major Emory Activities Board events, and special annual or biennial events such as the Literary Festival, and the Bays Blackwell, Staley, Reynolds and Leidig Lectures.
2. **Limited groups**, during which other activities may be scheduled. These include: fraternity and sorority meetings or functions, club meetings, intramurals, entertainment, movies, and off-campus or repeat Lyceum events.
3. **Multiple-sequence events**, during which other activities may be scheduled. These include plays, films and art exhibits.
4. The Dean of Students has the power of decision in cases of conflict of interest or for categorization of activities not specifically listed above. The faculty has agreed to avoid scheduling academic events during College-wide activities. No student conduct hearings, social or athletic events are to be scheduled during review day or final exam week.

Selling or Soliciting

Residence hall rooms may not be used for business purposes of any nature. Unauthorized selling, collecting of money, and promotion on campus or within any college building is not permitted. Students may not act as agents for business firms that entail solicitations or the receiving of business offers or goods on college property. Any College organization engaged in a money-making project on campus must clear the project with the Dean of Students. College organizations soliciting funds or advertisements from persons or businesses off campus may do so only with approval from the Office of Institutional Advancement.

No person or group may sell on College property without displaying a letter of permission from the Dean of Students. Door-to-door soliciting or selling in the residence halls is prohibited. If such activity is observed, please contact a staff member as soon as possible.

Service and Emotional Support Animals: On Campus Guidelines

Service Animal

A service animal is defined as any dog that is individually trained to do work, provide assistance, or perform tasks for the benefit of an individual with a disability. Trained dogs are the only species of animal that may qualify as service animals under the Americans with Disabilities Act (ADA). There is a separate provision regarding miniature horses. Examples of tasks performed by service animals might include: guiding people who are blind, alerting people who are deaf, alerting or protecting a person who is having a seizure, providing non-violent protection or rescue work, retrieving items such as medicine or a telephone, preventing or interrupting impulsive or destructive behaviors of persons with psychiatric or neurological disabilities, preventing or diminishing the impact of an anxiety attack for someone with PTSD, or performing other duties which are directly related to the owner's disability. A dog which has been trained to perform such tasks related to its owner's disability meets the definition of service animal, regardless of any certification or documentation of training or lack of such certification. The crime deterrent effects of an animal's presence and the provision of emotional support, well-being, comfort, or companionship do not constitute work or tasks for the purposes of this definition.

Emotional Support Animal

An Emotional Support Animal (ESA) is defined as an animal with a primary role of providing emotional comfort to a person with a mental or psychiatric disability as prescribed by a licensed health care or mental health professional as part of the treatment process. ESAs are not the same as service animals in that they are not individually trained to do work or to perform specific tasks; nor are ESAs allowed in college facilities outside of the assigned private residence. Emory & Henry allows students to utilize an ESA in on-campus housing in accordance with the Fair Housing Amendments Act (FHAA) when an ESA is necessary for the individual to have full benefit, enjoyment, and use of the college-owned residential facility. ESAs may also be referred to as assistance animals, companion animals, or therapy animals. They are usually dogs or cats, but may be any animal that is considered reasonable.

Expectations, Rights, and Responsibilities Related to the Use of Animals on Campus:

Care and Supervision

1. The animal will be the full responsibility of the individual with a disability, and the owner must be consistently in control of the animal. If the animal is not under control or poses a risk to the health or safety of others, then the individual may be asked to remove the animal from campus.
2. Service animals must be harnessed, leashed, or tethered, unless these devices interfere with the service animal's work or the individual's disability prevents using these devices. In that case, the individual must maintain control of the animal through voice, signal, or other effective controls. Exceptions may be granted in an emergency situation when the animal is in the owner's private residence, when the animal needs to perform a task requiring it to travel beyond the length of the restraint, or when the owner is unable to retain an animal on a leash due to a disability.
3. The owner is responsible for removing or arranging for the removal of the animal's waste. This will result in placing the waste in a closed container and then removing the container to an outdoor trash bin. Owners who live in College housing may need to designate an individual to help with cleanup.
4. Individuals may be responsible for any damage that is caused by their animals.

Licensing

According to Virginia law, any animal that has reached a proper level of maturity must be licensed and must display a license on its collar at all times.

Health

Animals on campus must have an annual clean bill of health (including vaccinations and immunity shots against rabies and/or other diseases common to the type of animal) that is signed by a licensed veterinarian and a copy must be submitted to the Director of Housing. A valid vaccination tag must be worn by the animal at all times. Owners need to make sure that the animal is kept as clean as possible. Regular bathing/grooming and pest control measures also need to be performed and are the responsibility of the owner.

Smoking on Campus

The smoking policy on the main campus located in Emory restricts smoking to certain areas for the purpose of health and fire safety. There is to be no smoking in any campus building or outside of campus buildings except in

designated smoking areas located at least 25 feet from all entries, outdoor air intakes and operable windows. This includes tobacco products and electronic smoking devices. Everyone is asked to please use the containers that are provided outside of buildings for the disposal of cigarette butts.

The School of Health Sciences, located in Marion, is a tobacco-free campus. This policy supports a healthy environment for all members of our college community. This means that all types of tobacco products are prohibited in all college buildings and on all college-owned properties, including parking lots and all outside areas. This policy is intended to encourage improved health by eliminating the use of tobacco products given the mission of this campus. It is not intended to send tobacco use from our campus to neighboring areas.

Student Complaint Policy

If a student has a complaint, it is recommended that they first contact the office directly involved regarding the issue and seek resolution. The staff or faculty member may ask for additional information and may schedule an appointment to address the concern. If the student does not feel comfortable directly contacting the staff or faculty member connected to the complaint, the student can speak with the supervisor of that area.

If resolution with the office is not possible, the student should submit a formal written and signed complaint to the Director of Human Resources and Title IX Coordinator.

The formal complaint should include:

- The actual complaint stated as specifically as possible, and
- The desired outcome.

The Student Complaint Form can be found in the Human Resources Office.

Each student has the right to seek a remedy to a dispute or disagreement. Specific policies and procedures are outlined in the Academic Catalog and the Student Handbook pertaining to appeals for grades, parking tickets, student conduct cases and student records. In these cases, published policies and procedures are applied. In issues that are not covered by these policies and procedures, students have a right to file a complaint and request resolution.

The Dean of the area of concern or their designee will be assigned to address the complaint in a timely manner and to the best of their ability. Appropriate actions will be taken to resolve the issue for the student and to improve services in the future. If the problem is not resolved, the complainant may request a meeting with the President of the College. **This policy does not apply to academic grade disputes, Title IX issues, or other published policies and procedures.**

In the event that a student has a concern that they would like to express anonymously, the College participates in a service called the Campus Conduct Hotline at (866) 943-5787. The Campus Conduct Hotline system is available for use around the clock, seven days a week. Because the Hotline is operated by an independent organization, any calls made through this Hotline are completely confidential. The Hotline operator will record the complaint or concern and forward it to the appropriate staff member at the College for review and action as appropriate. Callers to the Hotline may remain anonymous.

Discrimination and Social Harassment Policy

In compliance with Title VI and Title VII of the Civil Rights Act of 1964, the Americans with Disabilities Act and other federal, state, and local equal opportunity laws, and in accordance with our values, Emory & Henry College does not discriminate or permit discrimination by any member of its community, to include faculty, staff, students, visitors, vendors, contractors or third parties, against any individual on the basis of race, color, religion, national origin, sex, sexual orientation, age, disability, veteran status, or genetic information in matters of employment, admissions, housing, services, or its educational programs and activities. Emory & Henry College affirms the dignity and worth of every individual.

Definitions:

1. **Discrimination** is an act or communication that alters an individual's or group's ability to completely participate in Emory & Henry's community on the basis of race, sex, disability, religion, sexual orientation, national origin, or gender expression.
2. **Social Harassment** is conduct and/or verbal action which, because of its severity, interferes with an individual's or group's work or education, or adversely affects living conditions.
3. **Hostile Environment** is caused by behavior that is sufficiently serious that it interferes with or limits a student's ability to participate in or benefit from the services, activities, or opportunities offered by the College. It is considered to be disruptive to the educational community.
4. **Mediation** is a facilitated discussion that is conducted with the assistance of a trained third party. It is designed to help the parties to reach a mutually agreeable resolution of a dispute and may be appropriate when:
 1. The parties wish to continue communicating or working together.
 2. The complaining party is able to articulate a desired outcome.
 3. No one has been physically harmed.

Restorative Justice Resolution

Once a formal complaint is filed with the Dean of Students or the Director of Human Resources, parties involved can request a restorative justice resolution process. The restorative justice resolution process often provides an effective means of communicating about the effects of behavior and can lead to resolving most disputes. The complainant, respondent, or a college official must agree to the restorative justice process. Parties involved may terminate the resolution process at any time and initiate the student conduct process. (Please note that based on the nature of the complaint or if a pattern of this behavior is documented, social justice resolution may not be an option.)

1. **Discussion with Respondent:** The complainant and respondent can elect to discuss the concerns directly with the other party involved, before any actions of other parties or college officials. The respondent may not understand that their conduct is offensive and unwelcome. Many arguments can be resolved or handled quickly with this form of communication. A complaint brought to the attention of the respondent shortly after the allegedly offensive behavior occurs can usually result in effective resolution. If an effective resolution is not obtained by the discussion, then the complainant or respondent has the option to discuss the alleged offensive behavior with a college official or a mediator.
2. **Discussion with College Officials or Mediators:** A complainant or respondent can speak with or discuss concerns with a friend, confidant, advisor, or counselor. In order to initiate a social justice resolution with college officials or mediators, a complainant should contact a college official or a Student Life staff member in a timely manner. (College officials include the President of the College, Dean of Students, and Dean of Faculty.) If the complainant, respondent, or the college official involved in the restorative justice resolution feels that this option will not bring an effective resolution, they can terminate the resolution process and initiate the formal student conduct process.
3. **The Restorative Justice Discussion can help with any or all of the following:**
 1. Helping the complainant and respondent decide whether the behavior violates the policy and/or to educate students more about the policy itself.
 2. Meeting with the respondent whose behavior is alleged to be offensive or unwelcome and help them understand or make it clear that the alleged behavior is unwelcome and should stop immediately.
 3. Organizing an investigation with the hope and goal of ending the alleged behavior in an expeditious manner.
 4. The resolution process will last as long as the complainant and respondent deem it desirable to continue to meet with the college official or mediator(s) designated above. Most complaints can be handled within a timely manner.

What is Restorative Justice?

Restorative Justice is a collaborative decision-making process that includes harmed parties, offenders, and others who are seeking to hold offenders accountable by having them (a) accept and acknowledge responsibility for their offenses (b) to the best of their ability, repair the harm they caused to harmed parties and the community, and work to rebuild trust by showing understanding the harm, addressing personal issues, and building positive social connections.

The resolution process will last as long as the complainant and respondent deem it desirable to continue to meet with the college official or mediator(s) designated above. Most complaints can be handled within a timely manner. Documents regarding the resolution of the Restorative Justice process will be kept in the Dean of Students Office.

Tailgating Policy

Tailgating is defined here as parking in a designated location/area and consuming food and beverages prior to and immediately following a home football game. The parking area across from the King Center and the East Parking Lots, located behind the stadium (reserved only) are designated as tailgate areas and are licensed for alcohol consumption for those who are of legal age. Tailgating is permitted beginning four hours prior to the start of the game and the tailgate area must be emptied no later than two hours after the game has ended. Tailgating hours may be adjusted for Homecoming and other special events.

Emory & Henry regulations and statutes of the Commonwealth of Virginia regarding drug and alcohol consumption will be strictly enforced. College policy and laws of the Commonwealth of Virginia prohibit public intoxication. Policies and laws also prohibit the possession or consumption of alcoholic beverages by anyone under 21 years of age. Hosts who furnish alcohol to underage individuals may be subject to criminal prosecution and personal civil liability exposure. Anyone found consuming or possessing alcohol younger than 21 years of age is subject to arrest and to charges of underage consumption or possession. Driver's licenses will be checked in order to gain access to these tailgate areas. Those under 21 must be accompanied by a parent in order to access the King Center and Reserved Tailgating areas.

Careful use of small propane grills is allowed. No gas powered generators are allowed. All beverages must be in a can, plastic bottle, or plastic cup. Glass is not permitted. All alcoholic beverages must remain in coolers or closed containers and not out in the open. Kegs will not be permitted. Only portable stereo units are permitted.

Waste food items and trash must be disposed of in appropriate containers that are provided throughout the grounds. If trash is left by individuals using the tailgate area, tailgating privileges can be rescinded for the remainder of the season and subsequent privileges will be reviewed after the season. Groups who tailgate must follow these risk management policies enforced by College staff must adhere to the following risk management policies; provide food for their group, provide plenty of non-alcoholic beverages, clean up assigned area, be sure at least one member of the group does not consume alcohol, and educate members about tailgating policies. By entering the tailgate area, individuals agree to abide by these regulations.

The College reserves the right to modify tailgating rules at any time to secure the safety and effective administration of the event. Please note that there will be an increased number of police officers available due to the procurement of a Virginia ABC license for each event.

Inclement Weather

Emory & Henry College 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 the other. Because the Emory campus is primarily a residential college with a majority of its undergraduate students living on campus, it is the intention of the College to remain open during inclement weather conditions. Under rare circumstances, such as severe inclement weather, a natural disaster, or other emergency, the College may delay the opening of college 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 "Live Safe", 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 at <http://www.ehc.edu/alert> or 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 college schedule change. When inclement weather or other circumstances lead to a delayed opening and/ or cancellation of classes and office hours at Emory & Henry College, 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 college's preferred method of communicating emergency messages, and college 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 College cancels classes and office hours for the day, academic programming and business operations are not held on that day. When the opening of the College 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 cancelled 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 college, college 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 Vice President for Student Life (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 College may release personal information. (To inform faculty of Family Education Rights and Policies Act [FERPA] rights and obligations, the College 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 College 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 College uses eThink, a cloud-based security system. Backups of student accounts and work are performed daily.

Institutionally, College 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 College 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 College 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://www.ehc.edu/files/4713/7356/1378/ComplaintForm.pdf> 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 College. 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 College staff member.

Preregistration and 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 Centralized Student Assistance Office and on the Registrar's website.

Preregistered courses become registered courses on registration day. Registration day is the first day of a semester, and all students are required to have completed their initial schedule and be registered by that date. 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 college 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 Centralized Student Assistance Office. Changes are permitted only during the period specified in the college 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 Foreign 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 college 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.

Foreign language: All students will take an online language placement exam in their chosen language, administered by the Department of Foreign 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 Foreign Languages faculty in order to confirm fulfillment of the Foreign 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 college. 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 college. 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 college in public or official capacities, including debates, dramatic or musical performances, or other similar public appearances; intercollegiate athletics; student publications, elected or appointed positions in campus government, or

other leadership positions on campus; boarding private horses at the Riding Center; managing athletic teams, cheerleading, or similar activities. Questions of eligibility for participation must be cleared with the Committee on Academic Standards.

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 college.

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 college.

Academic Code and Procedures for Due Process

Emory & Henry College, 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 college 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 judgement 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 about 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 College 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 registrar 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 than January 3, and of spring semester by no later than May 15.** Students must submit appeals of grades of 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 so the full committee 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. The Dean of Faculty or designees 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 College
9. Dismissal from the College

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 Vice President for 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 Vice President for 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 Vice President for Academic Affairs at least three working days prior to the meeting with the Vice-President of Academic Affairs. The Vice-President for 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 Vice-President finds a breach in the student's academic freedom has occurred he/she may address the violation using the relevant means described in the about paragraph. Whatever the finding, the Vice-President for 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.

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 College, only the higher grade is used in computing the GPA. The other grade is shown on the college 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 Self-Service, 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 National Student Clearinghouse (www.studentclearinghouse.org). Pursuant to the Privacy Act and because a signature is required, requests made by telephone cannot be honored. Student accounts must be current, and graduate accounts must be paid in full, before transcripts will be released.

Pass-Fail Options

Certain courses at the college 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, WP, WF, 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 College 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 College, 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 College 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 College 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 Centralized Student Assistance Office in consultation with the appropriate department chair. Emory & Henry College will normally offer a comparable number of credit hours to entering students who have studied at the "Higher Level" and have earned an 1B 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 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. For additional information, see the Graduate Studies section.

Incomplete and In Progress Courses

A grade of I (Incomplete) may be given when, for valid reasons, the requirements of a course are not met during the semester in which the student registered for the course. In these cases, an Incomplete Grade Agreement Form is submitted to the Centralized Student Assistance 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 is automatically changed to an F. Exceptions to this regulation require approval of the Provost. Incomplete courses are included as credit hours in calculating tuition and fee charges. IP (In Progress) reflects incomplete coursework that cannot be completed in a given semester due to institutional requirements.

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 College 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 Society (CORE 200) and the Emory Abroad requirements.

The college'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 better 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 GPA 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 College, 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), 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 college does not grant credit for non-credit 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 Centralized Student Assistance Office and online. 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 college, except with prior approval by the Provost. The college's limits with respect to course load apply also to courses taken at other schools, or at any combination of schools.

Student Resources

Library

The Frederick T. Kelly Library functions as the heart of the College's academic program. Library staff work with faculty and students to develop research skills and to provide a wide range of support services which enhance the teaching and learning experience. The library's print and electronic holdings are designed to support the areas of study offered at the college and to encourage intellectual and personal growth in a liberal arts setting. Kelly Library provides easy access to more than 391,000 items including books, ebooks, periodicals, government documents, and DVDs.

Kelly Library subscribes to approximately 320 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 College user from on or off campus.

The Library's facilities include collaborative study space, private study carrels, Kelly Computer Lab, McGowan Computer Classroom, and the Robert D. and Rachel K. Denham Poetry Collection. The Library is open 90 hours per week when the College is in session. Kelly Library also houses the college archives, rare book collections, the Hunt Room and its Collections, and historical collections of note.

Kelly Library is a member of the Holston Associated Libraries, Inc. (HAL), a consortium of two private colleges and two public library systems. The libraries share a state of the art library automation system with all holdings combined in an online public access catalog, which allows for reciprocal borrowing privileges. Kelly Library also participates in the VIV A (Virtual Library of Virginia) and the Appalachian College Association Central Library consortia, which provide an extensive collection of electronic resources. If students need research materials which are not available in Kelly Library, the materials may be requested online through ILLiad, the college's electronic interlibrary loan system.

Students and faculty have access to research assistance through email, phone, and in person. The professional librarians offer instructional programs, training sessions and orientations, along with academic reference services, and individualized assistance with projects, research questions, and term papers.

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 College 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 College 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 Centralized Student Assistance Office.

Absences & Withdrawals

Class Attendance

Emory & Henry College 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 college 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 college 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 college-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 college 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 college 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 college 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 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.

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. Withdrawals after this time and prior to mid-semester are recorded on the transcript and designated by the instructor as either WP (Withdrawn Passing) or WF (Withdrawn Failing). After mid-semester all withdrawals are designated as WF (Withdrawn Failing) unless the withdrawal is for demonstrably bona fide reasons acceptable 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 Provost or Registrar. The dates for Withdrawal Passing are not 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 Dean of Students. 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 Dean of Students, following an exit interview. Refunds will be given as described in the catalog section on Refunds in the Event of Withdrawal from the College.

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. An additional time period is allotted for withdrawals to be recorded on the transcript and designated by the instructor as either WP (Withdrawn Passing) or WF (Withdrawn Failing). After the WP/WF deadline all withdrawals are designated as WF (Withdrawn Failing) unless the withdrawal is for medical or other demonstrably bona fide reasons acceptable to the Committee on Academic Standards.

When seeking a medical withdrawal, students must submit to the Associate Provost a paper copy of their request to withdraw 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, withdrawals 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 withdrawal. Medical withdrawals approved by Academic Standards are designated as W (Withdrawn).

The Committee on Academic Standards will also require a student receiving a medical withdrawal 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 withdrawal 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 College for at least one full semester must apply for readmission in order to return. **See Readmission of Students in this catalog.**

Military Service

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.

Degrees & Certificates

Animal Science

Patricia Graham-Thiers, Program Advisor

Animal Science Minor

Patricia Graham-Thiers, Program Advisor

Type: Minor

Minor requirements

Item #	Title	Semester Hours
ANSC 100	Intro to Animal Science	4
ANSC 200	Domestic Animal Anatomy-Physiology	4
ANSC 300	Animal Nutrition & Feeding	4
ANSC 301	Animal Breeding & Genetics	4
	ANSC 400 or ANSC 470	3
	Total credits:	19

Appalachian Studies

Appalachian Studies 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.

Type: Minor

English 364 when the topic is Appalachian Literature

Item #	Title	Semester Hours
HIST 318	Appalachia	3
	ART 241 or ENV5 225	3
	An internship or independent study approved by the Appalachian Studies Program Advisor	
	GEOG 311 or GEOG 331 or HIST 316	3

Total credits: 9

Art

Professors

Charles W. Goolsby Dan Van Tassell

Mission

The Art department at Emory & Henry College 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, analyze and understand works of art in a variety of forms.

Art - Graphic Design (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.

Type: B.A.

Item #	Title	Semester Hours
	ART Core Courses	19
ART 215	Web Design	3
ART 310	Graphic Design	3
ART 345	Printmaking I	3
ART 410	Advanced Digital Art I	3
	Recommended Internship	2-6
	Additional Requirements - Art	3-4
	Total credits:	36-41

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

Type: B.A.

Item #	Title	Semester Hours
	ART Core Courses	19
ART 112	Three-Dimensional Design	3
ART 200	Figure Drawing	3
	Additional Requirements - Art	3-4

Art Studio Elective

Two courses from:

Item #	Title	Semester Hours
ART 305	Photography II	3
ART 345	Printmaking I	3
ART 356	Painting II	3
	ART 405 or 406	3
ART 410	Advanced Digital Art I	3
	ART 445 OR 446	3
	ART 455 OR 456	3
	Total credits:	34-35

Art - Teacher Preparation (B.A.)

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

Type: B.A.

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	19
ART 112	Three-Dimensional Design	3
ART 205	Photography I	3
ART 231	Ceramics I	3
ART 241	Crafts I	3
ART 312	Sculpture	3
ART 345	Printmaking I	3

Licensure Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3
	HIST 111 or HIST 112	3
STAT 161	Introduction to Statistics	4
	Laboratory Science*	4

Recommended

Item #	Title	Semester Hours
EDUC 401	Practicum in Education	2
	HHP 231, HHP 232, or HHP 251	3
	Total credits:	84

Minor in Art

Type: Minor

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

Minor in Art - Graphic Design

Type: Minor

Item #	Title	Semester Hours
ART 111	Introduction to Art & Design	3
ART 151	Drawing	3
ART 210	Visual Arts Computing	3
ART 221	History of Western Art I	3
ART 222	History of Western Art II	3
ART 310	Graphic Design	3
Total credits:		18

Athletic Training & Exercise Science

Professors

Dennis C. Cobler, Chair

Jean-Paul Barfield

Eleanor M. Beltz

A. Louise Fincher

Beth Funkhouser

Brianne Kilbourne

The undergraduate Athletic Training Program at Emory & Henry College is accredited by the Commission on Accreditation of Athletic Training Education (CAATE) located at 6850 Austin Center Blvd., Suite 100, Austin, TX 78731-3184. The program is currently applying to the CAATE for a change in the level of degree.

As such, the undergraduate program will no longer be accepting new students past the 2016-2017 Academic Year.

For Master of Science in Athletic Training, see Graduate Program Offerings.

ACCREDITATION

The Emory & Henry Athletic Training program is accredited by the Commission on Accreditation of Athletic

Training Education (CAATE). Students completing the athletic training major may sit for the BOC examination after receiving approval from the Program Director.

Fitness & Wellness (B.A.)

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 field (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

Type: B.A.

Item #	Title	Semester Hours
	Exercise Science - Core and Support Courses	24
BIOL 117	General Biology	4
BIOL 120	Integrated Anatomy & Physiology I	4
BIOL 121	Integrated Human Anatomy & Physiology II	4
	MATH 121 or MATH 123 or MATH 151	3-4
PSYC 102	Intro to Psy As Social Science	3
	STAT 161, STAT 162, or STAT 163	4

Contextual Support Area

Chosen in consultation with advisor.

Item #	Title	Semester Hours
BIOL 201	Organismal Biology	4
CHEM 111	General Chemistry I	4
EXSC 285	Research Experience in Exercise Science	1
EXSC 336	Advanced Strength & Conditioning	3
EXSC 470	Internship I	6
EXSC 471	Internship II	6
HHP 220	Prevention & Care of Athletic Injuries	3
HHP 334	Evaluation in Physical Education	3
PSYC 220	Child Development	3
PSYC 231	Lifespan Development	3
Total credits:		55-56

Clinical Health Professions (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.)

Type: B.S.

Item #	Title	Semester Hours
	Exercise Science - Core and Support Courses	24
GNST 205	Introduction to Healthcare Professions	1
BIOL 117	General Biology	4
BIOL 120	Integrated Anatomy & Physiology I	4
BIOL 121	Integrated Human Anatomy & Physiology II	4
	MATH 121 or MATH 123 or MATH 151	3-4
PSYC 102	Intro to Psy As Social Science	3
	STAT 161, STAT 162, or STAT 163	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
BIOL 300	Genetics	4
BIOL 430	Biochemistry	4
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 211	Organic Chemistry I	4
CHEM 240	Intro. to Biochemistry	3
EXSC 285	Research Experience in Exercise Science	1
EXSC 370X	Nutrition	2
PHYS 110	College Physics I	4
PHYS 111	College Physics II	4
PHYS 201	General Physics I	4
PHYS 202	General Physics II	4
PSYC 231	Lifespan Development	3
PSYC 321	Abnormal Psychology	3
SOCI 101	Introduction to Sociology	3
Total credits:		59-60

Biology

Professors

George C. Argyros, Chair

Brett Frye

Gerald Bresowar

Regenia Campbell

Christopher Fielitz

Christine M. Fleet

Biology (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 completion and presentation of a comprehensive independent research project and a departmental oral examination.

Type: B.A.

Contextual and Support

Item #	Title	Semester Hours
	Biology Core Courses	34
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 211	Organic Chemistry I	4
Item #	Title	Semester Hours
MATH 151	Calculus I	4
	STAT 161, STAT 162, or STAT 163	4
Three additional courses from ENV5, ESCI, or BIOL		
Total credits:		63-66

Biology (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.

Type: B.S.

Item #	Title	Semester Hours
	Biology Core Courses	34
BIOL 207	Biological Investigation II	2
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 211	Organic Chemistry I	4
CHEM 212	Organic Chemistry II	4
PHYS 201	General Physics I	4
PHYS 202	General Physics II	4
MATH 151	Calculus I	4
MATH 152	Calculus II	4
	STAT 161, STAT 162, or STAT 163	4
Total credits:		72

Biology - Teacher Preparation (B.S.)

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

Departmental Requirements: Prospective teachers must meet the requirements for the B.A. degree (with addition of PHYS 201) or B.S. degree.

Type: B.S.

Licensure Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 324	Assessing for Learning	3
EDUC 351	Fundamentals Science/Lab Pedagogy	2
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3

Additional Requirements

Item #	Title	Semester Hours
	HIST 111 or HIST 112	3
ESCI 111	Physical Geology	4
ESCI 112	Historical Geology	4

Recommended

Item #	Title	Semester Hours
	HHP 231, HHP 232, or HHP 251	3
Total credits:		50

Minor in Biology

Type: Minor

Item #	Title	Semester Hours
BIOL 117	General Biology	4
BIOL 201	Organismal Biology	4
BIOL 300	Genetics	4
	Two Additional Biology Courses	8
Total credits:		20

Business Administration

Professors

Kyle P. Macione, Chair

J. Thomas Fowlkes

A. Denise Stanley

Accounting (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 Management 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: 30 hours of accounting courses and 24 hours of management and/or economics courses. Requirements for other states are provided at www.aicpa.org.

Type: B.S.

Item #	Title	Semester Hours
	Business Administration Core Courses	34
ACCT 200	Spreadsheet Appl for Business	1
ACCT 301	Intermediate Accounting I	4
ACCT 302	Intermediate Accounting II	4
ACCT 310	Income Taxation	3
ACCT 340	Managerial Cost Accounting	3
ACCT 351	Ethics & Prof. Responsibility	3
ACCT 401	Advanced Accounting	3
ACCT 409	Auditing	3
MGMT 203	Business Law I	3
MGMT 204	Business Law II	3
Total credits:		64

Business - Teacher Preparation (B.S.)

Objective: To give students a broadly based background in business administration and to prepare them for careers teaching in secondary schools.

Type: B.S.

Departmental Requirements

The senior project requirement is met by successful completion of Management 449.

Item #	Title	Semester Hours
	Business Administration Core Courses	34
MGMT 203	Business Law I	3
MGMT 470	Internship I	3-6
CIMT 199	Intro. to Programming	2
	MATH 121 or MATH 123 or MATH 151	3-4

Licensure Requirements

*Met as Modes of Inquiry Core Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 324	Assessing for Learning	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3
	HIST 111 or HIST 112	3
	Laboratory Science*	4

Recommended

Item #	Title	Semester Hours
	HHP 231, HHP 232, or HHP 251	3
Total credits:		89-93

Business Administration (B.S.)

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

Type: B.S.

The senior project requirement is met by the successful completion of Management 449.

Students planning graduate study are encouraged to take Mathematics 151.

Item #	Title	Semester Hours
	Business Administration Core Courses	34
ACCT 200	Spreadsheet Appl for Business	1
MGMT 203	Business Law I	3
MGMT 204	Business Law II	3
Total credits:		41

International Studies and Business (B.S.)

Objectives: To provide students with a professional education and an understanding of the political, economic, and cultural complexities in the world. To prepare students for careers in business, journalism, diplomacy, international law, or public policy.

Type: B.S.

Item #	Title	Semester Hours
	Business Administration Core Courses	34
MGMT 320	Issues in International Management	3
	ECON 322 or INST 223X	3
INST 105X	Introduction to International Relations	3
	INST 450, ASIA 460, EUST 460, or MEIS 460	3
	Four Selected POLS Courses	12
	Foreign Language	12
Total credits:		70

Minor in Accounting

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

Type: Minor

Item #	Title	Semester Hours
ACCT 201	Principles of Accounting I	3
ACCT 202	Principles of Accounting II	3
	ACCT 301, 302, 310, 340, 401, 409, or MGMT 308 or 445	12
Total credits:		18

Minor in Business Administration

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

Type: Minor

Item #	Title	Semester Hours
ECON 151	Principles of Microeconomics	3
MGMT 305	Marketing in a Global Economy	3
MGMT 345	Management Theory and Practice	3
ACCT 201	Principles of Accounting I	3
	ECON 152, ACCT 202, MGMT 203, 308, 320, 441, or 445	6
Total credits:		18

Minor in International Business

A student majoring in a discipline other than management may minor in International Business.

Type: Minor

Item #	Title	Semester Hours
	INST 105X or GEOG 221	3
ECON 151	Principles of Microeconomics	3
ECON 152	Principles of Microeconomics	3
ECON 322	International Trade	3
MGMT 305	Marketing in a Global Economy	3
MGMT 320	Issues in International Management	3
Total credits:		18

Chemistry

Professors

Michael Lane

James C. Duchamp, Chair

Jamie Ferguson

Laura J. Hainsworth

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 (B.A.)

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

The senior project is completed by taking CHEM 450.

Satisfactory performance on departmental assessments exams is also required.

Type: B.A.

Item #	Title	Semester Hours
	Chemistry - Core Courses	17
	CHEM 240 or CHEM 430X	3-4
	CHEM 221, 230, 312, 313, 320, 330, 350, 422, or 433	3-4
CHEM 450	Senior Seminar	1
MATH 151	Calculus I	4
STAT 161	Introduction to Statistics	4
Total credits:		32-34

Chemistry - Applied Health Sciences (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 at Emory & Henry is also required.

Type: B.A.

Item #	Title	Semester Hours
	Chemistry - Core Courses	17
	Courses taken at a recognized school of pharmacy in consultations with the Department of Chemistry	13
	One 200 Level or Above English Course	3
MATH 151	Calculus I	4
STAT 161	Introduction to Statistics	4
PHYS 201	General Physics I	4

Courses requires for admission to a school of pharmacy

Item #	Title	Semester Hours
BIOL 117	General Biology	4
BIOL 201	Organismal Biology	4
BIOL 425	General Physiology	4
BIOL 430	Biochemistry	4
Total credits:		61

Chemistry - Teacher Preparation (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. degree must include Chemistry 312, Chemistry 330, and all prerequisites.

Type: B.A. or B.S.

Licensure Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 324	Assessing for Learning	3
EDUC 351	Fundamentals Science/Lab Pedagogy	2
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3
	HIST 111 or HIST 112	3
PHYS 201	General Physics I	4

Recommended

Item #	Title	Semester Hours
	HHP 231, HHP 232, or HHP 251	3
Total credits:		46

Chemistry (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.

Type: B.S.

Item #	Title	Semester Hours
	Chemistry - Core Courses	17
CHEM 221	Analytical Chemistry	4
CHEM 230	Intro. to Inorganic Chemistry	3
CHEM 240	Intro. to Biochemistry	3
CHEM 312	Physical Chemistry I	3
CHEM 313	Physical Chemistry II	3
CHEM 330	Advanced Chemistry Laboratory	4
CHEM 450	Senior Seminar	1
	CHEM 460 or CHEM 490	1-4

Two courses from:

Item #	Title	Semester Hours
CHEM 320	Materials Science	3
CHEM 350	Special Topics	4
CHEM 422	Instrumental Analysis	3
CHEM 433	Advanced Organic Chemistry	3

Contextual & Support Requirements

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

Minor in Chemistry

Type: Minor

Item #	Title	Semester Hours
CHEM 111	General Chemistry I	4
CHEM 111L	General Chemistry I Lab	0
CHEM 112	General Chemistry II	4
CHEM 112L	General Chemistry II Lab	0

Four Courses Chosen From:

Item #	Title	Semester Hours
CHEM 211	Organic Chemistry I	4
CHEM 212	Organic Chemistry II	4
CHEM 221	Analytical Chemistry	4
CHEM 230	Intro. to Inorganic Chemistry	3
CHEM 240	Intro. to Biochemistry	3
CHEM 312	Physical Chemistry I	3
CHEM 313	Physical Chemistry II	3
CHEM 330	Advanced Chemistry Laboratory	4
CHEM 433	Advanced Organic Chemistry	3
Total credits:		20-24

Civic Innovation

Professors

Talmage A. Stanley, Chair

Civic Innovation (B.A.)

Item #	Title	Semester Hours
CVIN 100	Intro. to Civic Innovation	4
CVIN 124	Skills Seminar: Project Design & 1 Mgmt.	
CVIN 125	Skills Seminar: Public Presentation	1
CVIN 126	Skills Seminar: Interviewing/ Research	1
CVIN 205	Skills Sem: Alliances for Innovation	4
CVIN 224	Skills Seminar: Innovative Leadership	1
CVIN 225	Skills Seminar: Funding Innovation	1
CVIN 226	Skills Seminar: Program Development	1
CVIN 240	Research Methodes for Innovation	3
CVIN 300	Innovative Leadership CVIN 200 or CVIN 255 or CVIN 260	4 3
CVIN 400	Senior Project	6
CVIN 450	Capstone Seminar / Thesis STAT 161, STAT 162, or STAT 163	3 4
	Civic Innovation Area Selection	3-4
	Total credits:	40-41

Minor in Civic Innovation

Type: Minor

Item #	Title	Semester Hours
CVIN 100	Intro. to Civic Innovation	4
	Civic Innovation Area Selection	3-4
	Civic Innovation Skills Seminars	8
	Total credits:	15-16

Creative Communication

Minor in Creative Communication

Objective: To explore creative concepts and practices related to communication in the fields of art, English, and mass communications.

Type: Minor

Item #	Title	Semester Hours
ART 210	Visual Arts Computing	3
	ART 215 or ART 310	3
	ENGL 200 or ENGL 321 or MCOM 202	3-4
	ENGL 322 or ENGL 323	3
MCOM 204	Beginning Publication & Design	3
MCOM 302	Writing, Report & Editing II	3
	Total credits:	18-19

Economics

Professors

Deborah Spencer, Chai

Economics

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.

Type: B.A.

Item #	Title	Semester Hours
ECON 151	Principles of Microeconomics	3
ECON 152	Principles of Microeconomics	3
	STAT 161, STAT 162, or STAT 163	4
SOSS 200	Introduction Research Methods	4
	SOSS 301 or SOSS 302	4
	4 Courses from ECON 220X, 225, 231, 260, 262, 321, 322, 330, 332, or 350	12
	1 Course from ACCT 201, MGMT 203, PHIL 221, POLS 245, SOCI 240, or GEOG 333	3
	1 Course from SOSS 450, ECON 450, ECON 460, or ECON 470	3-4

Recommended

Item #	Title	Semester Hours
MATH 151	Calculus I	4
MATH 152	Calculus II	4
MATH 253	Calculus III	4
MATH 321	Linear Algebra	3

Contextual and Support Area

Students also select a minor in another discipline **OR** the contextual support area for Economics.

Item #	Title	Semester Hours
	At least one from: ENGL 200, MATH 152, MATH 321, PHIL 231, or SOCI 330	3-12
	At least one from: POLS 103, POLS 117, POLS 217, POLS 343, HIST 112, SOCI 101, SOCI 229, or SOCI 270	3-12
	At least one from: GEOG 221, POLS 105, POLS 225, POLS 240, SOCI 240, or ASIA 241	3-12
Total credits:		69-72

Minor in Economics

Type: Minor

Item #	Title	Semester Hours
ECON 151	Principles of Microeconomics	3
ECON 152	Principles of Microeconomics	3
ECON 253	Applied Intermediate Theory	4
	Two courses from: ECON 220X, 6231, 260, 262, 321, 322, 330, 332, or 450	
Total credits:		16

Education

Professors

Douglas E. Arnold, Director of Neff Center

Janet Justice Crickmer

Sandra Frederick, Chair

Mark Hainsworth

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.

Professional Studies Master of Education: Special Education

Five-Year Program

General Curriculum K-12 Endorsement Track

Students may select a five year program leading to the appropriate bachelor's degree and a Professional Studies Master's degree while meeting the certification requirements for endorsement in special education-general curriculum K-12. Students in this track also meet certification requirements for general education endorsements. This option provides more subject area content for teacher preparation students at the undergraduate level and significant professional preparation in the fifth year.

Any undergraduate work required for Virginia Board of Education licensure also will be required. Students should consult the Director of the Teacher Education Program or the Director of the Special Education Program.

Type: Master's Degree

Item #	Title	Semester Hours
EDUC 310	Teach Read & the Language Arts	3
MATH 311	Fundamentals of Mathematics I	3
	EDUC 410 or EDUC 549E	3
EDUC 501B	Practicum in Interv - Disabili	3
EDUC 505	Contemporary Issues & Problems Edu	3
EDUC 524	Assessing for Learning	3
	EDUC 530 or EDUC 550	3
EDUC 545	Foundations of Education	3
	EDUC 449 or EDUC 549S	3
EDUC 560	Sem: Teach K-12 Spec Classroom	2
EDUC 561	Student Teach-K-12 Sp Educ	10
EDUC 570	Survey of Exceptional Children	3
	SPED 402 OR SPED 502	3
	SPED 403 or SPED 503	3
	SPED 422 or SPED 522	3
	Total credits:	51

Engineering

Engineering Science (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.

Type: B.S.

Item #	Title	Semester Hours
EGSC 110	Introduction to Engineering Science I	4
EGSC 120	Introduction to Engineering Science II	4
	EGSC 210 or EGSC 211	1
EGSC 320	Materials Science	4
EGSC 321	Engineering Mechanics	3
EGSC 361	Electronics Instrumentation	4
EGSC 430	Engineering Thermodynamics	3
EGSC 498	Capstone Engineering Project Design	1
EGSC 499	Capston Engineering Project	3
EGSC 470	Internship I	2

Two Courses From:

Item #	Title	Semester Hours
EGSC 300	Genetic Engineering	
EGSC 330	Controls and Systems	
EGSC 340	Materials Chemistry	
EGSC 350	Special Topics in Engineering	
EGSC 410	Into to Nanotechnology	
EGSC 410	Into to Nanotechnology	
EGSC 420	Mechanical Properties of Materials	
CHEM 422	Instrumental Analysis	3
ENVS 200	Environmental Monitoring	4

Foundational Courses

Item #	Title	Semester Hours
CHEM 111	General Chemistry I	4
CHEM 111L	General Chemistry I Lab	0
CHEM 112	General Chemistry II	4
CHEM 112L	General Chemistry II Lab	0
CHEM 312	Physical Chemistry I	3
MATH 151	Calculus I	4
MATH 152	Calculus II	4
MATH 253	Calculus III	4
MATH 353	Differential Equations	3
PHYS 201	General Physics I	4
PHYS 202	General Physics II	4
PHYS 355	Mathematical Methods for Phys. 4 Science I	4

Additional Requirements:

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

Two Courses From:

Item #	Title	Semester Hours
GEOG 205	Environment & Planning	3
GEOG 322	Environmental Policy	3
PHIL 224	Environmental Ethics	3
SOCI 230	Environmental Sociology	3
ECON 313	Economics of Growth & Development	3
Total credits:		88-90

English

Professors

Scott Boltwood, Chair

Kathleen R. Chamberlain

Nicole Drewitz-Crockett

Felicia Mitchell

Mary Ellis Rice

Jennifer Krause

English - Literature (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.

All juniors pass the junior- level writing proficiency test; a student who does not pass the test must enroll in and pass English 199 prior to repeating the writing proficiency test.

The senior project is met by 450.

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

Type: B.A.

Item #	Title	Semester Hours
ENGL 200	Reading & Writing About Literature	3
	Two Courses from ENGL 250, ENGL 251 and ENGL 252	6
	ENGL 255 or ENGL 256	3
ENGL 332	Critical Perspectives in Lit	3
ENGL 360	Shakespeare	3
ENGL 364	Studies in Literary Traditions:	3
ENGL 450	Senior Seminar	3
	ENGL Elective	3
	ENGL Elective	3
Total credits:		30

English - Literature and Creative Writing (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.

All juniors pass the junior-level writing proficiency test; a student who does not pass the test must enroll in and pass English 199 prior to repeating the writing proficiency test.

The senior project is met by 450.

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

Type: B.A.

Item #	Title	Semester Hours
ENGL 200	Reading & Writing About Literature	3
	Two Courses from ENGL 230, ENGL 231, ENGL 232, ENGL 233, and ENGL 234	6
	Two Courses from ENGL 250, ENGL 251 and ENGL 252	6
	ENGL 255 or ENGL 256	3
	Two Courses from ENGL 322, ENGL 323, and ENGL 326	6
ENGL 450	Senior Seminar	3
	ENGL Elective	3
	RELG 111 or RELG 131 or RELG 132	3
	Any MATH course beyond 099 or any Statistics course	3-4
Total credits:		36-37

English - Pre-Professional English 1: Publishing (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.

All juniors pass the junior-level writing proficiency test; a student who does not pass the test must enroll in and pass English 199 prior to repeating the writing proficiency test.

The senior project is met by 450.

Type: B.A.

Item #	Title	Semester Hours
ENGL 200	Reading & Writing About Literature	3
	Two Courses from ENGL 250, ENGL 251 and ENGL 252	6
	ENGL 255 or ENGL 256	3
ENGL 332	Critical Perspectives in Lit	3
	ENGL 360 or ENGL 362	3
ENGL 364	Studies in Literary Traditions:	3
ENGL 450	Senior Seminar	3
	ENGL Elective	3
	ENGL Elective	3
MCOM 202	Writing, Reporting & Editing I	4
	MCOM 204 or ART 215	3
	CIMT 130 or CIMT 140	2-3
ACCT 200	Spreadsheet Appl for Business	1
MGMT 305	Marketing in a Global Economy	3
	One course outside of English	3
	RELG 111 or RELG 131 or RELG 132	3
STAT 162	Intro Stats for Social Science	4
Total credits:		53-54

English - Pre-Professional English 2: Library and Information Technology (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.

Requirements: English 200; two courses from 250, 251, and 252; 255 or 256; 317 or 332; 333, 360, 362 or 364; 450; and two electives in English. The senior project is met by 450. The concentration in Library and Information Technology (LIT) is fulfilled by two CVIN Skills Seminars (124, 125, 126, 224, 225, or 226), GNST 204; MGMT 345; Philosophy 231; and an internship in library or library-related field. To meet the religion requirement, students complete Religion 111, 131 or 132. To meet the mathematics requirement, students complete STAT 162. All juniors pass the junior-level writing proficiency test; a student who does not pass the test must enroll in and pass English 199 prior to repeating the writing proficiency test.

All juniors pass the junior-level writing proficiency test; a student who does not pass the test must enroll in and pass English 199 prior to repeating the writing proficiency test.

The senior project is met by 450 .

Type: B.A.

Item #	Title	Semester Hours
ENGL 200	Reading & Writing About Literature	3
	Two Courses from ENGL 250, ENGL 251 and ENGL 252	6
	ENGL 255 or ENGL 256	3
	ENGL 317 or ENGL 332	3
ENGL 333	Linguistics	3
	ENGL 360 or ENGL 362 or ENGL 364	3
ENGL 450	Senior Seminar	3
	ENGL Elective	3
	ENGL Elective	3
	Two Courses from CVIN 124, CVIN 125, CVIN 126, CVIN 224, CVIN 225 and CVIN 226	2
GNST 204	Introduction to Libraries	1
MGMT 345	Management Theory and Practice	3
PHIL 231	Techniques of Reasoning	3
ENGL 470	Internship I	6
	One course outside of English	3
	RELG 111 or RELG 131 or RELG 132	3
STAT 162	Intro Stats for Social Science	4
	Total credits:	55

English - Teacher Preparation (6-12) (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.

All juniors pass the junior-level writing proficiency test; a student who does not pass the test must enroll in and pass English 199 prior to repeating the writing proficiency test.

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.

Type: B.A.

Departmental Requirements

Item #	Title	Semester Hours
ENGL 200	Reading & Writing About Literature	3
ENGL 250	Major British Writers I	3
	ENGL 251 or ENGL 252	3
	ENGL 255 or ENGL 256	3
ENGL 332	Critical Perspectives in Lit	3
ENGL 333	Linguistics	3
ENGL 360	Shakespeare	3
ENGL 364	Studies in Literary Traditions:	3
ENGL 450	Senior Seminar	3
	RELG 131 or RELG 132	3

Licensure Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 324	Assessing for Learning	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3
	HIST 111 or HIST 112	3
STAT 161	Introduction to Statistics	4
	HHP 231, HHP 232, or HHP 251	3
	Total credits:	74

Interdisciplinary English (B.A.)

Elementary PK-3

Elementary and Middle School PK-6, 6-8

Objective: To provide an introduction to courses in English language and literature as a foundation for a career in teaching and to enable students to meet Virginia requirements for licensure to teach grades PK-

3, PK-6, 6-8

(depending on choices in professional studies). Note: Students pursuing licensure to teach with a major in Interdisciplinary English must notify the Neff Center immediately and are advised by a member of the Neff Center for Teacher Education in consultation with the Chair of the English Department.

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.

Student Teaching is the senior project.

Variations for Particular Licensure Options In Elementary/ Middle School:

Elementary PK-3: The above program is complete for PK-3 licensure.

Elementary PK-6 and Middle 6-8: In addition to the above program, students must complete Education 401, History 111 and 112, History 105 or 122, and one course in economics.

Type: B.A.

Item #	Title	Semester Hours
	Requirements in Professional Studies	40
ENGL 200	Reading & Writing About Literature	3
	ENGL 250 or ENGL 251 or ENGL 252	6
	ENGL 255 or ENGL 256	3
ENGL 317	Lit for Children & Young Adults	3
ENGL 333	Linguistics	3
	One additional 300-level English 3 course	
	RELG 111 or RELG 131 or RELG or 132 or RELG 200	3
	MATH 121 or MATH 123 or MATH 151	3-4
MATH 311	Fundamentals of Mathematics I	3
	STAT 161, STAT 162, or STAT 163	4
HIST 111	American Hist to 1861	3
HIST 112	American Hist Since 1861	3
	HIST 105 or HIST 122	3
POLS 103	Politics of the United States	3
	ECON 151 or ECON 152	3
	GEOG 111 or GEOG 331	3
	BIOL 105 or BIOL 117	4
ART 111	Introduction to Art & Design	3
	CHEM 111 or ESCI 111 or ESCI 201 or PHYS 100 or PHYS 101	
	Total credits:	103-104

Interdisciplinary English (PK-3, PK-6, 6-8) & Teacher Preparation (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.

Type: B.A.

Requirements

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

Item #	Title	Semester Hours
ENGL 200	Reading & Writing About Literature	3
	ENGL 250 or ENGL 251 or ENGL 252	6
	ENGL 255 or ENGL 256	3
ENGL 317	Lit for Children & Young Adults	3
ENGL 333	Linguistics	3
	One additional 300-level English 3 course	
	ENGL 450 or EDUC 421	

Professional Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 310	Teach Read & the Language Arts	3
EDUC 324	Assessing for Learning	3
EDUC 340	Teaching of Math/Sci in Elem/ Ms	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 410	Practicum: Reading Problems	3
EDUC 420	Teaching in Elem/Middle	2
EDUC 421	Supv Teach in Elementary & Middle	10
EDUC 430	Elem/Middle Methods	3
EDUC 445	Foundations of Education	3

Additional Requirements

Item #	Title	Semester Hours
	RELG 111 or RELG 131 or RELG or 132 or RELG 200	3
	MATH 121 or MATH 123 or MATH 151	3-4
MATH 311	Fundamentals of Mathematics I	3
	STAT 161, STAT 162, or STAT 163	4
HIST 111	American Hist to 1861	3
HIST 112	American Hist Since 1861	3
	HIST 105 or HIST 122	3
POLS 103	Politics of the United States	3
	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:	103-104

Equine Studies

Professors

Patricia Graham-Thiers, Chair

Lisa Moosmueller-Terry

Heather Richardson

Jessica Denniston

Equine Studies (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.

Type: B.A.

Item #	Title	Semester Hours
	Seven Semester Hours in Selected Equine Studies	7
EQST 217	Stable Management I	4
EQST 224	Schooling Techniques	3
EQST 305	Judging, Management & Course Design	3
EQST 306	Equine Facilities Design & Management	4
EQST 324	Methods of Teaching	3
EQST 326	Equine Nutrition	3
EQST 327	Farrier Science	3
EQST 335	Equine Anatomy/Physiology/First Aid	3
EQST 336	Methods of Teaching II	3
EQST 360	Conformation & Selection	3
EQST 418	Equine Health Management	3
EQST 435	Equine Health & Breeding	3
EQST 470	Equine Studies Internship	3
HHP 251	Safety Education	3
	MATH 121 or Higher	3
	Total credits:	54

Equine Studies (B.S.)

Type: B.S.

Item #	Title	Semester Hours
	Seven Semester Hours in Selected Equine Studies	7
EQST 217	Stable Management I	4
EQST 224	Schooling Techniques	3
EQST 305	Judging, Management & Course Design	3
EQST 306	Equine Facilities Design & Management	4
EQST 324	Methods of Teaching	3
EQST 326	Equine Nutrition	3
EQST 327	Farrier Science	3
EQST 335	Equine Anatomy/Physiology/First Aid	3
EQST 336	Methods of Teaching II	3
EQST 350	Special Topics	3
EQST 360	Conformation & Selection	3
EQST 418	Equine Health Management	3
EQST 435	Equine Health & Breeding	3
EQST 470	Equine Studies Internship	3
HHP 251	Safety Education	3
	MATH 151 or MATH 161X	4
	BIOL 105 or BIOL 117	4
	One additional lab science course	4
	Total credits:	66

Minor in Equine Studies

Type: Minor

Item #	Title	Semester Hours
	2 Semester Hours in Selected Equine Studies	2
EQST 217	Stable Management I	4
EQST 306	Equine Facilities Design & Management	4
EQST 324	Methods of Teaching	3
EQST 326	Equine Nutrition	3
EQST 327	Farrier Science	3
EQST 418	Equine Health Management	3
Total credits:		22

Foreign Languages

Professors

Xiangyun Zhang, Chair

Mary Bell Boltwood

Gonzalo Baptista

French - Teacher Preparation (B.A.)

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

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

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

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.

Type: B.A.

Department Requirements

Item #	Title	Semester Hours
FRCH 101	Beginning French I	4
FRCH 102	Beginning French II	4
FRCH 201	French Grammar	3
FRCH 202A	Intermediate Conversation/Composition	3
FRCH 300	French Civilization	3
FRCH 301A	Issues in France & Francophone Regions	3
FRCH 402	Advanced Conversation Grammar & Comp	3
FRCH 304A	Literature Survey III	3
	FRCH 302A or FRCH 303A	3
	FRCH 330 or FRCH 331	3
	Six semester hours completed with an approved study abroad program	6
ENGL 333	Linguistics	3
	MATH 121 or Higher	3

Licensure Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 324	Assessing for Learning	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3
	HIST 111 or HIST 112	3
STAT 161	Introduction to Statistics	4
	HHP 231, HHP 232, or HHP 251	3
Total credits:		88

French and Francophone Studies (B.A.)

Objective: To provide students an interdisciplinary framework for the study of the history, literature, film, and culture of France and the world in which French is an important medium of culture.

The senior project is met by 450, which is designed to increase students' knowledge of a French speaking country or region in their particular field of interest.

Type: B.A.

Item #	Title	Semester Hours
FRCH 101	Beginning French I	4
FRCH 102	Beginning French II	4
FRCH 201	French Grammar	3
FRCH 202A	Intermediate Conversation/Composition	3
FRCH 300	French Civilization	3
FRCH 301A	Issues in France & Francophone Regions	3
FRCH 304A	Literature Survey III	3
FRCH 402	Advanced Conversation Grammar & Comp	3
FRCH 450	French Senior Seminar	3
	Two additional French courses at the 300- or 400- Level*	6
	Six semester hours completed with an approved study abroad program	6
	MATH 121 or Higher	3
	Total credits:	44

French and International Commerce (B.A.)

Objectives: To train students in French and acquaint them with the cultures, and fundamental business and economic concepts in order to prepare them for careers in management and leadership in organizations that operate globally.

The senior project is met by 480, which is designed to increase students' knowledge of a French speaking country or region in their particular field of interest.

Type: B.A.

Item #	Title	Semester Hours
FRCH 101	Beginning French I	4
FRCH 102	Beginning French II	4
FRCH 201	French Grammar	3
FRCH 202A	Intermediate Conversation/Composition	3
	FRCH 300 or FRCH 301A	3
FRCH 305	Advanced Business French	3
	Six semester hours completed with an approved study abroad program	6
FRCH 480	Senior Project in French	3
ACCT 201	Principles of Accounting I	3
ACCT 202	Principles of Accounting II	3
MGMT 320	Issues in International Management	3
MGMT 345	Management Theory and Practice	3
ECON 151	Principles of Microeconomics	3
ECON 152	Principles of Microeconomics	3
ECON 322	International Trade	3
	STAT 161 or STAT 162	4
	Total credits:	54

Hispanic Studies (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 and 402 ST.

Type: B.A.

Item #	Title	Semester Hours
SPAN 101	Beginning Spanish I	4
SPAN 102	Beginning Spanish II	4
SPAN 201	Intermediate Spanish I	3
SPAN 202A	Communication in the Hispanic World	3
SPAN 301	Advanced Grammar & Expressions of Cultur	3
SPAN 302A	Intro to Hispanic Literature & Film	3
	Four Courses from SPAN 350, SPAN 401ST, and SPAN 402ST	4-12
SPAN 450	Senior Seminar	3
	Six semester hours completed with an approved study abroad program	6
	MATH 121 or Higher	3
	Total credits:	36-44

Spanish - Teacher Preparation (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.

Type: B.A.

Department Requirements

Item #	Title	Semester Hours
SPAN 101	Beginning Spanish I	4
SPAN 102	Beginning Spanish II	4
SPAN 201	Intermediate Spanish I	3
SPAN 202A	Communication in the Hispanic World	3
SPAN 301	Advanced Grammar & Expressions of Cultur	3
SPAN 302A	Intro to Hispanic Literature & Film	3
SPAN 330	Study Abroad Program	3
SPAN 331	Study Abroad Program	3
SPAN 407	Teacher Preparation	3
	Six semester hours completed with an approved study abroad program	6
ENGL 333	Linguistics	3
	MATH 121 or Higher	3

Licensure Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 324	Assessing for Learning	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3
	HIST 111 or HIST 112	3
STAT 161	Introduction to Statistics	4
	HHP 231, HHP 232, or HHP 251	3
	Total credits:	85

Minor in Foreign Language other than Spanish

Type: Minor

Item #	Title	Semester Hours
	Foreign Language Course - 101	3
	Foreign Language Course - 102	3
	Foreign Language Course - 201	3
	Three Additional Foreign Language Courses, Two of which on the 300- or 400-level	9
	Total credits:	18

Minor in Spanish

Type: Minor

Item #	Title	Semester Hours
SPAN 101	Beginning Spanish I	4
SPAN 102	Beginning Spanish II	4
SPAN 201	Intermediate Spanish I	3
SPAN 202A	Communication in the Hispanic World	3
SPAN 301	Advanced Grammar & Expressions of Cultur	3
SPAN 302A	Intro to Hispanic Literature & Film	3
	Total credits:	20

Geography & Earth & Environmental Sciences

Professors

Edward H. Davis, Chair
Aaron Barth
Laura Hainsworth

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 program in **Environmental Studies** 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 college 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 (B.A.)

Objectives: To prepare students for employment or graduate work in policy-related aspects of the environment, so that graduates can contribute to the formulation of public and corporate policies for the restoration and preservation of ecosystems.

The senior project is fulfilled by ENVS 450.

Type: B.A.

Item #	Title	Semester Hours
ENVS 100	Intro Environmental Studies	3
ENVS 450	Seminar in Environmental Studies	3
	BIOL 105 or BIOL 117	4
CHEM 111	General Chemistry I	4
GEOG 205	Environment & Planning	3
GEOG 322	Environmental Policy	3
ECON 151	Principles of Microeconomics	3
POLS 103	Politics of the United States	3
	Four Courses from ENVS 200, ENVS 335, ENVS 350, ESCI 111, ESCI 201, and GEOG 340	10-16
STAT 161	Introduction to Statistics	4
	Three selected courses or a Major/Minor in another discipline	8-14
Total credits:		48-60

Geography (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.

Type: B.A.

Item #	Title	Semester Hours
GEOG 111	Human Geography	3
GEOG 205	Environment & Planning	3
SOSS 200	Introduction Research Methods	4
	Two Courses from GEOG 245, GEOG 341, GEOG 316X, GEOG 333, CVIN 250, CVIN 255, and CVIN 260	3
	GEOG 322 or GEOG 370	3
GEOG 340	Geographic Information Systems	3
	GEOG 390 or GEOG 460 or GEOG 470	3
GEOG 450	Seminar	3
	STAT 161, STAT 162, or STAT 163	4
Total credits:		29

Geography - Social Sciences (B.A.)

Objective: To enroll in an interdisciplinary and integrated program of study through a combination of courses.

Requirements: Majors are required to complete at least 48 semester hours of coursework in the social sciences. At least half of the courses' content must deal with American history, economy, government, geography, and emphasis on comparative and international studies, as well as on philosophical and conceptual dimensions of the social sciences. This program has been designed to prepare students for graduate school, law school, and other areas of employment.

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

The college computer proficiency requirement is met by Computer Information Management 140.

Type: B.A.

Item #	Title	Semester Hours
GEOG 111	Human Geography	3
GEOG 201X	Weather & Climate	3
GEOG 331	Geography of US & Canada	3
GEOG 450	Seminar	3
	GEOG 350X or HIST 205 or SOCI 330	3
HIST 110	Modern World History	3
HIST 111	American Hist to 1861	3
HIST 112	American Hist Since 1861	3
	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 123 or MATH 151	3-4
	STAT 161, STAT 162, or STAT 163	4
Total credits:		49-50

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

Type: B.A.

Department Requirements

Item #	Title	Semester Hours
GEOG 111	Human Geography	3
GEOG 205	Environment & Planning	3
	GEOG 201X or GEOG 202X	3
GEOG 331	Geography of US & Canada	3
GEOG 450	Seminar	3
GEOG 460	Independent Study	4
	Two additional Geography courses	6
ESCI 111	Physical Geology	4
ESCI 112	Historical Geology	4
ESCI 201	Weather & Climate	3
ESCI 202	Geomorphology	3
	Two additional Earth Science courses	6
PHYS 101	Astronomy	4
STAT 161	Introduction to Statistics	4

Licensure Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 324	Assessing for Learning	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3
	HIST 111 or HIST 112	3
	HHP 231, HHP 232, or HHP 251	3
	Total credits:	93

Environmental Studies - Science (B.S.)

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

The senior project is fulfilled by ENVS 450.

Type: B.S.

Item #	Title	Semester Hours
ENVS 100	Introd Environmental Studies	3
ENVS 200	Environmental Monitoring	4
ENVS 300	Wildlife Monitoring & Mgmt	4
ENVS 450	Seminar in Environmental Studies	3
BIOL 117	General Biology	4
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
	Three Courses from ENVS 205X, ENVS 225, ENVS 322X, ESCI 111, ESCI 201, and GEOG 340	9-10
MATH 151	Calculus I	4
STAT 161	Introduction to Statistics	4
	Three Courses from Selected Courses or a Major/Minor in another Discipline	7-14
	Total credits:	50-58

Minor in Environmental Studies

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.

Type: Minor

Minor in Food Studies

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.

Type: Minor

Minor in Geography

A student may minor in geography by completing Geography 111; 205; 450; and three additional geography courses approved by the department chair.

Type: Minor

Health & Human Performance

Professors

Beverly Sheddan, Chair
Rebecca R. Buchanan
Joy Scruggs

Health and Physical Education – Teacher Preparation (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.

Type: B.A.

Departmental Requirements:

Item #	Title	Semester Hours
	Health & Human Performance — Core Courses	18-21
HHP 232	School and Community Health	3
HHP 241	Foundations of Traffic Safety	3
HHP 261	Applied Anatomy & Kinesiology	3
HHP 335	Phed for Exceptional Children	3
HHP 341	Principles of Method Class in - Car Inst	3
HHP 412	Skills & Tech in Teaching Phed	3
	Ten physical education activity courses	5

Additional Requirements:

Item #	Title	Semester Hours
BIOL 310	Exercise Physiology	4
MATH 121	College Algebra	3

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
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 324	Assessing for Learning	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching- Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3

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
Total credits:		86-89

Human Performance (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.

Type: B.A.

Item #	Title	Semester Hours
	Health & Human Performance — Core Courses	18-21
HHP 261	Applied Anatomy & Kinesiology	3
HHP 335	Phed for Exceptional Children	3
HHP 336	Leadership in Sports & Society	3
HHP 412	Skills & Tech in Teaching Phed	3
	Ten physical education activity courses	5

Additional Requirement:

Item #	Title	Semester Hours
MATH 121	College Algebra	3
Total credits:		38-41

Human Performance – Sport Management (B.A.)

Objective:

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

Type: B.A.

Requirements:

Item #	Title	Semester Hours
	Health & Human Performance — Core Courses	18-21
HHP 324	Coaching and Officiating Sports	3
HHP 336	Leadership in Sports & Society	3
HHP 441	Social and Psychological Dimensions of Sport	3
HHP 430	Sports & Facility Mgmt	3
	Five Physical Education Activity Courses	2.5

Additional Requirements:

Item #	Title	Semester Hours
	MATH 121 or MATH 123 or MATH 151	3-4
	STAT 161, STAT 162, or STAT 163	4
CIMT 140	Introduction to Computers	3

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

Total credits: 60.5-64.5

Minor in Human Performance

A student may minor in human performance by completing six courses: 211, 220, 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.

Type: Minor

Minor in Sport Management

A student may minor in sport management by completing six courses: 211, 324, 336, 430, 441, and 470. In addition, minors must take five activity courses. Any substitution of courses in the minor must be approved by the department chair.

Type: Minor

History

Professors

Thomas J. Little, Chair

Matthew Shannon

Jack Wells

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 Hist to 1861	3
HIST 112	American Hist Since 1861	3

Once Course From:

Item #	Title	Semester Hours
HIST 105	The World to 1500	3
HIST 110	Modern World History	3
HIST 122	Modern Europe	3
Item #	Title	Semester Hours
HIST 205	Historical Methods	3

One Course From:

Item #	Title	Semester Hours
HIST 450	Seminar	3
HIST 470	Internship I	6
HIST 471	Internship II	6
HIST 490	Honors Project	3
HIST 491	Honors Project	3
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
ECON 152	Principles of Microeconomics	3
GEOG 111	Human Geography	3
GEOG 316X	Hist & Geog of VA & TN	3
GEOG 331	Geography of US & Canada	3
POLS 103	Politics of the United States	3
POLS 105	Introduction to International Relations	3
PSYC 102	Intro to Psy As Social Science	3
SOCI 101	Introduction to Sociology	3

Additional Requirements:

Item #	Title	Semester Hours
	MATH 121 or MATH 123 or MATH 151	3-4
	STAT 161, STAT 162, or STAT 163	4
Total credits:		55-57

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 (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.

Type: B.A.

Item #	Title	Semester Hours
HIST 205	Historical Methods	3

Three courses, including at least one U.S.

Survey from:

Item #	Title	Semester Hours
HIST 105	The World to 1500	3
HIST 110	Modern World History	3
HIST 111	American Hist to 1861	3
HIST 112	American Hist Since 1861	3
HIST 122	Modern Europe	3
HIST 123	America and the World	3

Two courses from:

Item #	Title	Semester Hours
HIST 210	Archaeology & Prehistory	3
HIST 220	Economic History (US)	3
HIST 232	Myth Magic Ritual-Ancient Wld	3
HIST 251	Perspectives in History	3
HIST 306	The Old South	3
HIST 307	Civil War & Reconstruction	3
HIST 309	Studies in U.S. Women's Hsty	3
HIST 310X	History of Christianity	3
HIST 316	Hist & Geog of VA & TN	3
HIST 318	Appalachia	3
HIST 319	Colonial & Revolutionary Ameri	3
HIST 320	Middle Period America	3
HIST 321	Ancient Greece	3
HIST 322	Ancient Rome	3
HIST 324	Medieval Europe	3
HIST 335	History of Race in the U.S.	3
HIST 340	History of England	3
HIST 350	Special Topics in History	3
HIST 352X	Jesus	3

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
HIST 460	Independent Study	3
HIST 470	Internship I	6
HIST 490	Honors Project	3

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
STAT 162	Intro Stats for Social Science	4
STAT 163	Intro Stats for Behavioral Sci	4
Total credits:		37-40

Interdisciplinary History and Integrative Social Sciences

Teacher Preparation

Elementary and Middle School PK-6, 6-8

Objective: To enable students to meet Virginia requirements for licensure to teach history and social science in the elementary and middle schools.

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.

Type: B.A.

Item #	Title	Semester Hours
	Requirements in Professional Studies	40
	ECON 151 or ECON 152 or HIST 222	3
ENGL 200	Reading & Writing About Literature	3
GEOG 111	Human Geography	3
HIST 111	American Hist to 1861	3
HIST 112	American Hist Since 1861	3
HIST 316	Hist & Geog of VA & TN	3
	One additional 200- or 300-level History course	3
POLS 103	Politics of the United States	3
	RELG 111 or RELG 131 or RELG 132 or RELG 200	3
ENGL 317	Lit for Children & Young Adults	3
	MATH 121 or MATH 123 or MATH 151	3-4
MATH 311	Fundamentals of Mathematics I	3
	STAT 161, STAT 162, or STAT 163	4
	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:		91-92

Interdisciplinary History and Integrative Social Sciences & Teacher Preparation – PK-6, 6-8

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

Type: B.A.

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
ECON 152	Principles of Microeconomics	3
HIST 220	Economic History (US)	3

HIST 111 Met as Modes of Inquiry Core Requirement.

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

Professional Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 310	Teach Read & the Language Arts	3
EDUC 340	Teaching of Math/Sci in Elem/ Ms	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 410	Practicum: Reading Problems	3
EDUC 420	Teaching in Elem/Middle	2
EDUC 421	Supv Teach in Elementary & Middle	10
EDUC 430	Elem/Middle Methods	3
EDUC 445	Foundations of Education	3

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
	STAT 161, STAT 162, or STAT 163	4
	BIOL 105 or BIOL 117	4
	CHEM 111 or ESCI 111 or ESCI4 201 or PHYS 100 or PHYS 101	3
	ART 111 or ART 241 or MUSC 318 or THRE 105	3
	Total credits:	82

Interdisciplinary History and Social Sciences & Teacher Preparation – Secondary 6-12

Objective:

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

Type: B.A.

Departmental Requirements

HIST 111 Met as Mode of Inquiry Core Requirement

Item #	Title	Semester Hours
HIST 105	The World to 1500	3
HIST 111	American Hist to 1861	3
HIST 112	American Hist Since 1861	3
HIST 122	Modern Europe	3
HIST 205	Historical Methods	3
POLS 103	Politics of the United States	3
POLS 105	Introduction to International Relations	3
POLS 202	State & Local Govt in US	3
POLS 217	Constitutional Interpretation	3
POLS 240	History of Political Philosophy	3
GEOG 111	Human Geography	3
GEOG 201X	Weather & Climate	3
GEOG 316X	Hist & Geog of VA & TN	3
GEOG 331	Geography of US & Canada	3
ECON 151	Principles of Microeconomics	3
ECON 152	Principles of Microeconomics	3

One Course From:

Required only if in 5 Year Education Program

Item #	Title	Semester Hours
HIST 450	Seminar	3
HIST 470	Internship I	6
HIST 490	Honors Project	3

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
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3

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 123 or MATH 151	3-4
	STAT 161 or STAT 162 or STAT 163	4

Licensure Requirements – Recommended

One Course From:

Item #	Title	Semester Hours
HHP 231	Personal Health	3
HHP 232	School and Community Health	3
HHP 251	Safety Education	3
Total credits:		92.5-93.5

Minor in History

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

Type: Minor

Minor in History With Emphasis in African-American Studies

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.

Type: Minor

International Studies

Professors

Krystin Krause, Program Director

Sarah Fisher

International Studies (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.

Type: B.A.

Requirements

Item #	Title	Semester Hours
INST 105X	Introduction to International Relations	3
INST 223X	International Political Econom	3
INST 215X	Introduction to Comparative Politics	3

Six Courses From:

Item #	Title	Semester Hours
GEOG 245	Geography of the Middle East	3
POLS 314	National and International Security	3
POLS 337	Women in Politics	3
INST 450	Capstone Seminar	3

Additional Requirements:

Item #	Title	Semester Hours
	STAT 161, STAT 162, or STAT 163	4
	Foreign Language	12
	Total credits:	46

International Studies and Business (B.S.)

For the objectives and requirements of this track, see the listing in the Department of Business Administration.

Type: B.S.

Total credits:	0
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Mass Communications

Professors

Tracy Lauder, Chair

Mass Communications (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.

Type: B.A.

Requirements

Item #	Title	Semester Hours
MCOM 101	Mass Media and Society	3
MCOM 202	Writing, Reporting & Editing I	4
MCOM 204	Beginning Publication & Design	3
MCOM 210	Electronic Media Production	3
MCOM 302	Writing, Report & Editing II	3
MCOM 390	Persuasive Communication	3
MCOM 451	Media Law & Ethics	3

One Course From:

Item #	Title	Semester Hours
MCOM 470	Internship I	2-6
MCOM 471	Internship II	2-6
MCOM 480	Senior Project	3

Item #	Title	Semester Hours
	Complete two courses from: MCOM 250, 262, 263, 271X, 301, 320, 321X, 404, 410, 420, 430	6

Item #	Title	Semester Hours
STAT 162	Intro Stats for Social Science	4
	Minor or Contextual Support Area	18
	Total credits:	53

Minor in Mass Communications

Type: Minor

Item #	Title	Semester Hours
MCOM 101	Mass Media and Society	3
MCOM 202	Writing, Reporting & Editing I	4
MCOM 210	Electronic Media Production	3
MCOM 390	Persuasive Communication	3
MCOM 451	Media Law & Ethics	3
One Additional Course Other than 470, 471, or 480		
Total credits:		19

Minor in Visual Communications

Type: Minor

Item #	Title	Semester Hours
MCOM 101	Mass Media and Society	3
MCOM 210	Electronic Media Production	3
MCOM 204	Beginning Publication & Design	3
MCOM 390	Persuasive Communication	3
MCOM 404	Advanced Publication Design	3
MCOM 451	Media Law & Ethics	3
Total credits:		18

Mathematics

Professors

Xiaoxue Li, Chair

John Iskra

Christina C. Carroll

Crystal Hall

Interdisciplinary Mathematics & Teacher Preparation – PK-6, 6-8 (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.

Type: B.A.

Requirements

Item #	Title	Semester Hours
MATH 123	Pre-Calculus	3
MATH 151	Calculus I	4
MATH 161X	Introduction to Statistics	4
MATH 201	Intro. to Mathematical Reasoning	3
MATH 340	Geometry	3
MATH 420	History of Math	3
PHYS 100	Conceptual Physics	4

Professional Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 310	Teach Read & the Language Arts	3
EDUC 340	Teaching of Math/Sci in Elem/ Ms	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 410	Practicum: Reading Problems	3
EDUC 420	Teaching in Elem/Middle	2
EDUC 421	Supv Teach in Elementary & Middle	10
EDUC 430	Elem/Middle Methods	3
EDUC 445	Foundations of Education	3

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
ENGL 317	Lit for Children & Young Adults	3
ENGL 333	Linguistics	3
MATH 311	Fundamentals of Mathematics I	3
HIST 111	American Hist to 1861	3
HIST 112	American Hist Since 1861	3
HIST 122	Modern Europe	3
POLS 103	Politics of the United States	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
	ECON 151 or ECON 152	3
	CHEM 111 or ESCI 111 or ESCI4 201 or PHYS 100 or PHYS 101	
Total credits:		105

Interdisciplinary Mathematics (B.A.)

Teacher Preparation

Elementary and Middle School PK-6, 6-8 Objective: To offer an interdisciplinary program of study with a broad foundation in mathematics and to enable students to meet Virginia requirements for licensure to teach in the elementary and middle schools.

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

Student teaching is the senior project.

Type: B.A.

Item #	Title	Semester Hours
	Requirements in Professional Studies	40
MATH 123	Pre-Calculus	3
MATH 151	Calculus I	4
MATH 161X	Introduction to Statistics	4
MATH 201	Intro. to Mathematical Reasoning	3
MATH 340	Geometry	3
MATH 420	History of Math	3
PHYS 100	Conceptual Physics	4
	RELG 111 or RELG 131 or RELG or 132 or RELG 200	3
ENGL 200	Reading & Writing About Literature	3
ENGL 317	Lit for Children & Young Adults	3
ENGL 333	Linguistics	3
MATH 311	Fundamentals of Mathematics I	3
HIST 111	American Hist to 1861	3
HIST 112	American Hist Since 1861	3
HIST 122	Modern Europe	3
POLS 103	Politics of the United States	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
	ECON 151 or ECON 152	3
	Total credits:	104

Mathematics (B.A. or B.S.)

Objectives:

To offer a broad foundation in theoretical 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.

Type: B.A. or B.S.

Item #	Title	Semester Hours
MATH 151	Calculus I	4
MATH 152	Calculus II	4
MATH 201	Intro. to Mathematical Reasoning	3
MATH 253	Calculus III	4
MATH 321	Linear Algebra	3
MATH 421	Modern Algebra	3
MATH 451	Real Variable Theory	3
	Three additional courses at or above the 200 level	9-15

Recommended

Item #	Title	Semester Hours
PHYS 201	General Physics I	4
	Total credits:	33-39

Mathematics – Teacher Preparation

– Secondary 6-12 (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.

Type: B.A. or B.S.

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
MATH 152	Calculus II	4
MATH 201	Intro. to Mathematical Reasoning	3
MATH 253	Calculus III	4
MATH 312	Fundamentals of Mathematics II	3
MATH 321	Linear Algebra	3
MATH 340	Geometry	3
	MATH 360 or STAT 161	3-4
MATH 370	Discrete Structures	3
MATH 420	History of Math	3
MATH 421	Modern Algebra	3

Recommended

Item #	Title	Semester Hours
MATH 451	Real Variable Theory	3

Licensure Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3

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, HHP 232, or HHP 251	3
Total credits:		77-78

Minor in Mathematics

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.

Type: Minor

Total credits: 0

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/

E&H Professors

Michelle Bell

The military science program is a cooperative enterprise between among 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 of leadership 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
MSCI 1217	Physical Fitness - Basic	1
MSCI 1217	Physical Fitness - Basic	1
MSCI 1217	Physical Fitness - Basic	1
MSCI 1210	Leadership/Personal Development	1
MSCI 1180	Leadership & Personal Development	1
MSCI 1220	Introduction to Tactical Leadership	1
MSCI 1181	Tactical Leadership	1
MSCI 2110	Innovative Team Leadership	2
MSCI 2150	Military Skills I	2
MSCI 3217	Physical Fitness - Instructor	1
MSCI 3217	Physical Fitness - Instructor	1
MSCI 3217	Physical Fitness - Instructor	1
MSCI 3217	Physical Fitness - Instructor	1
MSCI 3110	Adaptive Tactical Leadership	3
MSCI 3120	Leadership in a Changing Environment	3
MSCI 4110	Developing Adaptive Leaders	3
MSCI 4120	Leadership in a Complex World	3
MSCI 4582	Military History	3
MSCI 4580	Leadership Development and Assessment	6
Total credits:		37

Military Science Program Minor – Commissioning Option

Type: Minor

Item #	Title	Semester Hours
MSCI 3110	Adaptive Tactical Leadership	3
MSCI 3120	Leadership in a Changing Environment	3
MSCI 4110	Developing Adaptive Leaders	3
MSCI 4120	Leadership in a Complex World	3
MSCI 4582	Military History	3
MSCI 4580	Leadership Development and Assessment	6
MSCI 3217	Physical Fitness - Instructor	1
MSCI 3217	Physical Fitness - Instructor	1
MSCI 3217	Physical Fitness - Instructor	1
MSCI 3217	Physical Fitness - Instructor	1
Total credits:		25

Military Science Program Minor – Non-Commissioning Option

Type: Minor

Item #	Title	Semester Hours
MSCI 3110	Adaptive Tactical Leadership	3
MSCI 3120	Leadership in a Changing Environment	3
MSCI 4110	Developing Adaptive Leaders	3
MSCI 4120	Leadership in a Complex World	3

Two Courses From:

Item #	Title	Semester Hours
MSCI 4580	Leadership Development and Assessment	6
POLS 105	Introduction to International Relations	3
POLS 314	National and International Security	3
HIST 110	Modern World History	3
HIST 364	World Wars	3
GEOG 111	Human Geography	3
GEOG 245	Geography of the Middle East	3
Total credits:		18

Military Science Two-Year Program Course Sequence

Item #	Title	Semester Hours
MSCI 2580	Leadership Training Course	6
MSCI 3217	Physical Fitness - Instructor	1
MSCI 3217	Physical Fitness - Instructor	1
MSCI 3217	Physical Fitness - Instructor	1
MSCI 3217	Physical Fitness - Instructor	1
MSCI 3110	Adaptive Tactical Leadership	3
MSCI 3120	Leadership in a Changing Environment	3
MSCI 4110	Developing Adaptive Leaders	3
MSCI 4120	Leadership in a Complex World	3
MSCI 4582	Military History	3
MSCI 4580	Leadership Development and Assessment	6
Total credits:		31

Music

Professors

Lisa Withers, Chair

Matthew D. Frederick

Michelle Bell

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 (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.

Type: B.A.

Requirements

Item #	Title	Semester Hours
	Music — Core Courses	22
MUSC 401	20th & 21st Century Music	3

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-Teacher Preparation-Grades PK-12 Choral/Vocal (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.

Type: B.A.

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
MUSC 225	Intro to Music Education	3
MUSC 226	Elementary Music Methods	2
MUSC 303	Conducting I	2
MUSC 304	Conducting II - Choral Methods	2
MUSC 320	Vocal Pedagogy	2
MUSC 325	Junior Recital	0
	Primary Instrument	6
	Secondary Instrument	3
	Ensemble	4

Additional Requirement:

Item #	Title	Semester Hours
	MATH 120 or higher	3

Licensure Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 324	Assessing for Learning	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3

Licensure Requirements – Additional Requirements:

Item #	Title	Semester Hours
	HIST 111 or HIST 112	3
	Laboratory Science (4)	4
STAT 161	Introduction to Statistics	4

Licensure Requirements – Recommended

One Course From:

Item #	Title	Semester Hours
HHP 231	Personal Health	3
HHP 232	School and Community Health	3
HHP 251	Safety Education	3
Total credits:		52

Music – Performance (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.

Type: B.A.

Requirements

Item #	Title	Semester Hours
	Music — Core Courses	22
MUSC 325	Junior Recital	0
MUSC 401	20th & 21st Century Music	3
MUSC 425	Senior Recital	0
MUSC 320	Vocal Pedagogy	2
	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
MUSC 317	Collaborative Piano in Context	1
MUSC 319	Piano Pedagogy	1

For Voice Performance Area

Item #	Title	Semester Hours
MUSC 203	Lyric Diction	3
MUSP 240	Opera Workshop	4
MUSC 310	Literature for Voice With Piano	1

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 — Teacher Preparation — Grades PK-12 Instrumental (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.

Type: B.A.

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
MUSC 226	Elementary Music Methods	2
MUSC 303	Conducting I	2
MUSC 305	Conducting li-Instrumental Met	2
MUSC 325	Junior Recital	0
MUSP 101	Brass Methods	1
MUSP 102	Woodwind Methods	1
MUSP 103	Percussion Methods	1
MUSP 104	Strings Methods	1
	Primary Instrument	6
	Secondary Instrument	3
	Ensemble	4

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
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 324	Assessing for Learning	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3

Licensure Requirements – Additional Requirements

Item #	Title	Semester Hours
	HIST 111 or HIST 112	3
	Laboratory Science (4)	4
STAT 161	Introduction to Statistics	4

Licensure Requirements – Recommended One Course From:

Item #	Title	Semester Hours
HHP 231	Personal Health	3
HHP 232	School and Community Health	3
HHP 251	Safety Education	3

For Middle School Endorsement

Item #	Title	Semester Hours
EDUC 401	Practicum in Education	2
Total credits:		51

Minor in Music

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
MUSC 153	Aural Skills I	1
MUSC 162	Music Theory II	3
MUSC 163	Aural Skills II	1
MUSC 301	Music History I	3
MUSC 302	Music History II	3
Total credits:		22

Nursing

Professors

Sandra Farmer, Director

RN-BSN Nursing Program

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 their 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 College 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 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 College 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

Upon completion of the RN to BSN program, graduates will utilize critical thinking and decision-making to:

1. Synthesize knowledge derived from liberal arts, nursing, science, and life experience to provide professional nursing care.
2. Establish evolving independent and collaborative nursing interventions grounded on a holistic, patient centered assessment, goals, resources, and anticipated outcomes.
3. Utilize therapeutic communication skills with culturally diverse patients and populations.
4. Assimilate ethical, legal, and professional nursing standards based on a holistic perspective into own professional nursing practice.
5. Adopt accountability and responsibility for professional personal development and continual evaluation of efficacy of own nursing clinical practice.
6. Provide enhancement of excellence in health care and nursing practices in varied health care settings.
7. Assess findings of research for application and significance to professional nursing practice.
8. Convey therapeutically and effectively through varied mediums; promoting interactions with patients and populations in addition to building collaborative and interdisciplinary relationships with providers of health care.

Successful completion of the RN to BSN program enables nursing graduates to be prepared to practice in various settings, such as hospitals, private practices, and community. Students will be prepared to achieve leadership and management positions within their professional practice. The AACN Essentials of Baccalaureate Education for Professional Practice (AACN, 2008) guides the program outcomes and consist of:

1. Liberal Education for Baccalaureate Generalist Nursing Practice.
2. Basic Organizational and Systems Leadership for Quality Care and Patient Safety.
3. Scholarship for Evidence-Based Practice.
4. Information Management and Application of Patient Care Technology.
5. Healthcare Policy, Finance and Regulatory Environments.
6. Interprofessional Communication and Collaboration for Improving Patient Health Outcomes.
7. Clinical Prevention and Population Health.
8. Professionalism and Professional Values.
9. Baccalaureate Generalist Nursing Practice

Admission Requirements:

Students must apply and receive acceptance into E&H and the Post-Licensure RN to BSN program.

- Completion of an ACEN accredited Associate Degree of Nursing program or Diploma program from a regionally accredited institution ..
- Hold a current unencumbered RN license in the state which they practice.
- Submit official transcripts from all colleges or universities attended.
- Minimum cumulative GPA of 2.33 or higher
- Criminal background check. To be completed upon acceptance to the RN to BSN program.
- AHA BLS for Healthcare Providers Certification prior to starting any clinical components of the program.

RN to BSN Graduation Requirements

Academic graduation requirements include the following:

1. Completion of 124 semester hours and all required courses. Students must successfully complete both the general education and required nursing courses. Elective hours make up the remaining hours needed to graduate.
2. Grade of C or better in all nursing courses.
3. A cumulative grade point average of 2.33 or higher for all courses taken at Emory & Henry College.

Progression, Retention, Dismissal

- Students must maintain a minimum grade of "C" in all nursing and required courses. If a student receives a "D" or "F" in a nursing or required class, they must re-take that class before progressing in the program. If a student fails a nursing class, they must submit a letter requesting readmission to the Admission and Progression Committee.
- The letter for readmission should include:
 - Reasons which resulted in being unsuccessful in the course.
 - Intended date for taking failed course
 - Intended date for readmission to the nursing program.
- If a student fails two nursing courses, they will be dismissed from the nursing program.

Practical Standards for Admission, Progression, and Graduation

The goal of the Emory & Henry College RN to BSN Nursing program is to enable every student to prepare to critically think and be competent and compassionate nurses in a changing healthcare environment. The endeavors of the RN to BSN program are to enhance

nursing knowledge, practice, and professional integrity to develop improved health outcomes for patients, families, and communities in the continuum of care.

The student must be independently able to meet the practical standards of essential attributes of (1) physical attributes; (2) intellectual attributes; (3) interpersonal attributes; and (4) performance attributes. If the student is unable to meet these practical standards, with or without reasonable accommodation, the student will be unable to complete the program and will be advised/counseled accordingly.

Physical Attributes

The student should possess functional use of the senses of vision, hearing, smell and touch. This will allow students the ability to integrate, analyze, and synthesize patient data in a reliable and precise manner. Students need to have the ability to recognize pain, pressure, position, temperature, movement, and vibration to gather information to formulate plans of care and to evaluate patient status. A student must have motor skills to respond immediately to situations of urgency in order to provide rapid care to patients.

Intellectual Attributes

The student must be able to learn and assimilate knowledge gained through modalities of didactic lectures, clinical encounters, and life experiences. Students are required to gather subjective and objective data, analyze data, plan appropriate nursing care and interventions, and evaluate patient outcomes using thorough deliberation and sound clinical judgment.

Interpersonal Attributes

The nurse must possess empathy, compassion, enthusiasm, integrity, genuine concern for others, and effective interpersonal skills essential for the profession of nursing. The nurse must be able to develop rapport and maintain interpersonal relationships with diverse patients, families, and communities with varied cultural, emotional, intellectual, religious, and social backgrounds. To be effective, the student must demonstrate ability to adapt to change; be flexible; acknowledge and assimilate constructive criticism in the classroom and clinical settings; and communicate effectively with other healthcare professionals; and to perform duties cooperatively and proficiently in the face of ambiguities characteristic in clinical practice.

Performance Attributes

The rigors of performance of the student is to be maintained of the college, the School of Health Sciences, clinical agencies, and the nursing program to enhance the reputation of the nursing program, School of Health Sciences and college at large. The student

must demonstrate the ability to acclimate and effectively function in stressful situations in the classroom and clinical environments. The student must be self-aware of multiple stressors encountered during the nursing program and initiate pro-active responses for self-care and stress management.

Post-Licensure RN to BSN Program

Requirements

Item #	Title	Semester Hours
NURS 200	Global Issues in Healthcare	2
NURS 201	Cultural Concepts in Healthcar	2
NURS 300	Nursing Ethics	3
NURS 400	Pathophysiology	3
NURS 401	Informatics & Technology	3
NURS 402	Informatics & Technology	3
NURS 403	Evidence-Based Practice and Research in Nursing	3
NURS 404	Leadership & Management in Nursing	5
NURS 405	Healthcare Policy & Finance	3
NURS 406	Population & Community Nursing	5
NURS 407	RN to BSN Practicum	4

Contextual and Support Courses

Item #	Title	Semester Hours
STAT 163	Intro Stats for Behavioral Sci	4
SPAN 105	Medical & Healthcare Spanish I	3
SPAN 106	Medical & Healthcare Spanish II	3
BIOL 120	Intergrated Anatomy & Physiology I	4
BIOL 121	Integrated Human Anatomy & Physiology II	4
BIOL 123	Biological Anthropology	4
	100 and 200 Level Nursing Courses	39
Total credits:		97

Peace & Social Justice Studies

Travis Proffitt, Program Advisor

Peace & Social Justice Studies Minor

Type: Minor

Minor Requirements:

Item #	Title	Semester Hours
PJST 100	Introduction to Peace & Social Justice	3

PJST 200 or 205

Item #	Title	Semester Hours
PJST 200	Nonviolence and Conflict Resolution	3
PJST 205	Peacebuilding Multicultural World	3

CVIN 200 or 205

Item #	Title	Semester Hours
CVIN 200	Public Movements, Social Chang	3
CVIN 205	Skills Sem: Alliances for Innovation	4

SOCI 221, 241 or PHIL 215

Item #	Title	Semester Hours
SOCI 221	Cultures and Peoples	3
PHIL 341	Contemp. Problems of Justice	3
PJST 400	Capstone Internship and Semina	3
Total credits:		18-19

Philosophy

Philosophy (B.A.)

Objectives

To engage students in critical and reflective inquiry; to prepare students for graduate study or for a number of vocational fields.

Type: B.A.

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
	PHIL 201 or PHIL 221	3
PHIL 211	Hist of Ancient & Medieval Philosophy	3
PHIL 212	History of Modern Philosophy	3
PHIL 231	Techniques of Reasoning	3
PHIL 314	20th Century Philosophy	3
	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

Philosophy, Political Science, and Economics

Professors

Sarah Fisher, Program Director

Deborah Spencer

Ben H. Letson

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

Minor in Political Science

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
POLS 105	Introduction to International Relations	3
POLS 215	Intro. to Comparative Politics	3
POLS 240	History of Political Philosophy	3
Total credits:		12

Philosophy, Political Science, and Economics (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.

Type: B.A.

Requirements

Item #	Title	Semester Hours
ECON 151	Principles of Microeconomics	3
ECON 152	Principles of Microeconomics	3
PHIL 201	Ethics	3
PHIL 341	Contemp. Problems of Justice	3
POLS 217	Constitutional Interpretation	3
POLS 240	History of Political Philosophy	3
PPE 450	Seminar in Philosophy, Political Science, and Economics	1

One Course From:

Item #	Title	Semester Hours
ECON 225	History of Economic Thought	3
ECON 260	Law & Economics	3
ECON 262	Environmental & Natural Resource Econ	3
ECON 330	Labor Economics	3

One Course From:

Item #	Title	Semester Hours
PHIL 211	Hist of Ancient & Medieval Philosophy	3
PHIL 212	History of Modern Philosophy	3
PHIL 231	Techniques of Reasoning	3
PHIL 335	Philosophy of Religion	3

One Course From:

Item #	Title	Semester Hours
POLS 105	Introduction to International Relations	3
POLS 223	International Political Economy	3
POLS 343	Studies in American Political Development	3
SOCI 334	Social Theory	3

One Course From:

Item #	Title	Semester Hours
ECON 460	Independent Study	4
ECON 490	Honors Thesis I	3
PHIL 460	Independent Study	4
PHIL 480	Senior Project	3
POLS 460	Independent Study	4
POLS 490	Honors Thesis I	3

Additional Requirements:

Item #	Title	Semester Hours
MATH 121	College Algebra	3
STAT 162	Intro Stats for Social Science	4
Total credits:		36-39

Political Science (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.

Type: B.A.

Requirements

Item #	Title	Semester Hours
POLS 103	Politics of the United States	3
POLS 105	Introduction to International Relations	3
POLS 215	Intro. to Comparative Politics	3
POLS 240	History of Political Philosophy	3
POLS 450	Seminar: Problems in Politics	3

Five Additional Courses in Political Science

At least two of the elective courses must be 300-level courses with a primary listing in POLS that count for Written Communication (WC) proficiency credit. 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.

The preferred Quantitative Literacy (QL) proficiency course for all political science majors is Political Science 330X/ Sociology 330.

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

Item #	Title	Semester Hours
	STAT 161, STAT 162, or STAT 163	4
SOSS 200	Introduction Research Methods	4
Total credits:		38

Political Science – Law and Politics (B.A.)

Type: B.A.

Requirements

Item #	Title	Semester Hours
POLS 103	Politics of the United States	3

One Course From:

Item #	Title	Semester Hours
POLS 105	Introduction to International Relations	3
POLS 215	Intro. to Comparative Politics	3

One Course From:

Item #	Title	Semester Hours
POLS 117	Law and Society	3
POLS 217	Constitutional Interpretation	3
POLS 240	History of Political Philosophy	3

One Course From:

Item #	Title	Semester Hours
POLS 317	Civil Rights and Liberties	3
POLS 400	Moot Court	3
POLS 450	Seminar: Problems in Politics	3
POLS 470	Internship I	2-6

Two Additional Courses in Political Science

Must count for Written Communication (WC) proficiency credit

The preferred Quantitative Literacy (QL) proficiency course for all political science majors is Political Science 330X/ Sociology 330.

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

Item #	Title	Semester Hours
	STAT 161, STAT 162, or STAT 163	4
SOSS 200	Introduction Research Methods	4
Total credits:		37-41

Physics

Professors

Danielle Morel, Chair

Charles Fay

Physics (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.

Type: B.A.

Requirements

Item #	Title	Semester Hours
PHYS 201	General Physics I	4
PHYS 202	General Physics II	4
PHYS 311	Modern Physics	4

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	3-4
PHYS 470	Internship I	3-6

Additional Requirements:

Item #	Title	Semester Hours
MATH 151	Calculus I	4
MATH 152	Calculus II	4
MATH 253	Calculus III	4
MATH 353	Differential Equations	3
Total credits:		45-53

Physics Teacher Preparation – 6-12

Secondary

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.

Type: B.A. or B.S.

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
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth & Development	3
EDUC 324	Assessing for Learning	3
EDUC 351	Fundamentals Science/Lab Pedagogy	2
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3

One Course From:

Item #	Title	Semester Hours
HIST 111	American Hist to 1861	3
HIST 112	American Hist Since 1861	3

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

Recommended One Course From:

Item #	Title	Semester Hours
HHP 231	Personal Health	3
HHP 232	School and Community Health	3
HHP 251	Safety Education	3
Total credits:		50

Physics (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.

Type: B.S.

Requirements

Item #	Title	Semester Hours
PHYS 201	General Physics I	4
PHYS 202	General Physics II	4
PHYS 311	Modern Physics	4
PHYS 321	Intermediate Mechanics	3
PHYS 411	Electromagnetic Theory	3
PHYS 421	Quantum Mechanics	3

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
MATH 152	Calculus II	4
MATH 253	Calculus III	4
MATH 353	Differential Equations	3
MATH 321	Linear Algebra	3

Contextual and Support Courses

Item #	Title	Semester Hours
CHEM 111	General Chemistry I	4
CHEM 111L	General Chemistry I Lab	0
CHEM 112	General Chemistry II	4
CHEM 112L	General Chemistry II Lab	0
CHEM 312	Physical Chemistry I	3

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: 68-74

Minor in Physics

Type: Minor

Item #	Title	Semester Hours
PHYS 201	General Physics I	4
PHYS 202	General Physics II	4
PHYS 311	Modern Physics	4

Two Additional Courses, Both of Which Must Be at the 300 or 400 Level

Total credits: 18

Psychology

Professors

A. Celeste Gaia, Chair

Kimberly Baranowsky

R. Christopher Qualls

Psychology (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.

Type: B.A.

Psychology Core

Item #	Title	Semester Hours
	Psychology — Core Courses	27-33
PSYC 321	Abnormal Psychology	3

One Course From:

Item #	Title	Semester Hours
PSYC 316	Physiology Psychology	4
PSYC 318	Health Psychology	4
PSYC 320	Learning & Cognition	4

Additional Requirements

Cannot include MATH 161X

Item #	Title	Semester Hours
	MATH 121 or Higher	3
	STAT 161, STAT 162, or STAT 163	4
Total credits:		41-47

Psychology (B.S.)

Objective:

To provide a specialized program for students interested in aspects of psychology that relate to the natural sciences.

Type: B.S.

Psychology Core

Item #	Title	Semester Hours
	Psychology — Core Courses	27-33

Two Courses From:

Item #	Title	Semester Hours
PSYC 316	Physiology Psychology	4
PSYC 318	Health Psychology	4
PSYC 320	Learning & Cognition	4

Additional Requirements

Item #	Title	Semester Hours
MATH 151	Calculus I	4
MATH 152	Calculus II	4
	STAT 161, STAT 162, or STAT 163	4
	Contextual and Support Area OR Minor	18-20

Total credits: 65-73

Minor in Psychology

Type: Minor

Item #	Title	Semester Hours
PSYC 101	Intro to Psy As a Natural Science	4
PSYC 102	Intro to Psy As Social Science	3
PSYC 211	Research Design in Psychology	4

Two Additional Courses

In consultation with the department.

Statistics

Item #	Title	Semester Hours
	STAT 161, STAT 162, or STAT 163	4
Total credits:		21

Religion & Philosophy

Professors

Joseph T. Reiff, Chair

James M. Dawsey

Adam Wells

Ben Letson

Religion (B.A.)

Objective:

To investigate religious thought and action within a balanced context of approaches, utilizing biblical, theological, literary, and historical insights.

Majors cannot count both 111 and 200 toward completion of the major.

The senior project is fulfilled through successful completion of 480 or 490, required of all majors in their senior year.

Type: B.A.

Two Courses From:

Item #	Title	Semester Hours
RELG 101	Introduction Religious Studies	3
RELG 130	Introduction to the Bible	3
RELG 131	Old Testament Survey	3
RELG 132	New Testament Survey	3

Two Courses From:

Item #	Title	Semester Hours
RELG 111	World Religions	3
RELG 213	Comparative Theology	3

One Course From:

Item #	Title	Semester Hours
RELG 310	History of Christianity	3
RELG 356	Women and Christianity	3

Once Course From:

Item #	Title	Semester Hours
PHIL 201	Ethics	3
PHIL 221	Health Care Ethics	3

One Course From:

Item #	Title	Semester Hours
RELG 480	Senior Project	3
RELG 490	Honors Thesis I	3
RELG 491	Honors Thesis II	3

Two Additional Courses in Religion from 200, 300 or 400 Level

Additional Requirement

Item #	Title	Semester Hours
	MATH 120 or above, OR STAT 161, STAT 162 or STAT 163	3-4
Total credits:		30-31

Minor in Religion

Type: Minor

RELG 101 or 111

Item #	Title	Semester Hours
RELG 101	Introduction Religious Studies	3
RELG 111	World Religions	3

RELG 130, 131, or 132

Item #	Title	Semester Hours
RELG 130	Introduction to the Bible	3
RELG 131	Old Testament Survey	3
RELG 132	New Testament Survey	3

RELG 213, 314, or PHIL 305

Item #	Title	Semester Hours
RELG 213	Comparative Theology	3

RELG 310 or 356

Item #	Title	Semester Hours
RELG 310	History of Christianity	3
RELG 356	Women and Christianity	3

Two Religion Electives

Two electives from the department selected in consultation with the department chair.

Total credits:	18
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Social Science

Applied Data Analysis 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
SOSS 301	Qualitative Research Methods	4
SOSS 302	Quantitative Research Methods	4
SOSS 450	Advanced Project I	3
SOSS 451	Advanced Projects II	3
	STAT 161, STAT 162, or STAT 163	4
Total credits:		22

Sociology

Professors

Shelley Koch, Chair

Amy Sorensen

Sociology (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.

Type: B.A.

Item #	Title	Semester Hours
	Sociology — Core Courses	25
	Five Courses in Sociology	15
	Sociology Minor	18
Total credits:		58

Sociology – Inequality (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.

Type: B.A.

Item #	Title	Semester Hours
	Sociology — Core Courses	25
SOCI 221	Cultures and Peoples	3
SOCI 242	Gender and Sexuality	3
SOCI 250	Food and Justice	3
SOCI 251	Body in Society	3
SOCI 270	Race & Ethnicity	3
Total credits:		40

Sociology – Health and Human Services (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.

Type: B.A.

Requirements

Item #	Title	Semester Hours
	Sociology — Core Courses	25
SOCI 230	Environmental Sociology	3
SOCI 252	Sociology of Health	3
PHIL 221	Health Care Ethics	3
	Total credits:	34

Sociology Minor

Type: Minor

Item #	Title	Semester Hours
	Sociology Minor	18
	Total credits:	18

Theatre

Professors

Kelly Bremner, Chair

Rachel Black

Kevin Dudley

Rachael Swartz

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 (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.

Type: B.A.

Requirements

Item #	Title	Semester Hours
	Theatre — Core Courses	29
	Theatre Electives (14)	14
	Total credits:	43

Theatre (B.A.) – Dance

Objectives

To provide the basis for a lifetime appreciation of dance and/or for a professional or educational vocation in dance.

Type: B.A.

Requirements

Item #	Title	Semester Hours
	Theatre — Core Courses	29
	Dance — Core Courses	18
	Additional Dance Technique	4
	Total credits:	51

Theatre (B.F.A.) – Musical Theatre

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 an 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.

Type: B.F.A.

Item #	Title	Semester Hours
	Theatre — Core Courses	29
THRE 111	Musical Theatre Class Voice	1
THRE 112	Keyboarding Skills for Actors	2
THRE 206	Acting II	3
	THRE 211 or THRE 411	6
	THRE 216 or THRE 416	1
	THRE 217 or THRE 417	1
	THRE 218 or THRE 418	1
	THRE 219 or THRE 419	1
	Additional Dance Technique Elective (1)	1
THRE 237	Music Skills for Musical Theatre	3
THRE 245	Voice for the Stage	3
THRE 282	Barter Observationship	1
THRE 335	Musical Theatre	3
THRE 336	Musical Theatre History	3
	Two Additional Credits of THRE 2401-404	2
	Two Additional Credits of THRE 2480	2
	Total credits:	63

Theatre Arts (B.F.A.) – Directing and Stage Management

Type: B.F.A.

Requirements

Item #	Title	Semester Hours
	Theatre B.F.A. Core Courses	47
THRE 272	Stage Management	3
THRE 314	Principles of Play Directing	3
THRE 415	The Business of Theatre	3
THRE 404	Theatre Practicum - Leadership	3
	Performance Elective (3)	3
	Production and Design Elective	3
	Theatre Electives (1)	1
	Total credits:	66

Theatre Arts (B.F.A.) – Performance

Type: B.F.A.

Requirements

Item #	Title	Semester Hours
	Theatre B.F.A. Core Courses	47
THRE 206	Acting II	3
THRE 245	Voice for the Stage	3
THRE 305	Acting III	3
	Performance Elective (6)	6
	Theatre Electives (1)	1
	Total credits:	63

Theatre Arts (B.F.A.) – Production and Design

Type: B.F.A.

Requirements

Item #	Title	Semester Hours
	Theatre B.F.A. Core Courses	47
THRE 209	Drafting & 3D Design for Theatre	3
THRE 404	Theatre Practicum - Leadership	3
	Production and Design Electives (9)	9
	Theatre Electives (1)	1
	Total credits:	63

Minor in Theatre

Type: Minor

Requirements

Item #	Title	Semester Hours
	THRE 401-404 Theatre Practicum	3
	Theatre Electives (15)	15
	Total credits:	18

Minor in Theatre – Dance

Type: Minor

Item #	Title	Semester Hours
	Dance — Core Courses	18
	Total credits:	18

Women and Gender Studies

Co-Directors

Kelly Bremner

Christine M. Fleet

Shelley Koch

Women and Gender Studies 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.

Type: Minor

Requirements

Item #	Title	Semester Hours
WGST 200	Intro. to Women and Gender Stu	3

Courses

Animal Science

Patricia Graham-Thiers, Program Advisor

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 250X	Women and Media	3
WGST 300X	Race, Class, Gender & Sexuality	3
WGST 309X	Studies in U.S. Women's History	3
WGST 337X	Women and Politics	3
WGST 350	Special Topics in Women & Gender Studies	3
WGST 356X	Women and Christianity	3
WGST 460	Independent Study	3
WGST 470	Internship I	6
WGST 471	Internship II	6
BIOL 300	Genetics	4
ECON 330	Labor Economics	3
GEOG 111	Human Geography	3
HHP 201	Women, Sport, and Culture	3
SOCI 250	Food and Justice	3
SOCI 251	Body in Society	3
THRE 322	American Theatre	3
	Total credits:	18

ANSC 100: Intro 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. 4 credit hours. (lecture and lab)

Semester Hours: 4

Lab Hours: 4

Lecture Hours: 4

ANSC 200: Domestic Animal Anatomy-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. 4 credit hours. (lecture and lab)

Semester Hours: 4

Lab Hours: 4

Lecture Hours: 4

Prerequisites:

ANSC 100

ANSC 300: Animal Nutrition & 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. 4 credit hours.(lecture and lab)

Semester Hours: 4

Lab Hours: 4

Lecture Hours: 4

Prerequisites:

ANSC 100

ANSC 301: Animal Breeding & 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. 4 credits.(lecture and lab)

Semester Hours: 4

Lab Hours: 4

Lecture Hours: 4

Prerequisites:

ANSC 100

ANSC 400: Animal Health & 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

Prerequisites:

ANSC 100

ANSC 470: Animal Science Internship

Students will complete required internship hours shadowing in both large animal and small animal veterinary practices.

Semester Hours: 3

Prerequisites:

ANSC 100

Art

Professors

Charles W. Goolsby Dan Van Tassell

Mission

The Art department at Emory & Henry College 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, analyze and understand works of art in a variety of forms.

ART 111: Introduction to Art & 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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

ART 112: Three-Dimensional Design

Emphasis on three-dimensional experiences and expression. Art examples selected from representative historical periods integrated with laboratory experiences. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

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

Prerequisites:

ART 151

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

ART 210: Visual Arts Computing

Use of personal computers and discipline-related software as aids in visual design. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

ART 215: Web Design

Visual design, navigation development, communication and authoring of websites. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

ART 231: Ceramics I

Exploration of hand-building and introduction to wheel-throwing processes involved in producing pottery; working knowledge of firing, glazing, and throwing techniques. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

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, studio practices.

Semester Hours: 3

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 towards future work and studies in the field of museums.

Semester Hours: 3

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

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

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

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts. This course satisfies the Emory Abroad requirement.

Semester Hours: 3

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

Prerequisites:

ART 231

ART 345: Printmaking I

Relief and intaglio processes and history. Experimentation with traditional and experimental techniques that define uniqueness of artistic reproduction. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines.

Semester Hours: 3

Prerequisites:

ART 111

ART 356: Painting II

Painting problems with an emphasis on concept and media experimentation. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

Prerequisites:

ART 255

ART 370: Spec Stu in Art-Photography

Advanced topics in art. Significant amount of mature work produced.

Semester Hours: 3

Prerequisites:

Junior status, departmental permission, instructor permission

ART 371: Special Studies - Painting

Advanced topics in Art. Significant amount of mature work produced.

Semester Hours: 3

Prerequisites:

junior status, permission of department and instructor.

ART 372: Special Studies - Ceramics

Advanced topics in Art. Significant amount of mature work produced.

Semester Hours: 3

Prerequisites:

junior status, permission of department and instructor.

ART 373: Special Studies - Crafts

Advanced topics in Art. Significant amount of mature work produced.

Semester Hours: 3

Prerequisites:

junior status, permission of department and instructor.

ART 374: Special Studies - Graphics

Advanced topics in Art. Significant amount of mature work produced.

Semester Hours: 3

Prerequisites:

junior status, permission of department and instructor.

ART 375: Special Studies - Sculpture

Advanced topics in Art. Significant amount of mature work produced.

Semester Hours: 3

Prerequisites:

junior status, permission of department and instructor.

ART 376: Special Studies - Art History

Advanced topics in art. Significant amount of mature work produced.

Semester Hours: 3

Prerequisites:

junior status, permission of department and instructor.

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. Art majors only. Semester prior to senior exhibition. .5 semester hour.

Semester Hours: 0.5

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. Art majors only. Semester during senior exhibition.

Semester Hours: 0.5**Prerequisites:**

ART 401

ART 405: Advanced Photography I

ART 405 AND 406 ADVANCED PHOTOGRAPHY 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**Prerequisites:**

305.

ART 406: Advanced Photography II

ART 405 AND 406 ADVANCED PHOTOGRAPHY 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**Prerequisites:**

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**Prerequisites:**

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**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**ART 455: Advanced Painting/Drawing**

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. Prerequisite 255.

Semester Hours: 3**Prerequisites:**

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ART 456: Advanced Painting & Drawing

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**Prerequisites:**

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: 4**Prerequisites:**

senior status, 3.

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: 6**Prerequisites:**

junior or senior status, 2.

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: 6**Prerequisites:**

junior or senior status, 2.

Athletic Training & Exercise Science

Professors

Dennis C. Cobler, Chair

Jean-Paul Barfield

Eleanor M. Beltz

A. Louise Fincher

Beth Funkhouser

Brianne Kilbourne

The undergraduate Athletic Training Program at Emory & Henry College is accredited by the Commission on Accreditation of Athletic Training Education (CAATE) located at 6850 Austin Center Blvd., Suite 100, Austin, TX 78731-3184. The program is currently applying to the CAATE for a change in the level of degree.

As such, the undergraduate program will no longer be accepting new students past the 2016-2017 Academic Year.

For Master of Science in Athletic Training, see Graduate Program Offerings.

ACCREDITATION

The Emory & Henry Athletic Training program is accredited by the Commission on Accreditation of Athletic

Training Education (CAATE). Students completing the athletic training major may sit for the BOC examination after receiving approval from the Program Director.

ATR 120: Introduction to Athletic Training

Exploration of the Athletic Training profession. Physiological and anatomical analysis of the lower extremity. Practical experience dealing with wrapping and taping. This course is required for students who wish to formerly apply to the Athletic Training Program. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 3

ATR 200: Clinical Education Experience I

Review and integration of clinical skills related to injury prevention, patient safety, emergency care and care of acute injuries. Students are required to complete a clinical education experience under the supervision of an approved Clinical Preceptor. Students must complete a minimum of 150 clinical education hours. Prerequisite: 120 and 230; admission to the Athletic Training program.

Semester Hours: 2

ATR 211: Clinical Education Exper. II

Indepth instruction of medical terminology. Address various issues relating to personal and public health. Students are required to complete a clinical education experience under the supervision of an approved Clinical Preceptor. Students will complete a minimum of 150 clinical education hours. Pre/corequisites: B or Higher in ATR 200: 220. Admission to the AT program.

Semester Hours: 2

ATR 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, combining 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

ATR 230: Emergency Care for Health Professionals

Preparation as it relates to addressing emergency situations, including first aid, CPR, AED, oxygen administration, monitoring and interpreting vital signs. Addressing acute emergent conditions including cardiac arrest, airway management, wound care, and splinting. Two lecture hours and two lab hours.

Semester Hours: 3

Lab Hours: 2

Lecture Hours: 2

ATR 236: Advanced Strength & Conditioning

Principles of designing and implementing strength and conditioning programs for various populations.

Semester Hours: 2

Prerequisites:

261 and departmental permission.

ATR 240: Evaluation of Lower Extremities

Recognition and assessment of specific musculoskeletal injuries and conditions occurring in the lower extremities, including the thoracic region. Pre/corequisite: 261 or permission. Two lecture hours and two lab hours.

Semester Hours: 3

Lab Hours: 2

Lecture Hours: 2

ATR 261X: Applied Anatomy & Kinesiology

Structural anatomy and its applications to performance. Exploration of biomechanical concepts of human movement.

Semester Hours: 3

ATR 262: Therapeutic Modalities

Application of electrical, mechanical, and thermal therapeutic modalities used to assist the body's natural healing process.

Semester Hours: 3

Lab Hours: 2

Lecture Hours: 2

Prerequisites:

220.

ATR 280: Therapeutic Rehabilitation

The design of evidence-based therapeutic rehabilitation programs that return patients to participation and improve their health-related quality of life.

Semester Hours: 3

Lab Hours: 2

Lecture Hours: 2

Prerequisites:

220 and 262.

ATR 321: Clinical Education Exper. III

Review, refinement, and integration of evaluative techniques of upper and lower extremity musculoskeletal injuries and conditions. Review of OSHA standards. BLS certification or recertification. Students are required to complete a clinical education experience under the supervision of an approved Clinical Preceptor. Students must complete a minimum of 150 clinical education hours.

Semester Hours: 2

Prerequisites:

B or higher in 211; 240 and 340; Admission to the AT program.

ATR 331: Clinical Education Exper. IV

Review and integration of knowledge and clinical skills needed for designing and implementing therapeutic interventions. Students are required to complete a clinical education experience under the supervision of an approved Clinical Preceptor. Students must complete a minimum of 150 clinical education hours.

Semester Hours: 2

Prerequisites:

B or higher in 321; 262 and 280; Admission to the AT program.

ATR 334X: Evaluation in Physical Education

Principles of designing and implementing strength and conditioning programs for various populations.

Semester Hours: 3

Prerequisites:

261 and departmental permission.

ATR 336: Advanced Strength & Conditioning

Principles of designing and implementing strength and conditioning programs for various population.

Prerequisite: 261 and departmental permission.

Prerequisite or corequisite: Biology 310.

Semester Hours: 3

Prerequisites:

ATR 340: Evaluation of Upper Extremities

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: 2

ATR 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. Three semester hours.

Semester Hours: 3

ATR 371: Pharmacology for Common Illnesses

Pharmacologic applications relevant to treatment of injuries and illnesses of the physically active person.

Semester Hours: 3

Prerequisites:

Biology 311 and 425, or departmental permission.

ATR 380: Gen. Medical Conditions in AT

This course will cover general medical conditions that are routinely encountered when caring for athletic populations. The course will discuss causes, recognition and treatments for a host of diseases or disorders affecting the physically active. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines. Two lecture hours and two lab hours.

Semester Hours: 3

Lab Hours: 2

Lecture Hours: 2

ATR 441: Clinical Education Exper. IV

Review, refinement and integration of evaluative and assessment techniques for general medical and behavioral conditions. Rotation in primary care with licensed physician. Review of OSHA standards. BOC examination practice. BLS certification or recertification. Students are required to complete a clinical education experience under the supervision of an approved Clinical Preceptor. Students must complete a minimum of 150 clinical education hours.

Semester Hours: 2

Prerequisites:

B or higher in 331; and 380; Admission to the AT program.

ATR 451: Clinical Education Exper. V

Refinement of administrative topics and skills, professional development, and preparation for the BOC examination process. Students are required to complete a clinical education experience under the supervision of an approved Clinical Preceptor. Students must complete a minimum of 150 clinical education hours.

Semester Hours: 2

Prerequisites:

B or higher in 441; Admission to the AT program.

ATR 460: Independent Study

Directed study in a specific area of athletic training or related field, under the supervision of a faculty member.

Semester Hours: 3

Prerequisites:

departmental permission.

ATR 462: Research & Design

Experiential program utilizing research design, implementation, and analytical evaluation of specific rehabilitation programs for actual cases. Taught in conjunction with local orthopedic physicians and physical therapists. This course satisfies the proficiency requirements for Written Communication and Oral Communication in the disciplines.

Semester Hours: 3

ATR 463: Organization & Administration of A.T.

Organization and operation of an athletic training program; computer applications, insurance, patient records, budgeting, and leadership skills.

Semester Hours: 1

Prerequisites:

senior status or departmental permission.

ATR 490: Honors Project

Directed study in a specific area of athletic training, under the supervision of a faculty member.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

ATR 491: Honors Project II

Directed study in a specific area of athletic training, under the supervision of a faculty member.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

DPT 700: Human Gross Anatomy I

This course is the classroom component which will cover normal human gross anatomy with emphasis on the structure and physiology of the musculoskeletal, neuromuscular, cardiopulmonary, digestive and integumentary systems across the lifespan. Other anatomical systems will be covered briefly, especially as they relate to the function of the five emphasized systems. This course is designed to help students establish a foundational understanding of the neuromusculoskeletal systems of the human body for the practice of physical therapy. We will take a regional approach covering the arms, trunk, head, and legs. At the end of the class students will have an understanding of how the structure of the human body determines function as a prelude to a clinical understanding of how to treat structural dysfunction.

Semester Hours: 3

DPT 701: Human Gross Anatomy II

This course is the laboratory component involving cadaver dissection to complement the study of systems covered in DPT700 (i.e. musculoskeletal, neuromuscular, cardiopulmonary, digestive and integumentary). Additionally, there will be a dry lab incorporating surface anatomy exercises, using anatomical models and utilizing a variety of audiovisual means including medical imaging.

Semester Hours: 2

DPT 702: Human Histology

Study of human histology with emphasis on cellular and extracellular components of the musculoskeletal, neural, cardiopulmonary and integumentary tissues. Introduction to relationships between structure and function, as the basis for pathological processes.

Semester Hours: 1

DPT 703: Human Neuroscience

Detailed study of the structure and function of the central and peripheral nervous systems including morphology and developmental neuroanatomy. Relationship between neuroanatomy, motor control and sensory responses are discussed.

Semester Hours: 3

DPT 704: Kinesiology

Study of the mechanics and biomechanics of human movement, emphasizing normal and abnormal posture, common functional tasks and gait analysis.

Semester Hours: 4

DPT 706: Applied Physiology for Health Sciences

A survey of physiological principles underlying clinical practice in the health sciences. This course is designed to prepare students for further courses in pathophysiology and those related to specific physiological systems, including neuromusculoskeletal, integumentary, and cardiovascular and pulmonary systems.

Semester Hours: 3

DPT 711: Advanced Exercise Physiology

This course presents an in depth study of human physiology with emphasis on cardiovascular, respiratory, hemopoietic, endocrine, gastrointestinal and renal systems followed by the effect of exercise on energy metabolism and on the physiology of major human systems.

Semester Hours: 4

DPT 712: Applied Exercise Physiology

A study of the effect of physical activity on human physiology with an emphasis on the musculoskeletal, cardiovascular, pulmonary and endocrine systems, including the acute and chronic adaptations associated with physical activity. Modes of exercise, environmental considerations, and selected clinical populations are also covered in this course.

Semester Hours: 1

DPT 713: Imaging

This course introduces the student to equipment, procedures and use of medical imaging for examination and evaluation of dysfunction of body structures. Examination topics included are radiographs, arthrography, CT scans, PET scans, MRI, ultrasonography and nuclear studies. Case studies will be used to integrate imaging data in the patient/client management plan.

Semester Hours: 2

DPT 714: Diagnostics & Pharmacology Ii: Cardio

A study of the general principles of pathophysiology impacting the practice of physical therapy and how they are managed medically and surgically in addition to the role of the physical therapist. This first course of the pathophysiology sequence is focused on cell injury and the body's responses, inflammation, disorders of vascular flow and shock, genetic disease, the immune system, neoplastic disease, infectious disease and diseases of the blood vessels and blood cells.

Semester Hours: 2

DPT 715: Pathophysiology II

A continuation of pathophysiology I focused on body systems. Management by healthcare professionals beyond physical therapy is discussed. The acute and chronic effects of diseases of body systems on human function/ performance and achievement of outcomes of therapeutic intervention are explored.

Semester Hours: 2

DPT 716: Pharmacology

A study of pharmacological principles in relation to rehabilitation of patients with systems impairments, with inclusion of the possible benefits and side effects of pharmacological agents in patients undergoing physical rehabilitation.

Semester Hours: 3

DPT 721: Patient Care Skills I: Principles

Introductory course in basic skills and patient management processes in the physical therapy setting. Medical terminology, the patient management model, interview processes and clinical documentation are introduced. Overview of tests and measures, and basic interventions used in the physical therapy setting including vital signs, patient handling and transfer techniques, and basic gait training with assistive devices are also presented.

Semester Hours: 2

DPT 721A: Patient Care Skills: Foundations

The first part of an introductory course in basic skills and patient management processes in the physical therapy setting, including basic safety, vital signs, patient handling and transfer techniques, and basic soft tissue mobilization. One lecture and lab hour.

Semester Hours: 1

Lab Hours: 1

Lecture Hours: 1

DPT 721B: Patient Care Skills: Foundation B

The second part of an introductory course in basic skills and patient management processes in the physical therapy setting, including basic safety, vital signs, patient handling and transfer techniques, and basic soft tissue mobilization. One lecture and lab hour.

Semester Hours: 1

Lab Hours: 1

Lecture Hours: 1

DPT 722: Patient Care Skills Ii: Tests & Measures

Continuation of DPT 721 with further application of the patient management model, clinical documentation, and addition of specific tests and measures including goniometry and manual muscle testing. Second semester.

Semester Hours: 2

DPT 723: Therapeutic Exercise & Modalities

Administration of physical, thermal and mechanical interventions consistent with patient diagnosis and prognosis. Critical appraisal of the literature is addressed, in order to apply the best evidence to practice and the clinical decision making process.

Semester Hours: 2

DPT 731: Professional Issues I: Introduction

First in a series of six courses integrated throughout the DPT program, this course has been designed to prepare students as ethical, moral, responsible and accountable physical therapists. Topics include the history of the profession and its evolution to the doctoral level, the role of the national association, psychosocial considerations in patient management, ethical and legal issues, and the teaching/learning process. Students are provided with opportunities to explore service learning and to engage with the, local, national and international professional communities.

Semester Hours: 2

DPT 732: Professional Issues II

Emphasis is on introductory legal and ethical issues in physical therapy practice, the role in advocacy, and psychosocial considerations in patient management. Service learning projects are initiated at this stage.

Semester Hours: 2

DPT 733: Professional Issues II

Second in a series of three courses integrated throughout the curriculum to prepare students as ethical, moral, responsible and accountable physical therapists. Topics in this course include: health care systems; documentation in selected physical therapy settings; the physical therapist assistant, interprofessional practice, culture and health care, psychiatric diagnoses and psychosocial considerations in patient management; and legal and ethical responsibilities to vulnerable populations. T

Semester Hours: 3

DPT 740: Critical Inquiry I: Evidence Based Pract

First in a series of four courses to prepare students to understand and utilize the professional literature. Students will learn how to formulate focused clinical questions, to search for the best available evidence, to critically appraise the evidence, and to integrate evidence to assist in clinical decision making. Emphasis in the first course will be on the concept of evidence as a foundation for clinical practice and the research process.

Semester Hours: 2

DPT 741: Critical Inquiry I: Introduction

First in a series of four courses to prepare students to understand, utilize and contribute to the professional literature, with emphasis on the integration of evidence into clinical practice and research. Research design, methodology, proposal, data collection, analysis and dissemination, and legal and ethical responsibilities of the researcher are presented. Students will develop and complete a research project and will disseminate their findings.

Semester Hours: 2

DPT 751: Musculoskeletal Physical Therapy I

Application of the patient management model to patients with musculoskeletal disorders. Diagnosis and evidencebased management of the patients with musculoskeletal disorders of the upper quarter and cervical and thoracic spine are emphasized.

Semester Hours: 3

DPT 752: Musculoskeletal Physical Therapy II

Application of the patient management model to patients with musculoskeletal disorders. Emphasis is on the diagnosis and evidence-based management of patients with musculoskeletal disorders of the lower quarter and lumbosacral spine.

Semester Hours: 3

DPT 781: Clinical Immersion I: Introduction

This course in the first in a series of 6 clinical experience courses within the 6 didactic semesters of the DPT curriculum. Students will work in teams with a physical therapist clinical instructor to learn and apply basic skills, demonstrate clinical problem-solving and assume professional roles in various patient care settings, consistent with their current level of didactic training in Semester I and the course contents in "Patient Care Skills I: Principles" (DPT 721). 0.5 day/week, 10 weeks.

Semester Hours: 1

DPT 782: Clinical Immersion II

This course in the second in a series of 6 clinical experience courses within the 6 didactic semesters of the DPT curriculum. Students will work in teams with a physical therapist clinical instructor to learn and apply basic skills, demonstrate clinical problem-solving and assume professional roles in various patient care settings, consistent with their current level of didactic training in Semester II and the course contents in "Patient Care Skills II: Tests & Measures" (DPT 722). 0.5 day/week, 8 weeks.

Semester Hours: 1

DPT 831: Professional Issues III

Emphasis is on the teaching and learning process and the application of psychosocial, legal and ethical issues in physical therapy practice. Student service learning projects are developed.

Semester Hours: 2

DPT 832: Admin. & Management in Health Care

Emphasis is on the role of administration and management in physical therapy practice. Student service learning projects are continued.

Semester Hours: 3

DPT 833: Leadership in Daily Practice

Physical therapists play key roles in leadership. This course creates a framework for students to develop skills for leadership in daily practice. The Core Competencies of Leadership will be explored. Other topics include: leadership styles, differentiate management from leadership, integrate a mission and strategic planning, decision-making strategies for conflict mediation, and communicating to improve outcomes. Application of leadership skills will be facilitated with case scenarios in class and application activities, in a concurrent clinical immersion course. Emphasis will be learning by doing to model key elements of leadership team work, effective behaviors, goal setting and achievement.

Semester Hours: 2**DPT 834: Health Policy/Physical Therapy**

This course introduces the student to public policymaking in the United States, with an emphasis on current health care policy affecting physical therapy practice specifically and healthcare in general. Students will engage in active learning experiences to develop a working knowledge of public policy and to provide them with skills and resources to be an effective advocate for their patients/clients and the profession. Current state and federal legislative and regulatory issues will be the focus in this course. Students will reflect on and discuss these issues in the context of their current and present clinical experiences in the program. Teaching methodology includes a mix of guided self-directed learning activities and online interactive discussion while on a final full-time internship. Critical thinking skills are emphasized in all activities.

Semester Hours: 2**DPT 841: Critical Inquiry I**

Culmination of the Critical Inquiry course series with an emphasis on writing results and discussion, and presenting research in both a poster and platform format. Assessment of research presentations is also emphasized.

Semester Hours: 2**DPT 842: Critical Inquiry II: Research Proposal**

Emphasis is on data collection, statistical analysis and interpretation of the results.

Semester Hours: 3**DPT 843: Critical Inquiry III: Collection & Anal**

Emphasis is on the research process including the identification of a research question and the development of a student research proposal.

Semester Hours: 3**DPT 851: Musculoskeletal Physical Therapy III**

A continuation of the musculoskeletal series of courses which includes etiology, medical management, physical therapy examination, evaluation and intervention of selected musculoskeletal disorders with an emphasis on the lumbar spine and pelvis.

Semester Hours: 4**DPT 852: Musculoskeletal Physical Therapy IV**

A continuation of the musculoskeletal series of courses which includes etiology, medical management, physical therapy examination, evaluation and intervention of selected musculoskeletal disorders with an emphasis on the cervical and thoracic spine and the temporomandibular joint.

Semester Hours: 4**DPT 853: Neuromuscular Phys. Ther. I**

Application of the patient management model to patients with neuromuscular disorders. Emphasis is on examination, evaluation and management of patients with common neuromuscular disorders seen in physical therapy practice.

Semester Hours: 4**DPT 854: Neuromuscular Physical Therapy II**

Application of the patient management model to patients with neuromuscular disorders. Emphasis is on examination, evaluation and management of patients with complex neuromuscular disorders seen in physical therapy practice.

Semester Hours: 4**DPT 855: Pediatric Physical Therapy**

Application of the patient management model to pediatric cases. Both primary and secondary conditions common to the pediatric physical therapy setting are addressed. Emphasis is on the evaluation, examination, and tests and measures used in pediatric cases. The importance of interaction with family, caregivers and other health care providers is addressed.

Semester Hours: 2**DPT 856: Cardiopulmonary Physical Therapy**

Introductory application of the patient management model to patients with cardiopulmonary disorders. Examination, evaluation, and management of the patient with cardiopulmonary disorders common to physical therapy practice are presented.

Semester Hours: 4**DPT 857: Integumentary Physical Therapy**

Introductory application of the patient management model to patients with integumentary disorders. Examination, evaluation and management of the patient with integumentary disorders common to physical therapy practice, including burns, are emphasized.

Semester Hours: 3

DPT 858: Management of Multisystem Impairments

Application of the patient management model to patients with co-morbidities affecting the primary diagnosis. Emphasis is on the development and modification of the patients' plan of care with regard to their prognosis.

Semester Hours: 3

DPT 859: Orthotics and Prosthetics

Concepts and application of orthotic and prosthetic devices commonly used in physical therapy settings, with an emphasis on the lower extremity issues.

Semester Hours: 2

DPT 860: Health Promotion & Wellness

Study of fundamentals of health promotion and wellness in individuals and populations seen in physical therapy practice.

Semester Hours: 2

DPT 861: Lifespan Human Development

A study of the process of typical human development and aging across the lifespan, including neuromotor development in childhood and changes associated with aging.

Semester Hours: 2

DPT 862: Medical Screening

A course focusing on the use of screening tests and clinical tools to enhance the therapist's role as an independent practitioner with the ability to identify medical conditions of concern that require referral to an appropriate health care provider.

Semester Hours: 2

DPT 863: Rural Health/Primary Care

This course will provide students with an overview of rural health with topics ranging from rural health lifestyles to practice management. The course will include the didactic presentations both on campus and off campus (hospitals, MSHA), journal reflection and discussions led by Emory & Henry faculty and topic experts from Southwest Virginia and East Tennessee.

Semester Hours: 2

DPT 864: Human Learning

This course incorporates application of the principles of human learning to patient/client management, including patient/family/caregivers, and community education. Roles of the physical therapist as a clinical educator and academician are discussed, as well as opportunities/responsibilities for lifelong learning and professional development.

Semester Hours: 1

DPT 881: Clinical Immersion III

This course is the third in a series of 5 clinical experience courses within the 6 didactic semesters of the DPT curriculum. Students will work in teams with a physical therapist clinical instructor to learn and apply basic skills, demonstrate clinical problem-solving and assume professional roles in various patient care settings, consistent with their current level of didactic training in Semester III and the course contents in "Principles of Examination, Evaluation and Diagnosis" (DPT 723).

Semester Hours: 1

DPT 882: Clinical Immersion IV

This course is the fourth in a series of 5 clinical experience courses within the 6 didactic semesters of the DPT curriculum. Students will work in teams with a physical therapist clinical instructor to learn and apply basic skills, demonstrate clinical problem-solving and assume professional roles in various patient care settings, consistent with their current level of didactic training in Semester IV and the course contents in "Patient Care Skills III: Therapeutic Modalities" (DPT 723).

Semester Hours: 1

DPT 883: Clinical Immersion V

This course is the fifth in a series of 5 clinical experience courses within the 6 didactic semesters of the DPT curriculum. Students will work in teams with a physical therapist clinical instructor to learn and apply basic skills, demonstrate clinical problem-solving and assume professional roles in various patient care settings, consistent with their current level of didactic training in Semester V.

Semester Hours: 1

DPT 981: Clinical Rotation I

The first of three full-time clinical experiences, providing students with hands-on practice under the supervision of a licensed physical therapist. Students begin to collect clinical data with non-complex patients to develop their case studies. Emphasis is on legal and ethical issues, critical thinking and evidence-based practice. Full-time, 12 weeks. Six semester hours.

Semester Hours: 6

DPT 982: Clinical Rotation II

The second of three full-time clinical experiences, providing students with hands-on practice under the supervision of a licensed physical therapist. Students practice tests and measures and interventions in patients with multiple morbidities. Emphasis is on the relationship of the co-morbidities with primary physical therapy cases, critical thinking and evidence-based practice. Full-time, 12 weeks. Six semester hours.

Semester Hours: 6

DPT 983: Clinical Rotation III

The third of three full-time clinical experiences, providing students with hands-on practice under the supervision of a licensed physical therapist. Students are guided to practice physical therapy in patients with varying complexities, as well as to participate in the overall patient management. Preparation for independent entry-level practice is emphasized. Full-time, 12 weeks. Six semester hours

Semester Hours: 6

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

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, combining 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

EXSC 261X: Applied Anatomy & Kinesiology

Structural anatomy and its applications to performance. Exploration of biomechanical concepts of human movement.

Semester Hours: 3

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. Three lecture hours.

Lecture Hours: 3

EXSC 285: Research Experience in Exercise Science

Hands-on research experience through assistance in faculty research projects.

Semester Hours: 1

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

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

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

Prerequisites:

permission of the faculty member directing the project.

EXSC 310X: 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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 4

Lecture Hours: 3

Prerequisites:

105 or 117.

EXSC 320: Fitness Assessment & Programing

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

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

EXSC 310X.

EXSC 336: Advanced Strength & Conditioning

Principles of designing and implementing strength and conditioning programs for various populations.

Semester Hours: 3

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

EXSC 370X: 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: 2

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

Lab Hours: 3

Lecture Hours: 3

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: 3

EXSC 460: Independent Study

Individual experimental or theoretical research approved and directed by the department.

Semester Hours: 4

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

Prerequisites:

2.

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

Prerequisites:

2.

EXSC 490: Honors Thesis I

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

EXSC 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

Biology

Professors

George C. Argyros, Chair

Brett Frye

Gerald Bresowar

Regenia Campbell

Christopher Fielitz

Christine M. Fleet

BIOL 100: Introduction to Biology

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

BIOL 105: Intro 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. This course satisfies the Modes of Inquiry requirement for Understanding the Natural World. Three lecture hours and three laboratory hours.

Semester Hours: 4

Lab Hours: 3

Lecture Hours: 3

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

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

CHEM/BIOL 100 or instructor permission

BIOL 120: Intergrated Anatomy & Physiology I

This is the first part of a two-part Anatomy & 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&P 2). For those in health fields, this information will serve as the foundation for most of your courses.

Semester Hours: 4

Prerequisites:

"C" grade or higher in BIOL 117

BIOL 121: Integrated Human Anatomy & Physiology II

This is the second part of a two-part Anatomy & 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&P 1) 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

Prerequisites:

"C" grade 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

BIOL 201: Organismal Biology

Survey of biological diversity with discussion of morphology, anatomy, reproduction, and evolution as related to classification. Ecological and economic significance of organisms discussed briefly. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

"C" grade or higher 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

Lecture Hours: 2

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

Lab Hours: 4

Lecture Hours: 3

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

Prerequisites:

"C" grade or higher in BIOL 117

BIOL 240: Global Change & 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

Lab Hours: 4

Lecture Hours: 3

Prerequisites:

Instructor permission and one course from the following: BIOL 105 or 117; ESCI 112; ENVS 100; or GEOG 311.

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**Lab Hours: 3****Lecture Hours: 3****Prerequisites:**

BIOL 201 or instructor permission

BIOL 285: Research Experience I

Hands-on research experience through assistance in faculty research projects.

Semester Hours: 1**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**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**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**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**Lab Hours: 4****Lecture Hours: 3****Prerequisites:**

"C" or higher in BIOL 117 and sophomore status;

Prerequisite or corequisite: BIOL 201 or instructor permission

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**Lecture Hours: 1****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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 4**Lecture Hours: 3****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**Lab Hours: 3****Lecture Hours: 3****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**Lab Hours: 3****Lecture Hours: 3****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**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

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

BIOL 201 or departmental permission

BIOL 332: Micro & Immunology

Morphology, physiology and taxonomy of selected microorganisms; emphasis on laboratory techniques.

Semester Hours: 4

Lab Hours: 4

Lecture Hours: 3

Prerequisites:

CHEM 211 or 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

Lab Hours: 4

Lecture Hours: 3

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

Prerequisites:

BIOL 117 and instructor permission

BIOL 360: Population & 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

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 evolutionary 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

Lab Hours: 4

Lecture Hours: 3

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

Prerequisites:

"C" or higher 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

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

CHEM 111 and CHEM 112 and "C" or higher 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

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

Biology 117 and Chemistry 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, and cell cycle control and cell death.

Semester Hours: 4

Lab Hours: 3

Prerequisites:

BIOL 300 or ENGR 300

BIOL 450: Senior Seminar

Study of current topics in biology based on survey of primary literature. Focus on oral communication through scientific presentations and small-group discussions. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 1

Prerequisites:

Senior status

BIOL 460: Independent Study

Independent research project conducted under supervision of department.

Semester Hours: 1-4

Prerequisites:

B average in biology and overall; departmental approval in semester before 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: 6

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: 6

BIOL 490: Honors Project

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

Senior status and GPA of 3.0 or higher

BIOL 491: Honors Thesis

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

Senior status and GPA of 3.0 or higher

Business Administration

Professors

Kyle P. Macione, Chair

J. Thomas Fowlkes

A. Denise Stanley

ACCT 200: Spreadsheet Appl 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

Prerequisites:

CIMT 120 or CIMT 140

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

Prerequisites:

Sophomore status

ACCT 202: Principles of Accounting II

Fundamentals of accounting theory for corporations; budgeting; process cost accounting. Analysis of financial statements and cash flows, including the time value of money.

Semester Hours: 3

Prerequisites:

ACCT 201

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

Prerequisites:

ACCT 201 and ACCT 202

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

Prerequisites:

ACCT 201 and ACCT 202.

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

Prerequisites:

ACCT 201 or instructor permission

ACCT 340: Managerial Cost Accounting

Budgeting and policymaking; job order, process, and standard cost systems.

Semester Hours: 3

Prerequisites:

ACCT 201 and ACCT 202

ACCT 351: Ethics & Prof. 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. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

Prerequisites:

ACCT 201

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

Prerequisites:

ACCT 301 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

Prerequisites:

ACCT 301 or instructor permission

ACCT 450: Seminar

Open to junior and senior majors with departmental permission.

Semester Hours: 3

ACCT 460: Independent Study

Supervised independent study of area of individual interest in accounting.

Semester Hours: 4

Prerequisites:

Junior or senior status and departmental approval

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: 2-6

Prerequisites:

Junior or senior status, departmental approval, 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: 2-6

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

Prerequisites:

Senior status and GPA of 3.0 or higher

ACCT 491: Honors Project II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

Senior status and GPA of 3.0 or higher

MGMT 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

Prerequisites:

sophomore status.

MGMT 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

Prerequisites:

203.

MGMT 305: Marketing in a Global Economy

Study of the organizational function of marketing, including theoretical and practical concerns from a global perspective. This course satisfies the proficiency requirement for Written Communication in the disciplines. Corequisite: Accounting 201.

Semester Hours: 3

MGMT 308: Personal Financial Management

Basic principles of personal financial management, including cash management, debt management, insurance, investing, retirement planning and estate planning.

Semester Hours: 3

Prerequisites:

sophomore status.

MGMT 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. The course satisfies the International Exploration requirement.

Semester Hours: 3

Prerequisites:

junior status.

MGMT 345: Management Theory and Practice

Study of contemporary management theory and practice, including traditional principles, functions of management, organizational behavior, and international management.

Semester Hours: 3

Prerequisites:

sophomore status.

MGMT 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

Prerequisites:

junior status.

MGMT 441: Production & 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

Prerequisites:

Statistics 161, 162, or 163.

MGMT 445: 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

Prerequisites:

Economics 152 and Accounting 202, or permission of instructor.

MGMT 449: Management Policy & 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. This course satisfies the proficiency requirements for Oral Communication and Critical Thinking in the disciplines.

Semester Hours: 3

MGMT 450: Seminar

Open to junior and senior majors with permission of department.

Semester Hours: 3

MGMT 460: Independent Study

Supervised independent study in area of individual interest in management.

Semester Hours: 4

Prerequisites:

junior or senior status and approval of department.

MGMT 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: 3-6

Prerequisites:

junior or senior status, approval of the department, and completion of two courses selected from Economics 152 and Accounting 201 and 202.

MGMT 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

Prerequisites:

junior or senior status, approval of the department, and completion of two courses selected from Economics 152 and Accounting 201 and 202.

MGMT 490: Honors Project I

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

MGMT 491: Honors Project II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

Chemistry

Professors

Michael Lane

James C. Duchamp, Chair

Jamie Ferguson

Laura J. Hainsworth

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

CHEM 105: Intro to College Chemistry

Basic theories of atomic structure, chemical reactions, gas laws, atomic theory, and chemical bonding. Not intended for potential science majors.

Semester Hours: 4

Lab Hours: 3

Lecture 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. This course satisfies the Modes of Inquiry requirement for Understanding the Natural World.

Semester Hours: 4

Lecture Hours: 3

Prerequisites:

CHEM 100 or BIOL 100

Co-Requisites:

MATH 121 or higher and CHEM 111L

CHEM 111L: General Chemistry I 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. This course satisfies the Modes of Inquiry requirement for Understanding the Natural World.

Semester Hours: 0

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. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 4

Lecture Hours: 3

Prerequisites:

Grade of C- or higher in CHEM 111 and CHEM 111L.

Co-Requisites:

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.

Semester Hours: 0

Co-Requisites:

CHEM 112

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.

Semester Hours: 4

Lab Hours: 4

Lecture Hours: 3

Prerequisites:

Grade of C- or higher 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.

Semester Hours: 4

Lab Hours: 4

Lecture Hours: 3

Prerequisites:

Grade of C- or higher in CHEM 211

CHEM 221: Analytical Chemistry

Quantitative volumetric and gravimetric analysis, statistical treatment of data, electrochemistry, and introductory instrumental methods of analysis. This course satisfies the proficiency requirements for Oral Communication and Quantitative Literacy in the disciplines.

Semester Hours: 4

Lab Hours: 4

Lecture Hours: 3

Prerequisites:

CHEM 112

CHEM 230: Intro. 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

Lecture Hours: 3

Prerequisites:

Grade of C or higher in CHEM 112

CHEM 240: Intro. 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

Lecture Hours: 3

Prerequisites:

CHEM 112

CHEM 285: Research Experience I

Hands-on research experience through assistance in faculty research projects.

Semester Hours: 1

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

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

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

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

Lecture Hours: 3

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

Lecture Hours: 3

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. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

Lecture Hours: 3

Prerequisites:

CHEM 112

CHEM 330: Advanced Chemistry Laboratory

An enriched, integrated laboratory experience focusing on procedures associated with inorganic and physical chemistry. Topics include apparatus design and construction, synthesis, separation methods, spectroscopic analysis and application of computers in the laboratory.

Semester Hours: 4

Prerequisites:

CHEM 221 and CHEM 230

Co-Requisites:

CHEM 312

CHEM 350: Special Topics

Selected topics in chemistry chosen by the instructor in response to student needs and interests.

Semester Hours: 4

Prerequisites:

CHEM 111, CHEM 112, and instructor permission

CHEM 351: Junior Seminar

Study of current topics in chemistry based on survey of primary literature.

Semester Hours: 1

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

Lab Hours: 4

Lecture Hours: 3

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

Lecture Hours: 3

Prerequisites:

CHEM 221

CHEM 433: Advanced Organic Chemistry

Organic reactions and mechanisms. Hückle molecular orbital theory, electrocyclic reactions, molecular photochemistry, nonclassical carbonium ions, carbanions, natural products, synthesis of novel and biologically important compounds.

Semester Hours: 3

Lecture Hours: 3

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

Lab Hours: 4

Lecture Hours: 3

Prerequisites:

CHEM 212

CHEM 450: Senior Seminar

Study of current topics in chemistry based on survey of primary literature.

Semester Hours: 1

CHEM 460: Independent Study

Experimental or theoretical student research under chemistry faculty supervision.

Semester Hours: 4

Prerequisites:

Senior status and departmental approval

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: 2-6

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: 2-6

Prerequisites:

Junior or senior status, departmental approval, 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

Prerequisites:

Senior status and GPA of 3.0 or higher

CHEM 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

Senior status and GPA of 3.0 or higher

Civic Innovation

Professors

Talmage A. Stanley, Chair

CVIN 100: Intro. to Civic Innovation

Students understand the distinguishing characteristics of innovation and innovative practice, and work with peers building effective collaborations that address a community need. Students identify and analyze the root causes of the need they are addressing, propose creative outcomes, and outline the innovative practices to achieve those outcomes. Civic Project: Entry level project work.

Semester Hours: 4

CVIN 124: Skills Seminar: Project Design & Mgmt.

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

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

CVIN 126: Skills Seminar: Interviewing/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

CVIN 200: Public Movements, Social 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 policydriven 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

CVIN 205: Skills Sem: 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

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

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

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

CVIN 240: Research Methodes 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

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

CVIN 255: Place & 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

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

CVIN 300: Innovative Leadership

Students are entrepreneurial leaders in a major ongoing project. As project leaders, students utilize concepts of innovation, social entrepreneurship, results planning, and the identification of citizen leaders.

Semester Hours: 4

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

CVIN 345: Innovative Capacity/Community Development

From examining contemporary situations, students understand the distinctions between asset based and need based community development, as well as the role of spark plugs in communities and how to build the innovative capacity of communities and leaders. Students use quantitative data to analyze community issues, applying these in a major ongoing community development project.

Semester Hours: 4

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

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. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 6

Prerequisites:

senior status and permission instructor.

CVIN 450: Capstone Seminar / 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

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

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

CVIN 490: Honors Thesis I

Independent and interdisciplinary research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

CVIN 491: Honors Thesis II

Independent and interdisciplinary research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

Computer Information Management

Professor

Jerry L. Jones

Computer Information Management courses are offered at Emory & Henry as support courses for other programs and to satisfy proficiency requirements. Neither a major nor a minor is offered in this area.

CIMT 120: Computer Applications

Operation of a personal computer and its peripherals, fundamentals of word processing, spreadsheet applications, web-authoring software, library access and online search techniques, email, and navigation of the Internet. Laboratory setting. Students with college credit in a Computer Science course are not eligible for Computer Information Management 120.

Semester Hours: 1

CIMT 130: Computer Theory & Applications

Overview of computers and information technology, including history, terminology, and ethical issues. Use of application software for word processing, spreadsheets, databases, email, network browsers, presentation graphics software, and web design.

Semester Hours: 2

Prerequisites:

120.

CIMT 140: Introduction to Computers

Overview of computers and information technology, including history, terminology, and ethical issues. Use of application software for word processing, spreadsheets, databases, email, network browsers, presentation graphics software, and web design. Students who have completed CIMT 120 may enroll in CIMT 130 (2 credits), but not CIMT 140 (3 credits).

Semester Hours: 3

CIMT 199: Intro. to Programming

The purpose of this course is to introduce the student to object oriented programming and provide guided practice as students develop their own programs. This course is required for students in the Business and Teacher Preparation program and can be taken as an elective by other students .

Semester Hours: 2

Core

CORE 100: Self

The purpose of this course is to introduce the student to object oriented programming and provide guided practice as students develop their own programs. This course is required for students in the Business and Teacher Preparation program and can be taken as an elective by other students .

Semester Hours: 2

CORE 103: Lifetime Wellness

Understanding of wellness and related behavior that contributes to a healthy lifestyle.

Semester Hours: 1

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?

Sophomore status required. Three semester hours.

Semester Hours: 2

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? Junior status required.

Semester Hours: 3

Economics

Professors

Deborah Spencer, Chai

ECON 101: Contemporary Economic Issues

Applications of economic concepts to current issues. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

ECON 152: Principles of Microeconomics

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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines.

Semester Hours: 3

ECON 220X: 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

ECON 225: History of Economic Thought

Contributions to economic thought of principal theorists, with reading of selections from their significant writings.

Semester Hours: 3

Prerequisites:

152.

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

Prerequisites:

151.

ECON 253: Applied Intermediate Theory

A synthesis of micro and macro principles as they apply to our understanding of short-run business cycle fluctuations, medium run price and wage adjustments over time, and long run growth. Emphasis on the Open Market Committee and their role in stabilizing the macroeconomy. Prerequisites: ECON 151 and ECON 152. Four semester hours

Semester Hours: 4

ECON 260: Law & Economics

Applications of economics to property, contracts, torts, and criminal law, emphasizing property rights, breach of contract, product liability and punishment.

Semester Hours: 3

Prerequisites:

101 or 151.

ECON 262: Environmental & Natural Resource Econ

Applications of economics to the problems of pollution and exhaustion of resources. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

Prerequisites:

151.

ECON 313: Economics of Growth & 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. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

Prerequisites:

151 and 152.

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

Prerequisites:

151 and 152.

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. This course satisfies the International Exploration requirement and the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 3

Prerequisites:

151; prerequisite or corequisite: 152.

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

Prerequisites:

151 and 152.

ECON 332: Organization & Regulation of Industry

Conduct of U.S. industry with emphasis on regulation and antitrust.

Semester Hours: 3

Prerequisites:

151.

ECON 350: Special Topics

Selected topics in economics chosen by the instructor in response to student needs and interests.

Semester Hours: 3

Prerequisites:

151 and 152.

ECON 450: Seminar

This course satisfies the proficiency requirements for Ethical Reasoning and Oral Communication in the disciplines. Open to junior and senior majors with permission of department.

Semester Hours: 3

ECON 460: Independent Study

Supervised independent study in area of individual interest in economics.

Semester Hours: 4

Prerequisites:

junior or senior status and approval of department.

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: 6

Prerequisites:

junior or senior status, approval of the department, and completion of Economics 152.

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: 6

Prerequisites:

junior or senior status, approval of the department, and completion of Economics 152.

ECON 490: Honors Thesis I

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

ECON 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

Education

Professors

Douglas E. Arnold, Director of Neff Center

Janet Justice Crickmer

Sandra Frederick, Chair

Mark Hainsworth

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
Prerequisites:

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:
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

EDUC 305: Human Growth & 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

EDUC 310: Teach Read & the 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

Prerequisites:
junior status.

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 making.

Semester Hours: 3

EDUC 340: Teaching of Math/Sci in Elem/Ms

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

Prerequisites:

Education 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

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 students's major), skills, and practices into meaningful units of instruction that actively engage students in learning. Two semester hours.

Semester Hours: 2

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. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 3

Prerequisites:

305.

EDUC 401: Practicum in Education

Required of all persons seeking PK-6 licensure. Suggested for all persons seeking secondary licensure who are interested in teaching middle school. Approximately 80 hours on-site experience.

Semester Hours: 2

Prerequisites:

permission of instructor and Education Department.

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

Prerequisites:

C- or higher in 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

EDUC 421: Supv Teach in Elementary & Middle

Prerequisites as stated under Student Teaching above. Supervised teaching fee. Ten semester hours.

Semester Hours: 10

Prerequisites:

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

Prerequisites:

Education 115, junior status, one course in the social sciences, and one course in English.

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

EDUC 441: Supervised Teaching-Secondary School

Prerequisites as stated under Student Teaching above. Supervised teaching fee. Ten semester hours.

Semester Hours: 10

Prerequisites:**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 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. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

Prerequisites:

junior or senior status or permission of instructor.

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

Prerequisites:

senior status or permission of department.

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

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

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

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

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

Prerequisites:

permission of instructor.

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

EDUC 501: Practicum in Education

Classroom and approximately one hundred hours field-based experience.

Semester Hours: 3

Prerequisites:

permission of instructor and Education Department.

EDUC 501B: Practicum in Interv - Disabili

Required of all persons seeking a licensure that includes special education-general curriculum K-12. Approximately one hundred hours on-site experience in an inclusive setting.

Semester Hours: 3

Prerequisites:

permission of instructor and Education Department.

EDUC 505: Contemporary Issues & Problems Edu

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

EDUC 509: Action Research Practicum

Design of an action research project within a school setting that includes children of differing abilities. Practical, problem-based, and professional development criteria; curricular changes and teaching and learning strategies.

Semester Hours: 4

EDUC 518: Supervision of Instruction

Introduction to supervision, emphasizing skills for a supervisor to perform effectively in a leadership position. Special attention to developing skill in human relations, group processes, and personnel administration and evaluation, particularly in reading/language arts programs.

Semester Hours: -1

Prerequisites:

permission of instructor.

EDUC 520: Seminar Teach-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

EDUC 521: Supervised Teach - Elem & Midd

Supervised teaching fee. Ten semester hours.

Semester Hours: 10

EDUC 524: 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 making. Includes action research component.

Semester Hours: 3

EDUC 530: Curr & Inst in Soc Sci in Elem/Middle

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

EDUC 540: Seminar: Teaching in Sec. School (9-12)

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

EDUC 541: Supervised Teach - 2nd School

Supervised teaching fee. Ten semester hours.

Semester Hours: 10

EDUC 545: 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

EDUC 549E: Prac Diag & Rem Read Problems

Techniques in evaluation of the reading process, difficulties encountered by children in the reading-learning process, and diagnostic techniques used by the classroom teacher. Individualized instruction; pragmatic corrective measures.

Semester Hours: 3

Prerequisites:

310 and senior status.

EDUC 549S: Reading Writing Instruct. in Cont. 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

EDUC 550: Curric & Instruction in Second

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 department representatives. Student presentations to demonstrate grasp of content.

Semester Hours: 3

EDUC 560: Sem: Teach K-12 Spec Classroom

Required as part of supervised teaching block. General review, consolidation, and amplification of instructional techniques in special and inclusive education settings. Overview of educational administration, career education, multi-cultural and multi-ethnic concerns in education. Review of identification and referral of exceptional children, assessment strategies, and Virginia Standards of Learning. Transition, consultation, and collaboration issues in special and inclusive education. Priorities, frustrations, appropriate role-clarification, and other needs of the student teacher as a person.

Semester Hours: 2

EDUC 561: Student Teach-K-12 Sp Educ

Supervised teaching fee. Ten semester hours.

Semester Hours: 10

EDUC 570: 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. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 3

Prerequisites:

Education 305 or 505.

EDUC 600: Graduate Seminar

Selected content, pedagogy, movements, or issues in the K-12 curriculum.

Semester Hours: 4

Prerequisites:

graduate status and permission of instructor.

EDUC 601: Independent Study

Advanced independent research in a special area of education.

Semester Hours: 4

Prerequisites:

permission of the Director of the M.

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. Pre- or corequisite: MATH 121. Three lecture hours and three laboratory hours. Four semester hours.

Semester Hours: 4

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, team-work, project management, and communication. Several diverse and extended projects introduce students to current topics in engineering. Prerequisite: EGSC 110. Pre- or corequisite MATH 123. Three lecture hours and three laboratory hours. Four semester hours.

Semester Hours: 4

EGSC 210: Labview for Engineers

Study of Visual programming and experimental design using industry standard Lab View.

Semester Hours: 1

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: 1

Prerequisites:

EGSC 120

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.

Prerequisites: C or better in Biology 117, sophomore status, or permission of instructor. Three lecture hours and four laboratory hours. Four semester hours.

Semester Hours: 4

Prerequisites:

BIOL 117

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

Prerequisites:

EGSC 120

EGSC 320: Materials Science

The structure, bonding, and atomic arrangements in materials leading to their properties and applications. Prerequisites: EGSC 120 and CHEM 112. Three lecture hours and three laboratory hours. Four semester hours.

Semester Hours: 4

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. Prerequisites: EGSC 120, PHYS 202, and PHYS 355 or MATH 353. Three semester hours.

Semester Hours: 3

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

Prerequisites:

EGSC 120

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

Prerequisites:

EGSC 120

CHEM 112

EGSC 350: Special Topics in Engineering

Selected topics in engineering chosen in response to student needs and interests. Prerequisites: EGSC 120, sophomore status, and permission of instructor. Three or four semester hours.

Semester Hours: 3-4

Prerequisites:

EGSC 120

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. Prerequisites: EGSC 120, PHYS 202, and MATH 151, or departmental permission. Three lecture hours and three laboratory hours. Four semester hours.

Semester Hours: 4

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

Prerequisites:

PHYS 202

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

Prerequisites:

EGSC 320

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. Prerequisites: EGSC 120 and CHEM 312. Three semester hours.

Semester Hours: 3

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

Prerequisites:

EGSC 300

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. Prerequisites: engineering science major with junior or senior status, approval of department, and completion of appropriate courses as preparation for the desired work experience. Two to six semester hours. Pass-Fail only.

Semester Hours: 2

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. Prerequisites: engineering major with senior status and permission of department. One semester hour.

Semester Hours: 1

EGSC 499: Capstone Engineering Project

Implementation of an engineering project under the supervision of faculty. Prerequisite: EGSC 498. Three semester hours.

Semester Hours: 3

English

Professors

Scott Boltwood, Chair

Kathleen R. Chamberlain

Nicole Drewitz-Crockett

Felicia Mitchell

Mary Ellis Rice

Jennifer Krause

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

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

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

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

Prerequisites:

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.

Prerequisites:

101 or permission of instructor.

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3

Prerequisites:

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3

Prerequisites:

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3

Prerequisites:

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

Prerequisites:

101.

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

Prerequisites:

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

Prerequisites:

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 years. This course satisfies the Humanities Core requirement. Prerequisite: 101. *Three semester hours.*

Semester Hours: 3

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 introduce students to American Romanticism, Realism, and Naturalism.

Semester Hours: 3

Prerequisites:

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

Prerequisites:

101.

ENGL 261X: Christian Faith in Literature

Analysis of the contribution of works of fiction and poetry to an understanding of contemporary life and the proclamation of the Christian faith.

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3

Prerequisites:

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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

Prerequisites:

101.

ENGL 322: Writing Poetry

The writing of poetry, with attention to traditional prosody and innovations in contemporary poetry. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

Prerequisites:

101.

ENGL 323: Writing Prose Fiction

The writing of prose fiction, with emphasis on techniques of characterization, voice, plot development, and theme. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

Prerequisites:

101.

ENGL 325X: Introduction to Playwriting

Introduction to the major components of writing for the stage; emphasis on dramatic action, character, and dialogue; tools and techniques of playwriting; focus on the imagination and creativity of the student through the development of the one-act play.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

Prerequisites:

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-ATrail Program. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

Prerequisites:

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. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 3

Prerequisites:

101.

ENGL 333: Linguistics

Overview of general linguistic theories, including applied linguistics, psycholinguistics, and sociolinguistics. Nature, development, and acquisition of both first and second languages including knowledge of phonological, morphological, and semantic aspects of English and their impact on the development of vocabulary, spelling, and grammatical competence. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines.

Semester Hours: 3

Prerequisites:

101.

ENGL 350: Special Topics

Selected topics within any area of literature, comparative cultures and literature, criticism, and creative writing.

Semester Hours: 3

Prerequisites:

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

Prerequisites:
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

Prerequisites:
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

Prerequisites:
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. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

Prerequisites:

for seniors in the English major only, except with permission of department chair.

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

Prerequisites:

departmental approval.

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

Prerequisites:

departmental approval.

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

Prerequisites:

departmental approval.

ENGL 490: Honors Project

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

ENGL 491: Honors Project

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

ENGL 540: Chldrn Lit:criticism,research & App

Survey of classical to contemporary children's literature. Attention to criticism of children's literature and research about its teaching.

Semester Hours: 3

ENGL 545: Young Adult Lit:criticism,rese&appl

Survey of classical to contemporary young adult literature. Attention to criticism of young adult literature and research about its teaching.

Semester Hours: 3

ENGL 550: Topics in British Literature

Major works of British literature studied in the context of contemporary critical trends, with attention to innovative teaching strategies.

Semester Hours: 3

ENGL 555: Topics World Lit & Comparative Cultures

Major works of world literature studied in the context of contemporary critical trends, with attention to innovative teaching strategies.

Semester Hours: 3

ENGL 560: Topics in American Literature

In-depth coverage of a specific period or region (e.g., the American Renaissance, Literary Modernism, Southern Writing, Appalachian Literature).

Semester Hours: 3

ENGL 565: Literature and Culture

Major texts of African American, Native American, Asian American, and Hispanic writers, examined in historical and literary contexts.

Semester Hours: 3

ENGL 570: Literary Genres

A theoretical and critical introduction to the literary genres of poetry, prose fiction, prose, and drama, with selected readings of each.

Semester Hours: 3

ENGL 575: Creative Writing

Development and sharing of advanced projects in fiction, poetry, and drama, along with readings of contemporary writers.

Semester Hours: 3

ENGL 580: Creative Dramatics

Techniques for using drama in the classroom, as well as formalized production techniques. Children's theater, improvisation, storytelling, and dramatization of literature.

Semester Hours: 3

ENGL 585: Advanced Speech

Confident speaking, explanation, and direction giving. Introducing theater in the classroom through reports, discussion, and debate. Dialect, pronunciation, and pathology.

Semester Hours: 3

ENGL 600: Graduate Seminar

Intensive study of selected literary and/or rhetorical topics. Particular writers, movements, issues, or periods within any area of the English curriculum or canon.

Semester Hours: 4

ENGL 601: Independent Study

Advanced independent research in a special area of literature and criticism, or a creative writing project.

Semester Hours: 4

Prerequisites:

permission of the Director of the M.

Equine Studies

Professors

Patricia Graham-Thiers, Chair

Lisa Moosmueller-Terry

Heather Richardson

Jessica Denniston

EQST 101: Fundamentals of Riding-Beginner to Advanced Beginner

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

Prerequisites:

Instructor permission

EQST 102: Fundamentals of Riding-Advanced Beginner

Continuation of EQST 101.

Semester Hours: 1

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

Prerequisites:

Instructor permission

EQST 104: Intro to Show Ring Competition II

Continuation of EQST 103.

Semester Hours: 1

Prerequisites:

Instructor permission

EQST 201: Fundamentals of Riding-Intermediate I

Building on principles covered in EQST 101 and EQST 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

Prerequisites:

Instructor permission

EQST 202: Fundamentals of Riding-Intermediate II

Continuation of EQST 201.

Semester Hours: 1

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

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

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. Two lecture hours and additional practical lab hours.

Semester Hours: 4

Lecture Hours: 2

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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

Lecture Hours: 1

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

Prerequisites:

Instructor permission

EQST 302: Fundamentals of Riding-Advanced

A continuation of Equine Studies 301.

Semester Hours: 1

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

Prerequisites:

Instructor permission

EQST 304: Show Jumping Practicum IV

Continuation of EQST 303.

Semester Hours: 1

Prerequisites:

Instructor permission

EQST 305: Judging, Management & 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

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

Lecture Hours: 3

Prerequisites:

EQST 217 and junior status

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

Prerequisites:

Instructor permission

EQST 316: Applied Schooling II

Continuation of EQST 315.

Semester Hours: 2

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

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

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. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

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, biting, 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. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 3

Lecture Hours: 1

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

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**Lecture Hours: 3****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**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**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. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3**Prerequisites:**

EQST 324 and 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**Prerequisites:**

Instructor permission

EQST 344: Eventing II

A continuation of the skills acquired in EQST 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**Prerequisites:**

Instructor permission

EQST 350: Special Topics

Selected topics in Equine Studies chosen by the instructor in response to student interests. One to three semester hours.

Semester Hours: 3**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**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. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines. Two lecture hours and additional practical work as assigned.

Semester Hours: 3**EQST 401: Fundamentals-Advanced I**

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**Prerequisites:**

Instructor permission

EQST 402: Fundamentals-Advanced II

Continuation of EQST 401.

Semester Hours: 1**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

Prerequisites:

permission of instructor.

EQST 404: Show Jumping Practicum VI

Continuation of Equine Studies 403.

Semester Hours: 1

Prerequisites:

Instructor permission

EQST 415: Applied Schooling I

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

Prerequisites:

Instructor permission

EQST 416: Applied Schooling II

Continuation of EQST 415.

Semester Hours: 2

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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

Lecture Hours: 2

Prerequisites:

junior or senior status.

EQST 420: Senior Seminar

This course will assist the student in preparing a portfolio to help the student gain employment. Resume preparation and interviewing skills will be covered. Proficiency testing will be implemented through this class. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

Prerequisites:

Senior status

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

Prerequisites:

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EQST 424: Equine Studies Research

Students gain hands-on experience with research by assisting with ongoing equine nutrition and exercise physiology research projects.

Semester Hours: 3

Prerequisites:

Instructor permission

EQST 434: Independent Study

Students gain hands-on experience with research by assisting with ongoing equine nutrition and exercise physiology research projects.

Semester Hours: 3

Prerequisites:

Instructor permission

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

Lecture Hours: 3

Prerequisites:

Junior or senior status

EQST 470: Equine Studies Internship

On-the-job experience for majors in various segments of the horse industry.

Semester Hours: 3

Prerequisites:

Junior or senior status and departmental approval

Foreign Languages

Professors

Xiangyun Zhang, Chair

Mary Bell Boltwood

Gonzalo Baptista

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. No prerequisite for 101. Passing grade in 101 or result of Language Placement Test is prerequisite to 102.

Semester Hours: 3

Prerequisites:

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. No prerequisite for 101. Passing grade in 101 or result of Language Placement Test is prerequisite to 102.

Semester Hours: 3

Prerequisites:

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

Prerequisites:

Language 102 in the respective language.

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

Prerequisites:

Language 102 in the respective language.

CHIN 330: Study Abroad Program

Travel and study abroad in a program approved by the department.

Semester Hours: 3

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

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, offered for further development of reading and writing skills. Class conducted in Chinese language. May be repeated for credit.

Semester Hours: 3

Prerequisites:

Language 201 in the respective language.

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

Lecture Hours: 3

Prerequisites:

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. No prerequisite for 101. Passing grade in 101 or result of Language Placement Test is prerequisite to 102.

Semester Hours: 4

Lecture Hours: 3

Prerequisites:

FRCH 201: French Grammar

Intensive review of grammar and vocabulary, based on communicative approach to language learning.

Semester Hours: 3

Prerequisites:

102 or placement.

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. This course satisfies the proficiency requirement for Written and Oral Communication in the disciplines.

Semester Hours: 3

Prerequisites:

201.

FRCH 300: French Civilization

Introduction to French history, civilization, culture, and fine arts.

Semester Hours: 3

Prerequisites:

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

Prerequisites:

201.

FRCH 302A: Literature Survey I

Study of French literature from Middle Ages to 18th Century.

Semester Hours: 3

Prerequisites:

C or higher in 201, or permission of instructor.

FRCH 303A: Literature Survey II

Study of French literature from 19th Century to present.

Semester Hours: 3

Prerequisites:

C or higher in 201, or permission of instructor.

FRCH 304A: Literature Survey III

Study of literature of Francophone regions and countries in the world.

Semester Hours: 3

Prerequisites:

C or higher in 201, or permission of instructor.

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

Prerequisites:

201 or permission of instructor.

FRCH 330: Study-Abroad Program

Travel and study abroad in a program approved by the department.

Semester Hours: 3

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

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

Prerequisites:

two years of language study or permission of instructor.

FRCH 402: Advanced Conversation Gramm & Comp

Designed to increase facility in using French. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

Prerequisites:

junior status and C or higher in 201, or permission of instructor.

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

FRCH 460: Independent Study

Advanced directed study in a specific area.

Semester Hours: 4

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: 6

Prerequisites:

junior or senior status, approval of department, 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: 6

Prerequisites:

junior or senior status, approval of department, 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

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

Prerequisites:

senior status, GPA of 3.

FRCH 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

GREK 101: Beginning Greek I

Basic Koiné Greek grammar and vocabulary, and translation from the New Testament. 101 is prerequisite to 102.

Semester Hours: 3

Prerequisites:

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GREK 102: Beginning Greek II

Basic Koiné Greek grammar and vocabulary, and translation from the New Testament. 101 is prerequisite to 102.

Semester Hours: 3

Prerequisites:

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GREK 205: The Gospels

Translation of selected passages from New Testament gospels, developing vocabulary, grammar, and interpretive ability.

Semester Hours: 3

Prerequisites:

102.

GREK 301: Letters of Paul

Translation and interpretation of representative passages from Paul's writings.

Semester Hours: 3

Prerequisites:

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

Prerequisites:

two years of language study or permission of instructor.

GREK 433X: Paul

Exploration of Paul's life, writings, and influence on the Christian Church.

Semester Hours: 3

Prerequisites:

132 or permission of instructor.

GRMN 101: Beginning German I

Oral and written drill and mastery of minimum vocabulary. 101 or equivalent is prerequisite to 102.

Semester Hours: 3

Prerequisites:

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GRMN 102: Beginning German II

Oral and written drill and mastery of minimum vocabulary. 101 or equivalent is prerequisite to 102.

Semester Hours: 3

Prerequisites:

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GRMN 201: Intermediate German

Selected readings and review of grammar and vocabulary.

Semester Hours: 3

Prerequisites:

102 or placement.

GRMN 202: German Prose II

Selected readings and review of grammar and vocabulary.

Semester Hours: 3

Prerequisites:

202 or placement.

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

Prerequisites:

two years of language study or permission of instructor.

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. No prerequisite for 101. Passing grade in 101 or result of Language Placement Test is prerequisite to 102.

Semester Hours: 3

Prerequisites:

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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. No prerequisite for 101. Passing grade in 101 or result of Language Placement Test is prerequisite to 102.

Semester Hours: 3

Prerequisites:

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

Prerequisites:

Language 102 in the respective language.

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

Prerequisites:

Language 102 in the respective language.

LANG 203: Conversation

Training to develop natural patterns of speech. Vocabulary and usage of everyday conversation.

Semester Hours: 3

Prerequisites:

Language 102 in the respective language.

LANG 300: Conversation

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

Prerequisites:

Language 201 in the respective language.

LANG 402: Advanced Composition

Designed to increase facility in using the language.

Semester Hours: 3

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: 3-4

Prerequisites:

Senior status or permission of instructor; 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

Prerequisites:

No prerequisite for 101, Passing grade in 101 or result of Language Placement Test is prerequisite to 102.

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

Prerequisites:

No prerequisite for 101, Passing grade in 101 or result of Language Placement Test is prerequisite to 102.

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

Prerequisites:

Language 102 in the respective language.

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

Prerequisites:

Language 102 in the respective language.

LATN 330: Study Abroad Program

Travel and study abroad in a program approved by the department.

Semester Hours: 3

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

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: 1-3

Prerequisites:

Language 201 in the respective language.

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. No prerequisite for 101. Passing grade in 101 or result of Language Placement Test is prerequisite to 102.

Semester Hours: 4

Lecture Hours: 3

Prerequisites:

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. No prerequisite for 101. Passing grade in 101 or result of Language Placement Test is prerequisite to 102.

Semester Hours: 4

Lecture Hours: 3

Prerequisites:

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.

Semester Hours: 3

SPAN 106: Medical & Healthcare Spanish II

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. SPAN 105 (or permission from instructor) required to register for SPAN 106.

Semester Hours: 3

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

Prerequisites:

102 or placement.

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

Prerequisites:

201 or permission of instructor.

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

Prerequisites:

202A or permission of instructor.

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 analyze artifacts that represent Culture and Civilization in the Hispanic World.

Semester Hours: 3

Prerequisites:

202A or permission of instructor.

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

Prerequisites:

301 or permission of instructor.

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

Prerequisites:

201 or permission of instructor.

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

Lecture Hours: 1

Prerequisites:

201 and permission of instructor.

SPAN 330: Study Abroad Program

Travel and study abroad in a program approved by the department.

Semester Hours: 3

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

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

Prerequisites:

two years of language study or permission of instructor.

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 the City; Hispanic Women Writers.

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 Fictions; Diaspora and Identity. A Hispanic glance; Trans-Atlantic Approaches to Hispanic Studies; Crimes and Confessions in Hispanic Fictions.

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

Prerequisites:

302A or permission of instructor.

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

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

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

Prerequisites:

junior or senior status, approval of department, 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

Prerequisites:

junior or senior status, approval of department, 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

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

Prerequisites:

senior status, GPA of 3.

SPAN 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

General Studies

Michael J. Puglisi, Director

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

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

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. Corequisite: current enrollment in Mathematics 099, Mathematics 121 or Mathematics 123 and Permission of Department Chair. Two credit hours. This course may not be repeated for credit.

GNST 150: Strategies 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

GNST 151: Strategies for Academic Success II

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

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

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

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. One semester hour.

Semester Hours: 1

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

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

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.

GNST 401: Semester a Trail

Geography & Earth & Environmental Sciences

Professors

Edward H. Davis, Chair
Aaron Barth
Laura Hainsworth

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 program in **Environmental Studies** 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 college 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

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 be introduced to the different types of engineering, including aerospace, biomedical, chemical, civil, computer, electrical, environmental, and mechanical engineering. Pre or corequisite: MATH 121
Four credit hours.

Semester Hours: 4

ENVS 100: Introd 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

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. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines.

Semester Hours: 4

Prerequisites:
Chemistry 111.

ENVS 205X: 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

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

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

ENVS 212X: 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. This course satisfies the Natural Sciences Core requirement.

Semester Hours: 4

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

Prerequisites:

Environmental Studies 100.

ENVS 285: Research Experience Envs Study

Research experience through assistance in faculty-led research projects.

Semester Hours: 1

Prerequisites:

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

Prerequisites:

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

Prerequisites:

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

Prerequisites:

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

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

Environmental Studies 100 and Statistics 161.

ENVS 320X: 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

Prerequisites:

111 or 112, and Mathematics 123.

ENVS 322X: 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. This course satisfies the proficiency requirements for Oral Communication and Written Communication in the disciplines.

Semester Hours: 3

ENVS 350: ST: Environmental Studies

Selected topics in environmental science and/or policy. Topics chosen by instructors in consultation with students.

Semester Hours: 4

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. This course satisfies the proficiency requirements for Oral Communication and Written Communication in the disciplines. Open to senior Environmental Studies majors or by permission of instructors.

Semester Hours: 3

ENVS 460: Independent Study

Independent research under faculty supervision by students either in the policy track or in the science track.

Semester Hours: 4

Prerequisites:

senior status or permission of instructor; 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

Prerequisites:

junior or senior status, permission of program director, 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

Prerequisites:

junior or senior status, permission of program director, 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

Prerequisites:

senior status, GPA of 3.

ENVS 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

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. This course satisfies the Modes of Inquiry requirement for Understanding the Natural World.

Semester Hours: 4

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

Prerequisites:

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

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

ESCI 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. This course satisfies the Modes of Inquiry requirement for Understanding the Natural World. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 4

ESCI 310A: General Oceanography

Part (a): chemical and biological aspects of the ocean environment; emphasis on life in the beach zone; chemical factors important to study of the ocean world.

Semester Hours: 2

Prerequisites:

permission of instructor.

ESCI 310B: General Oceanography

Part (a): chemical and biological aspects of the ocean environment; emphasis on life in the beach zone; chemical factors important to study of the ocean world.

Semester Hours: 2

Prerequisites:

permission of instructor.

ESCI 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

Prerequisites:

111 or 112, and Mathematics 123.

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

ESCI 400: Field Study

A culminating earth science experience in which skills in field geology are developed and geological sites are investigated; travel required. Each section lasts one week and earns one semester hour of credit. Week 1 (part a) devoted to using tools of geology and the construction of a geologic map. Weeks 2-5 (parts b-e) involve close study of sites in Southwest Virginia and other regions. Depending on student needs, field trips in meteorology and astronomy may be substituted for some geology activities.

Semester Hours: 1

Prerequisites:

111, 112, and permission of instructor.

ESCI 400A: Field Study

A culminating earth science experience in which skills in field geology are developed and geological sites are investigated; travel required. Each section lasts one week and earns one semester hour of credit. Week 1 (part a) devoted to using tools of geology and the construction of a geologic map. Weeks 2-5 (parts b-e) involve close study of sites in Southwest Virginia and other regions. Depending on student needs, field trips in meteorology and astronomy may be substituted for some geology activities.

Semester Hours: 1

Prerequisites:

111, 112, and permission of instructor.

ESCI 400B: Field Study

A culminating earth science experience in which skills in field geology are developed and geological sites are investigated; travel required. Each section lasts one week and earns one semester hour of credit. Week 1 (part a) devoted to using tools of geology and the construction of a geologic map. Weeks 2-5 (parts b-e) involve close study of sites in Southwest Virginia and other regions. Depending on student needs, field trips in meteorology and astronomy may be substituted for some geology activities.

Semester Hours: 1

Prerequisites:

111, 112, and permission of instructor.

ESCI 400C: Field Study

A culminating earth science experience in which skills in field geology are developed and geological sites are investigated; travel required. Each section lasts one week and earns one semester hour of credit. Week 1 (part a) devoted to using tools of geology and the construction of a geologic map. Weeks 2-5 (parts b-e) involve close study of sites in Southwest Virginia and other regions. Depending on student needs, field trips in meteorology and astronomy may be substituted for some geology activities.

Semester Hours: 1

Prerequisites:

111, 112, and permission of instructor.

ESCI 400D: Field Study

A culminating earth science experience in which skills in field geology are developed and geological sites are investigated; travel required. Each section lasts one week and earns one semester hour of credit. Week 1 (part a) devoted to using tools of geology and the construction of a geologic map. Weeks 2-5 (parts b-e) involve close study of sites in Southwest Virginia and other regions. Depending on student needs, field trips in meteorology and astronomy may be substituted for some geology activities.

Semester Hours: 1

Prerequisites:

111, 112, and permission of instructor.

ESCI 400E: Field Study

A culminating earth science experience in which skills in field geology are developed and geological sites are investigated; travel required. Each section lasts one week and earns one semester hour of credit. Week 1 (part a) devoted to using tools of geology and the construction of a geologic map. Weeks 2-5 (parts b-e) involve close study of sites in Southwest Virginia and other regions. Depending on student needs, field trips in meteorology and astronomy may be substituted for some geology activities.

Semester Hours: 1

Prerequisites:

111, 112, and permission of instructor.

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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

GEOG 201X: 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

GEOG 202X: 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

GEOG 205: Environment & Planning

Introduction to contemporary environmental issues and problem solving at various geographic scales. Particular attention given to planning approaches to environmental issues. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

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. This course satisfies the International Exploration requirement.

Semester Hours: 3

GEOG 316X: 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

GEOG 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. This course satisfies the proficiency requirements for Oral Communication and Written Communication in the disciplines.

Semester Hours: 3

Prerequisites:

205.

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

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

GEOG 350X: 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

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

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

GEOG 450: Seminar

Regional studies not included in regular course sequence, such as Russia, China, Africa, or East Europe, or systematic or topical studies such as geographic concepts, research methods, urban studies.

Semester Hours: 3

Prerequisites:

junior and senior majors in geography; students from closely related fields accepted by special permission.

GEOG 460: Independent Study

Advanced independent research in a specific area of geography, under the supervision of a faculty member.

Semester Hours: 4

Prerequisites:

juniors and seniors with departmental permission.

GEOG 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

Prerequisites:

junior or senior status and departmental permission.

GEOG 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

Prerequisites:

junior or senior status and departmental permission.

Health & Human Performance

Professors

Beverly Sheddan, Chair
Rebecca R. Buchanan
Joy Scruggs

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 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.

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

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. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 3

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

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.

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

HHP 232: 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, community health agencies, and community health services.

Semester Hours: 3

Prerequisites:

sophomore status and enrollment in a teacher preparation program, or permission of instructor.

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

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

HHP 251: Safety Education

General safety as it relates to the total program. Recreational, occupational, and home safety. Student projects in safety and first aid including CPR and liability.

Semester Hours: 3

HHP 261: Applied Anatomy & Kinesiology

Structural anatomy and its applications to performance. Exploration of biomechanical concepts of human movement.

Semester Hours: 3

HHP 310: The Wide World of Sports

Examination of sport throughout the world, including sports which are more popular outside the United States, such as soccer, rugby, and cycling, as well as those even lesser known in the United States. Examination of sport organizations and structure, as well as international competition and venues. (When taken as the corresponding ETLA 240 topic, this course satisfies the Emory Abroad requirement.) This course satisfies the International Exploration requirement.

Semester Hours: 3

HHP 310X: 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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 4

Lecture Hours: 3

Prerequisites:

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

Prerequisites:

211.

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. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines.

Semester Hours: 3

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

Prerequisites:

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

Prerequisites:

junior status.

HHP 341: Principles of Method Class in - Car Inst
Basic methods and techniques in teaching driver education. Includes twenty hours of behind-the-wheel instruction.

Semester Hours: 3

Prerequisites:

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

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. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

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. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

HHP 441: 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. Junior status or departmental permission.

Semester Hours: 3

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

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

Prerequisites:

2.

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

Prerequisites:

2.

History

Professors

Thomas J. Little, Chair

Matthew Shannon

Jack Wells

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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

HIST 111: American Hist 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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

HIST 112: American Hist 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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3**HIST 122: Modern Europe**

History of early modern and modern Europe from the emergence of the Renaissance to the present. This course satisfies the proficiency requirement for Written Communication in the disciplines. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3**HIST 123: America and the World**

Rise of America from a colonial marchland 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**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. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 3**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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3**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. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines.

Semester Hours: 3**HIST 232: Myth Magic Ritual-Ancient Wld**

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3**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**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-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**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**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

HIST 309: Studies in U.S. Women's Hsty

Women's history in the U.S. from colonial times to the present with emphasis on the nineteenth and twentieth centuries.

Semester Hours: 3

HIST 310X: 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

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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

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

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

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

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

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

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

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

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

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

HIST 352X: Jesus

Exploration of historical, literary, and artistic portrayals of Jesus through the centuries.

Semester Hours: 3

Prerequisites:

132 or permission of instructor.

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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

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

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

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

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

Prerequisites:

2.

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

Prerequisites:

2.

HIST 490: Honors Project

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

HIST 491: Honors Project

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

HIST 502: Colonial & Revolutionary America

Events and ideas involved in the long colonial era, especially in Virginia, and the seminal intellectual and cultural conceptions of the American Revolution.

Semester Hours: 3

HIST 503: Middle Period America

Events and ideas involved in the critical formative period of nation-building in the early and middle 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

HIST 505: Historiography and Methods

Appraisal of major themes in historical writing and major approaches to historical problems, emphasizing a comparative approach to selected historical traditions.

Semester Hours: 3

HIST 507: 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

HIST 516: History & Geography of Virginia & Tenn

Comparative study of geography and history of two southern states. Emphasis on graduate-level research and teacher responsibilities in the public schools with regard to the standards of learning.

Semester Hours: 3

HIST 517: Modern American Studies

An American Studies approach to cultural development and ideological growth in modern American society, with special emphasis on regional patterns.

Semester Hours: 3

HIST 519: Pragmatism/Modern American

Philosophical and intellectual currents in the U. S. states since 1911, with special emphasis on pragmatic ideas and reformism in late liberal rationalism.

Semester Hours: 3

HIST 520: Indust & Economic Development

Industrialization and rise of managerial bourgeoisie, petite bourgeoisie, proletariat, and laboring class from the early post-bellum era to the present; organizational capitalism and imperialism, radical protests, the "take-off" phase of industrial development and high mass consumption in the post-industrial era.

Semester Hours: 3

HIST 536: World Wars

The two World Wars in imperialist context and with cross-cultural perspective. Economic causes and consequences, and ideological currents. Battlefield tactics and broader social strategies.

Semester Hours: 3

HIST 539: Europe in Postwar Era

Close examination of the history of Eastern and Western Europe from the end of World War II to the present. Focus on the political and economic reconstruction of early postwar Europe, the role of Europe in the Cold War, the emergence of the "New Europe" in the post-communist period, and the transformation of Europe's political, economic, and cultural relations with the United States.

Semester Hours: 3

HIST 540: 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

HIST 550: ST in American History

Selected topics in history chosen by instructor in response to students. May be re-taken for credit for different topics.

Semester Hours: 3

HIST 552: Latin America

Comparative analysis of structural continuities and revolutions in Latin American history since the pre-Columbian era.

Semester Hours: 3

HIST 600: Seminar

Capstone course involving original research and investigation of important secondary sources, leading to a major research paper concerning developments in American history, with emphasis on educational problems and classroom challenges.

Semester Hours: 3

International Studies

Professors

Krystin Krause, Program Director

Sarah Fisher

INST 101X: Mass Media and Society

Semester Hours: 3

INST 105X: 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. This course satisfies the International Exploration requirement.

Semester Hours: 3

INST 162X: History

Semester Hours: 3

INST 164X: The Modern Middle East

Semester Hours: 3

INST 203X: World Literature

Semester Hours: 3

INST 212X: Asian Religions

Semester Hours: 3

INST 215X: Introduction to Comparative Politics

Semester Hours: 3

INST 221X: Cultures and Peoples

Semester Hours: 3

INST 223X: International Political Econom

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

Prerequisites:

Economics 151 and 152 and Political Science 105.

INST 225X: Comparative Politics in the Middle East and North Africa

INST 234X: Comparative Slavery and Race Relations in the Americas

Semester Hours: 3

INST 245X: Comparative Politics of Asia

Semester Hours: 3

INST 252X: Major British Writers III

Semester Hours: 3

INST 255X: Politics of Latin America

Semester Hours: 3

INST 260X: Studies in Culture

Semester Hours: 3

INST 305X: Approaching Global History

Semester Hours: 3

INST 306X: Asian Philosophies

Semester Hours: 3

INST 314X: Islam

Semester Hours: 3

INST 328X: Comparative Immigration

Semester Hours: 3

INST 329X: Democracy and Democratization

Semester Hours: 3

INST 333X: Geography and Economy of Europe

Semester Hours: 3

INST 336X: International Cold War

Semester Hours: 3

INST 429X: 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

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

INST 460: Independent Study

Mass Communications

Professors

Tracy Lauder, Chair

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. This course satisfies the Social Sciences Core requirement. *Three semester hours.*

Semester Hours: 3

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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 4

Prerequisites:

English 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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

MCOM 210: Electronic Media Production

Development of programming for electronic media. Emphasis on research, writing, production, and video editing, including news, promotional formats, and other longer-form programming. Some attention to preparing a variety of electronic media files for the web. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

MCOM 250: Women and Media

Current and historical relationship of women with media. Women as subject matter, audience, and participants in various media forms. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

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. This course satisfies the proficiency requirements for Written Communication and Quantitative Literacy in the Disciplines.

Semester Hours: 3

Prerequisites:

English 101.

MCOM 263: Sports Communication

Development of skills in the art and science of sports communications and exploration of the impact of communication on the experience of sport. Students will study the impact of media on sport consumption and the influence of communication within sporting organizations. Cultural, organizational and critical theoretical approaches will be applied to various contexts of sport including sports journalism, sports organizations, sport films, and other media to explore contemporary issues of sport communication.

MCOM 271X: 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

Prerequisites:

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

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

Prerequisites:

C or better in 202.

MCOM 320: Social Media and Practice

This course combines theory and practice to understand how social media is used for communication to attract and engage audiences. Students gain hands-on experience by experimenting with social media, producing a portfolio of multimedia stories, and building their own professional online brand. An emphasis is placed on critically assessing the credibility and authenticity of user-generated content, online etiquette, and social media ethics.

Semester Hours: 3

Prerequisites:

101 or sophomore status.

MCOM 321X: 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

Prerequisites:

101.

MCOM 350: Special Topics

Selected topics in the field with particular emphasis determined by student interest.

Semester Hours: 3

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 major in mass communications.

MCOM 390: Persuasive Communication

Introduction to persuasion theory, research, ethics, and methods with emphasis on analysis of and application to mass media messages. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 3

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

Prerequisites:

C or better in 204.

MCOM 410: Advanced Video Production

Advanced work in producing programming for electronic media. Emphasis on longer forms of video presentation. Study of contemporary documentaries included. Other long-form media presentations may be required.

Semester Hours: 3

Prerequisites:

C or better in 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

Prerequisites:

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

Prerequisites:

202, 204, 390, and junior status.

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. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

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: 1-4

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: 2-6

Prerequisites:

junior or senior status, permission of department.

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: 2-6

Prerequisites:

junior or senior status, permission of department.

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

Prerequisites:

senior status and departmental permission.

MCOM 490: Honors Thesis I

Independent research in a special topic for honors.

Semester Hours: 1-3

Prerequisites:

senior status, GPA of 3.5 in the major and 3.3 overall, and permission of all members of the department.

MCOM 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 1-3

Prerequisites:

senior status, GPA of 3.5 in the major and 3.3 overall, and permission of all members of the department.

Mathematics

Professors

Xiaoxue Li, Chair

John Iskra

Christina C. Carroll

Crystal Hall

MATH 99: Fundamental Algebra

Review of properties, and operations on real numbers, fractions, decimals and a clear demonstration of proficiency using percents and percentages, introduction to variable expressions and equations, simplifying expressions, solving linear equations and inequalities, graphing linear equations and inequalities, solving systems of equations graphically and by substitution, exponents, and operations on polynomials. Placement into 099 is determined by an algorithm based on SAT (or equivalent ACT) math scores and high school GPA. This course does not fulfill mathematics requirements. A student in Mathematics 099 must earn a grade of at least C- in order to take Mathematics 121. The course counts as three semester hours toward financial aid and eligibility standards but does not count as credit earned toward graduation or enter into a student's GPA.

Semester Hours: 3

MATH 100: Fundamental Algebra

Introduction to variable expressions and equations, simplifying expressions, solving linear equations and inequalities, graphing linear equations and inequalities, solving systems of equations graphically and by substitution, exponents, operations on polynomials, factoring polynomial equations, solving quadratic equations, and quadratic functions. In addition, students will learn to address math anxiety, math study skills, and how studying mathematics will benefit future career and academic opportunities. Placement into 100 is determined by an algorithm based on SAT (or equivalent ACT) math scores and high school GPA. This course does not fulfill the mathematics requirement for any major. A student in Mathematics 100 must earn a grade of at least C- in order to take MATH 121.

Semester Hours: 3

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

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, grade of C- or better in MATH 099, or results of a placement exam.

Semester Hours: 3

Prerequisites:

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MATH 123: Pre-Calculus

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, trigonometry including analytical trigonometry, and an introduction to limits. This class is not intended as a terminal mathematics course. Prerequisites can be satisfied by a C or better in MATH 121 or placement as determined by a departmental placement exam. This course is taught in Fall and Spring semesters.

Semester Hours: 3

Prerequisites:

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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

Prerequisites:

Grade of C or higher in MATH 123 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

Prerequisites:

Grade of C or higher in MATH 151 or instructor permission

MATH 161X: 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

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. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 3

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

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

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

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

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

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

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

Prerequisites:

MATH 201 and MATH 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. This course satisfies the proficiency requirements for Ethical Reasoning and Quantitative Literacy in the disciplines.

Semester Hours: 3

Prerequisites:

MATH 152 and STAT161 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. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

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. This course satisfies the proficiency requirements for Oral Communication and Written Communication in the disciplines.

Semester Hours: 3

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

Prerequisites:

MATH 201 and MATH 321

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

Prerequisites:

MATH 321 and MATH 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

Prerequisites:

MATH 201 and MATH 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

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

Prerequisites:

Junior or senior status and 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: 2-6

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: 2-6

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

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

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

Prerequisites:

Senior status and GPA of 3.0 or higher

MATH 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

Senior status and GPA of 3.0 or higher

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/

E&H Professors

Michelle Bell

The military science program is a cooperative enterprise between among 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 of leadership 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

MSCI 1181: Tactical Leadership

Practical application of leadership skills and an introduction to military drills and ceremonies. Uniforms will be issued to participants. Individuals who sign up for MSCI 1181 must also enroll in MSCI 2110. (repeatable for credit one time)

Semester Hours: 1

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

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

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 receive basic marksmanship training.

Semester Hours: 1

Prerequisites:

Completion of 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

MSCI 2140: Special Problems

Course is designed for students with individual development needs as determined by faculty.

Semester Hours: 3

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

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

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

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-making, persuading, and motivating team members in changing operating environments.

Semester Hours: 3

Prerequisites:

Completion of 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. Course is required for contracted Cadets.

Course may be repeated up to three (3) times for credit.

Semester Hours: 1

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

Prerequisites:

Completion of 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

Prerequisites:

Completion of 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

Prerequisites:

Approval of Professor of Military Science.

MSCI 4580: Leadership Development 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

Prerequisites:

Completion of 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

Music

Professors

Lisa Withers, Chair

Matthew D. Frederick

Michelle Bell

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

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

MUSC 152: Music Theory I

Development of reading and writing skills related to basic musicianship and musical literacy.

Semester Hours: 3

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

MUSC 162: Music Theory II

Diatonic harmony; tonal and linear analysis; written harmonization of simple tonal melodies and bass patterns.

Semester Hours: 3

Prerequisites:

C- or higher in 152 or permission of instructor.

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

Prerequisites:

C- or higher in 153 or permission of instructor.

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

Prerequisites:

applied voice study or permission of instructor.

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

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

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

Prerequisites:

C- or higher in 162 or permission of instructor.

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

Prerequisites:

C- or higher in 163 or permission of instructor.

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

Prerequisites:

C- or higher in 252 or permission of instructor.

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

Prerequisites:

C- or higher in 253 or permission of instructor.

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

Prerequisites:

C- or higher in 162 or permission of instructor.

MUSC 302: Music History II

Historical survey of music history from 1750 to the present. This course satisfies the proficiency requirements for Written Communication and Critical Thinking in the disciplines.

Semester Hours: 3

Prerequisites:

C- or higher in 301 or permission of instructor.

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

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

Prerequisites:

303.

MUSC 305: Conducting I-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. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines.

Semester Hours: 2

Prerequisites:

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

Prerequisites:

permission of instructor.

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

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

Prerequisites:

private piano study and permission of instructor.

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

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

Prerequisites:

private piano study and permission of instructor.

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

Prerequisites:

MUSP 216 or MUSP 416 and permission of instructor.

MUSC 325: Junior Recital

Required of all music performance majors during their third year of private study. One-half semester hour.

Semester Hours: 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

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. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines.

Semester Hours: 3

Prerequisites:

252.

MUSC 425: Senior Recital

Required of all music performance majors during their final year of private study. One-half semester hour.

Semester Hours: 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

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

Prerequisites:

departmental permission.

MUSC 490: Honors Thesis I

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

MUSC 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

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

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

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

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

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. Prerequisite for 110B: C- or higher in 110A.

Semester Hours: 1

Prerequisites:

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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

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

MUSP 210A: Piano Class III

Continuation of 110A-110B. Preparation for the keyboard proficiency examination. Classes held on the ninekeyboard electronic piano lab. Prerequisite for 210A: C- or higher in 110A-110B or permission of instructor. Prerequisite for 210B: C- or higher in 210A.

Semester Hours: 1

Prerequisites:

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MUSP 210B: Piano Class IV

Continuation of 110A-110B. Preparation for the keyboard proficiency examination. Classes held on the ninekeyboard electronic piano lab. Prerequisite for 210A: C- or higher in 110A-110B or permission of instructor. Prerequisite for 210B: C- or higher in 210A.

Semester Hours: 1

Prerequisites:

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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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

Prerequisites:

prior experience in piano and permission of instructor.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

Prerequisites:

prior experience in piano and permission of instructor.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

Prerequisites:

prior experience in guitar and permission of instructor.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

Prerequisites:

prior experience in brass and permission of instructor.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

Prerequisites:

prior experience in woodwinds and permission of instructor.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

Prerequisites:

prior experience in voice and permission of instructor.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Prerequisites:

prior experience in strings and permission of instructor.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Prerequisites:

prior experience in percussion and permission of instructor.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression. One hour per week. One-half semester hour. May be repeated for credit.

Semester Hours: 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. This course counts toward the Modes of Inquiry requirement for Artistic Expression. Four hours per week. One-half semester hour. May be repeated for credit.

Semester Hours: 0

MUSP 231: Choir Ensemble

Participation by audition only. Various vocal combinations possible. One to three hours of rehearsal per week. One-half semester hour. May be repeated for credit.

Semester Hours: 0

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. This course counts toward the Modes of Inquiry Requirement for Artistic Expression. One-half semester hour. May be repeated for credit.

Semester Hours: 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

MUSP 234: Guitar Ensemble

Participation by audition only. One or two hours of rehearsal per week; performances at various campus venues. This course counts toward the Modes of Inquiry requirement for Artistic Expression. One-half semester hour. May be repeated for credit.

Semester Hours: 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. This course counts toward the Modes of Inquiry requirement for Artistic Expression. One-half semester hour. May be repeated for credit.

Semester Hours: 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. This course counts toward the Modes of Inquiry requirement for Artistic Expression. One-half semester hour. May be repeated for credit.

Semester Hours: 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. This course counts toward the Modes of Inquiry requirement for Artistic Expression. One-half semester hour. May be repeated for credit.

Semester Hours: 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. This course counts toward the Modes of Inquiry requirement for Artistic Expression. One-half semester hour. May be repeated for credit.

Semester Hours: 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. This course counts toward the Modes of Inquiry requirement for Artistic Expression. One-half semester hour. May be repeated for credit.

Semester Hours: 0

MUSP 240: Opera Workshop

Performance of excerpts from the standard repertoire. Open to coaches, accompanists, and stage directors as well as singers. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 4

Prerequisites:

permission of instructor.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

Prerequisites:

prior experience in piano and permission of instructor.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

Prerequisites:

prior experience in organ and permission of instructor.

MUSP 413: Advanced Guitar-Private

Studio lessons in guitar, primarily for music majors at the advanced level. One hour lesson per week. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

Prerequisites:

prior experience in guitar and permission of instructor.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

Prerequisites:

prior experience in brass and permission of instructor.

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. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

Prerequisites:

prior experience in woodwinds and permission of instructor.

MUSP 416: Advanced Voice-Private

Studio lessons in voice, primarily for music majors at the advanced level. One hour lesson per week. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

Prerequisites:

prior experience in voice and permission of instructor.

Nursing

Professors

Sandra Farmer, Director

NURS 200: Global Issues in Healthcare

This hybrid course enables focus to be placed on the economic, political, and social problems faced in healthcare globally.

Semester Hours: 2

NURS 201: Cultural Concepts in Healthcare

Exploration of the meaning of being human, caring, empathetic, and understanding of the healthcare needs of a multicultural society. This is a hybrid course.

Semester Hours: 2

NURS 202: Pathophysiology

This online course offers the study of the physiological changes resulting from illness and imbalances which may occur throughout the lifespan. The highlight is on the relevance of concepts of adaptation and homeostasis of the body systems and association to nursing practice.

Semester Hours: 3

NURS 203/203L: Fundamentals of Nursing

Introduction to the fundamental skills essential to the profession of nursing based on the meta paradigm of person, health, environment, and nursing. Students will focus on the care of individuals with altered health patterns and in the basic skills required in providing competent nursing care.

Semester Hours: 5

Prerequisites:

BIOL 120 and BIOL 121

Co-Requisites:

NURS 202 and NURS 205.

NURS 204/204L: Healthcare of the Elderly

A study of the care needs specific to the elderly population. Students will be placed in nursing care facilities and conduct basic nursing skills.

Semester Hours: 5

Prerequisites:

BIOL 120, 121; NURS 202, 203, 205

NURS 205: Health Assessment

The development of skills in conducting a thorough, comprehensive health assessment with health history taking. Students will apply communication techniques in interviewing, the use of standard nursing assessment tools, ability to document findings from the assessment, and to analyze the data gathered to formulate a plan of care and promotion and health teaching of information from collected data. This course will involve lab time in the nursing lab and simulation lab.

Semester Hours: 3

Prerequisites:

BIOL 120, 121.

Co-Requisites:

NURS 202, 203.

NURS 300: Nursing Ethics

This online course will enable nursing students to explore ethical issues which impact healthcare delivery in today's society.

Semester Hours: 3

NURS 301: Substance Abuse Issues

This online course is designed to enable students to develop an understanding of addiction and the reciprocal interaction of the addicted individual and societal systems in which they are a part. The focus of the course will be on substance abuse and the compulsive behaviors associated with addiction. There will also be emphasis on addictions in special populations and how to identify an individual who is addicted and the resources available for prevention.

Semester Hours: 3

NURS 302: Pharmacology I

The introduction to pharmacologic and pharmacokinetic knowledge. The student will understand the purpose in selection of the appropriate medication, the route, dose, and dosing schedules. Skills will be obtained in administration of medications - oral, intramuscular, intravenous, and intradermal. Students will demonstrate competency in safe administration of medications across the lifespan.

Semester Hours: 3

Prerequisites:

BIOL 120, 121; NURS 202, 203, 204, 205.

Co-Requisites:

NURS 304, 305.

NURS 303: Pharmacology II

Continued focus on relationship between pharmacologic and pharmacokinetic knowledge. Emphasis will be placed on critical thinking skills relate to safe medication administration, monitoring for adverse effects across the lifespan.

Semester Hours: 3

Prerequisites:

BIOL 120, 121; NURS 202,203,204,205,302,304,305.

Co-Requisites:

NURS 306, 307

NURS 304/304L: Medical-Surgical Nursing I

This introductory course will enable students to learn about minor disease processes, pharmacologic treatments, diagnostic and laboratory testing, and nursing management of care. Students will utilize nursing skills obtained in providing appropriate care and teaching opportunities for patients.

Semester Hours: 5

Prerequisites:

BIOL 120, 121; NURS 202, 203, 204, 205.

Co-Requisites:

NURS 302, 305.

NURS 305/305L: Psychiatric Nursing

Professional mental health roles for the nurse through the constructs of caring, communication skills, and in management of the therapeutic milieu.

Semester Hours: 5

Prerequisites:

BIOL 120, 121; NURS 202,203,204,205.

Co-Requisites:

Three lecture hours and two lab/clinical hours.

NURS 306/306L: Maternal-Child Nursing

Assimilation of the metaparadigm of person, health, environment, and nursing in providing the care of expectant mothers, newborns, and families.

Semester Hours: 5

Prerequisites:

BIOL 120, 121; NURS 202,203,204,205,302,304,305.

Co-Requisites:

Three lecture hours and two lab/clinical hours.

NURS 307/307L: Pediatric Nursing

Concepts of care provided to patients from infancy to adolescents with focus on promoting, maintaining, and restoring health of the child while advocating the importance of being an integral member of the family unit. Students will utilize the nursing process in the planning and implementation of care provided to the child and family.

Semester Hours: 5

Prerequisites:

BIOL 120, 121; NURS 202,203 204,205,302,304,305.

Co-Requisites:

NURS 303, 306. Three lecture hours and two lab/clinical hours.

NURS 400: Pathophysiology

This online course offers the study of the physiological changes resulting from illness and imbalances which may occur throughout the lifespan. The highlight is on the relevance of concepts of adaptation and homeostasis of the body systems and association to nursing practice.

Semester Hours: 3

Prerequisites:

Anatomy and Physiology; Microbiology.

NURS 401: Informatics & Technology

Explore ethical, legal, professional and social concerns related to healthcare informatics and technology. Access, relevance, evaluation and influence on clinical technology and information systems which are integrated in data management, education, evidence-based practice, client care, and research. Will examine current and developing technologies utilized in healthcare and software applications. This is a hybrid online course.

Semester Hours: 3

Prerequisites:

Admission to RN to BSN program.

NURS 402: Informatics & Technology

The study of historical development and advancement of research in nursing and the utilization of evidence-based practice to guide current nursing practices. Students will engage in scholarly inquiry of evidence-based research to implement strategies to be utilized in current nursing practice. This course will be a hybrid course with primarily online instruction. Three semester credit hours.

Semester Hours: 3

NURS 403: Evidence-Based Practice and Research in Nursing

A didactic and clinical course based in evidence-based practice designed for the application of professional nursing concepts into practice. Significant concepts include skills of leadership and management, self-directed learning, interdisciplinary collaboration and teamwork, time management, and quality improvement. A required project will be presented demonstrating evidence-based practice and scholarly inquiry. This course will be a hybrid course with online and face-to-face instruction. Five semester credit hours.

Semester Hours: 3

NURS 404: Leadership & Management in Nursing

This online course will enable students to develop understanding of healthcare economics, financing, and policies which have a significant impact on the provision of care, nursing practice, and society implications. Three semester credit hours.

Semester Hours: 5

NURS 405: Healthcare Policy & Finance

Application of the nursing metaparadigm to synthesize nursing knowledge of health issues across a multicultural lifespan population. Health prevention (primary, secondary, and tertiary) and health promotion principles will be emphasized. This clinical course will involve community experiences in varied settings. This course will be a hybrid course with online and face-to-face instruction. Five semester credit hours.

Semester Hours: 3

NURS 406: Population & Community Nursing

The RN to BSN Practicum is the capstone course. The student participates in academic endeavors which indicates 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 is a hybrid course with clinical application. Four semester credit hours.

Semester Hours: 5

NURS 407: RN to BSN Practicum

The RN to BSN Practicum is the capstone course. The student participates in academic endeavors which indicates 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 is a hybrid course with clinical application.

Semester Hours: 4

NURS 408: Role Transition - Nursing Profession

Synthesis of knowledge acquired for the transition to professional nursing practice. Will address themes of: communication, collaboration and interprofessional teamwork, quality improvement and safety, evidence-based practice, leadership, informatics and technology. This is an online course. Prerequisite: RN Licensure; Admission to RN-BSN program. Three semester credit hours.

NURS 409/409L: Medical Surgical Nursing II

Identify and incorporate health promotion interventions into nursing practice. Develop a higher level of understanding related to advanced disease processes with emphasis in applying critical thinking skills in implementation of nursing care specific to care of the patient. Study of actions and reactions which place a patient in a potential or actual life-threatening state. Critical care interventions in a high-tech setting will enable students to implement critical care intervention modalities.

Semester Hours: 5

Prerequisites:

BIOL 120, 121; All NURS 200 and 300 courses.

Co-Requisites:

NURS 410,414.

NURS 410/410L: Leadership & Management in Nursing

A didactic and clinical course based in evidence-based practice designed for the application of professional nursing concepts into practice. Significant concepts include skills of leadership and management, self-directed learning, interdisciplinary collaboration and teamwork, time management, and quality improvement.

Semester Hours: 5

Prerequisites:

All NURS 200 and 300 courses.

Co-Requisites:

NURS 409,414.

NURS 411/411L: Population & Community Nursing

Application of the nursing metaparadigm to synthesize nursing knowledge of health issues across a multi-cultural lifespan population. Health prevention (primary, secondary, and tertiary) and health promotion principles will be emphasized. This clinical course will involve community experiences in varied settings.

Semester Hours: 5

Prerequisites:

All NURS 200 and 300 level courses, NURS 409,410.

Co-Requisites:

NURS 412,413.

NURS 412/412L: Nursing Capstone

The student participates in academic endeavors which indicates 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.

Semester Hours: 4

Prerequisites:

All NURS 200 and 300 level courses; NURS 402,403,409,410,414.

Co-Requisites:

NURS 411,413.

NURS 413: NCLEX Prep

Course designed for senior nursing students to prepare for the NCLEX-RN licensure exam with focus being on the current test plan and student's identified learning needs.

Semester Hours: 2

Prerequisites:

All NURS 200 and 300 courses; NURS 402, 403,409,410,414.

Co-Requisites:

NURS 411,412.

NURS 414: Transition to Practice

Synthesis of knowledge acquired for the transition to professional nursing practice. Will address themes of: communication, collaboration and interprofessional teamwork, quality improvement and safety, evidence-based practice, leadership, informatics and technology.

Semester Hours: 2

Prerequisites:

All NURS 200 and 300 courses; NURS 402, 403.

Co-Requisites:

NURS 409,410.

Peace & Social Justice Studies

Travis Proffitt, Program Advisor

PJST 100: Introduction to Peace & Social Justice

Exploration and survey of the fields of peacebuilding, conflict resolution, 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

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

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

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

PJST 400: Capstone Internship and Semina

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

Philosophy, Political Science, and Economics

Professors

Sarah Fisher, Program Director

Deborah Spencer

Ben H. Letson

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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

PHIL 201: Ethics

Critical examination of main procedures for making moral decisions. Application of ethical ideas to contemporary moral issues. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

PHIL 211: Hist of Ancient & Medieval Philosophy

Examination of the development of philosophical ideas from 5th century B.C. through Middle Ages; emphasis on Plato, Aristotle, Augustine, and Aquinas. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3

PHIL 212: History of Modern Philosophy

Development of philosophical ideas as seen in writings of selected thinkers from Renaissance through 19th century. Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, and Hegel. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3

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. This course satisfies the proficiency requirements for Critical Thinking and Ethical Reasoning in the disciplines.

Semester Hours: 3

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. This course satisfies the proficiency requirement for Ethical Reasoning and Quantitative Literacy in the disciplines.

Semester Hours: 3

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. This course satisfies the proficiency requirements for Critical Thinking and Oral Communication in the disciplines.

Semester Hours: 3

PHIL 240X: 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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3

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

Prerequisites:

101 or 211 or permission of instructor.

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

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

Prerequisites:

101 or 211 or permission of instructor.

PHIL 341: Contemp. Problems of Justice

Examination of contemporary political philosophy and its application to key questions of justice in contemporary political life. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

PHIL 350: Special Topics

Selected topics in philosophy chosen by the instructor in response to student interests.

Semester Hours: 3

PHIL 450: Seminar

Intensive study of a selected philosophical topic.

Semester Hours: 3

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: 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: 6

Prerequisites:

junior or senior status, permission of department, 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: 6

Prerequisites:

junior or senior status, permission of department, 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

Prerequisites:

departmental permission.

PHIL 490: Honors Thesis

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

PHIL 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

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

Physics

Professors

Danielle Morel, Chair

Charles Fay

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. This course satisfies the Modes of Inquiry requirement for Understanding the Natural World. Three lecture hours and two laboratory hours.

Semester Hours: 4

Lab Hours: 2

Lecture Hours: 3

PHYS 101: Astronomy

General introduction to the theories and techniques of astronomy. This course satisfies the Modes of Inquiry requirement for Understanding the Natural World. Three lecture hours and two laboratory hours.

Semester Hours: 4

Lab Hours: 2

Lecture Hours: 3

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. Pre-requisite: MATH 121 or higher. PHYS 110 is a prerequisite for PHYS 111. Six laboratory/discussion hours.

Semester Hours: 4

Prerequisites:

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PHYS 111: College Physics II

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. Pre-requisite: MATH 121 or higher. PHYS 110 is a prerequisite for PHYS 111. Six laboratory/discussion hours.

Semester Hours: 4

Prerequisites:

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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

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

Mathematics 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. 201 satisfies the Modes of Inquiry requirement for Understanding the Natural World. Pre/corequisite: Mathematics 151. Six laboratory/discussion hours.

Semester Hours: 4

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. 201 satisfies the Modes of Inquiry requirement for Understanding the Natural World. Pre/corequisite: Mathematics 151. Six laboratory/discussion hours.

Semester Hours: 4

PHYS 285: Research Experience in Physics

Hands-on research experience through assistance in faculty research or approved student-proposed projects.

Semester Hours: 1

Prerequisites:

202 and permission of the faculty member directing the project.

PHYS 286: Research Exper. in Physics II

Hands-on research experience, assisting in faculty research projects.

Semester Hours: 1

Prerequisites:

211 and permission of department.

PHYS 287: Research Exper. in Physics III

Hands-on research experience, assisting in faculty research projects.

Semester Hours: 1

Prerequisites:

211 and permission of department.

PHYS 288: Research Exper. in Physics IV

Hands-on research experience, assisting in faculty research projects.

Semester Hours: 1

Prerequisites:

211 and permission of department.

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

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

202 and Mathematics 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

Prerequisites:

202 and Mathematics 253.

PHYS 350: Special Topics

Selected topics in physics chosen by the instructor in response to student needs and interests.

Semester Hours: 4

Prerequisites:

202 and permission of instructor.

PHYS 355: Mathematical Methods for Phys. 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

Prerequisites:

Mathematics 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. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines.

Semester Hours: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

202 and Mathematics 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

Prerequisites:

202 and Mathematics 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

Prerequisites:

311, 321, 411, and Mathematics 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

Prerequisites:

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. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 1

Prerequisites:

311.

PHYS 451: Advanced Laboratory

Laboratory study of various topics selected from the current literature, including nonlinear dynamics, optics, atomic physics, and nuclear physics. This course satisfies the proficiency requirements for Oral Communication and Written Communication in the disciplines.

Semester Hours: 4

Lab Hours: 7

Lecture Hours: 1

Prerequisites:

311.

PHYS 455X: 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

Prerequisites:

353 and Physics 202, or departmental permission.

PHYS 460: Independent Study

Individual experimental or theoretical research approved and directed by the department.

Semester Hours: 3-4

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: 3-6

Prerequisites:

Junior or senior status; departmental permission; and completion of PHYS 201, PHYS 202, PHYS 311, and other courses appropriate to the proposed work experience.

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: 6

Prerequisites:

junior or senior status; permission of department; and completion of 201, 202, 311, and other courses appropriate to the desired work experience.

PHYS 490: Honors Thesis I

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

PHYS 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

Politics, Law, and International Relations

Professors

Anne Shumaker, Chair

Sarah Fisher

Krystin Krause

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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society. This course satisfies the International Exploration requirement.

Semester Hours: 3

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

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

Prerequisites:

103.

POLS 215: Intro. 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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

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

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, changes in the roles of the states and the national governments, and the growth of executive power. This course satisfies the proficiency requirements for Critical Thinking and Oral Communication in the disciplines.

Semester Hours: 3

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

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

Prerequisites:

Economics 151 and 152 and Political Science 105.

POLS 235: Comparative Pol 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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society. This course satisfies the International Exploration requirement.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

POLS 285: Research Experience in Political Science

Hands-on research experience, assisting in faculty research projects.

Semester Hours: 1

Prerequisites:

sophomore status and permission of department.

POLS 286: Research Exp in Pol Science

Hands-on research experience, assisting in faculty research projects.

Semester Hours: 1

Prerequisites:

sophomore status and permission of department.

POLS 287: Research Experience in POLS

Hands-on research experience, assisting in faculty research projects.

Semester Hours: 1

Prerequisites:

sophomore status and permission of department.

POLS 288: Research Experience in POLS

Hands-on research experience, assisting in faculty research projects.

Semester Hours: 1

Prerequisites:

sophomore status and permission of department.

POLS 300X: 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. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

Prerequisites:

sophomore status.

POLS 310: Parties & Elections in Amer Politic

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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

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

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

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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

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 v. group rights, religious liberty, free expression, racial and gender discrimination, political participation, rights of the aged, immigrants, and the criminally accused.

Semester Hours: 3

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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

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 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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

POLS 350: Special Topics in POLS

Selected topics in American government, political history or theory, comparative government, or public policy. Topics chosen by instructors in consultation with student interests. One to three semester hours. May be repeated for different topics.

Semester Hours: 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. Political Science 400 prerequisites: 117 and 217.

Semester Hours: 3

Prerequisites:

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. Political Science 400 prerequisites: 117 and 217. Political Science 401 prerequisite: 400.

Semester Hours: 1

Prerequisites:

POLS 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

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.

Semester Hours: 3

Prerequisites:

103; 105; 240; and 225, 235, or 245; senior status or the permission of the department chair.

POLS 460: Independent Study

Advanced independent research in a specific area of political science, under the supervision of a faculty member.

Semester Hours: 4

Prerequisites:

junior or senior status; 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: 2-6

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: 6

Prerequisites:

junior or senior status.

POLS 490: Honors Thesis I

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

POLS 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

Psychology

Professors

A. Celeste Gaia, Chair

Kimberly Baranowsky

R. Christopher Qualls

PSYC 101: Intro to Psy 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.) This course satisfies the Modes of Inquiry requirement for Understanding the Natural World. Three lecture hours and three laboratory hours.

Semester Hours: 4

Lab Hours: 3

Lecture Hours: 3

PSYC 102: Intro to Psy As Social Science

Complex processes of human behavior. Child and adult development, personality, abnormal psychology, social psychology, and issues of gender, sexuality and culture. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society. 101 is not a prerequisite to 102.

Semester Hours: 3

Prerequisites:

PSYC 163X: Introductory Statistics For The Behavioral Sciences

See Statistics 163

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

Prerequisites:

sophomore status or permission of instructor.

PSYC 210: Personality Theories

Selected influential theories of personality that address aspects of human behavior and psychological functioning.

Semester Hours: 3

Prerequisites:

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. This course satisfies the proficiency requirements for Oral Communication and Written Communication in the disciplines.

Semester Hours: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

Statistics 163.

PSYC 220: Child Development

Survey of the physical, cognitive, emotional, and social changes that occur in infancy, childhood, and adolescence.

Semester Hours: 3

Prerequisites:

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). Psychology 102 or permission of instructor.

Semester Hours: 3

PSYC 285: Research Experience in Psychology

Hands-on research experience, assisting in faculty research projects.

Semester Hours: 1

Prerequisites:

211 and permission of department.

PSYC 286: Research Experience II

Hands-on research experience, assisting in faculty research projects.

Semester Hours: 1

Prerequisites:

211 and permission of department.

PSYC 287: Research Experience III

Hands-on research experience, assisting in faculty research projects.

Semester Hours: 1

Prerequisites:

211 and permission of department.

PSYC 288: Research Experience IV

Hands-on research experience, assisting in faculty research projects.

Semester Hours: 1

Prerequisites:

211 and permission of department.

PSYC 315: Testing & 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. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines.

Semester Hours: 3

Prerequisites:

102 and Statistics 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. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

101 or Biology 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. The course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

101.

PSYC 320: Learning & Cognition

Experimental investigation of learning and cognitive processes, including classical and operant conditioning, attention, perception, memory, language, problem-solving, and decision-making. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

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

Prerequisites:

PSYC 102

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. This course satisfies the Emory Abroad requirement.

Semester Hours: 3

Prerequisites:

permission of instructor.

PSYC 345X: Psychological Development and Religious Faith

Description and classification of patterns of deviant behavior, identification of their determinants, survey of procedures for modifying disorders.

Semester Hours: 3

Prerequisites:

PSYC 102

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. One to three semester hours.

Semester Hours: 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

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

102; junior status; 211 or Sociology 330.

PSYC 422: Appl 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. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 4

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

102 and 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

Prerequisites:

101 and 102 or permission; junior status.

PSYC 450: Seminar

Topics selected on basis of current research, and interest and needs of the students.

Semester Hours: 3

Prerequisites:

junior status or permission of instructor.

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: 4

Prerequisites:

psychology major; 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: 6

Prerequisites:

senior status, permission of department, 2.

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: 6

Prerequisites:

senior status, permission of department, 2.

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

Prerequisites:

211, 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

Prerequisites:

211, senior status, and departmental permission.

PSYC 490: Honors Project I

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

PSYC 491: Honors Project II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

Quantitative Reasoning

Crystal Hall, Program Director

QUAN 101: Quan Lit - Ratio Analy & Stat

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

QUAN 102: Quan Lit - Logic & 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

QUAN 103: Quan Lit - Spatial Reas & Num

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

Religion & Philosophy

Professors

Joseph T. Reiff, Chair

James M. Dawsey

Adam Wells

Ben Letson

RELG 101: Introduction 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

RELG 111: World Religions

Important traditions, ideas, and practices of major religions in historical and cultural context.

Semester Hours: 3

RELG 130: Introduction to the Bible

Survey of the Jewish and Christian scriptures using modern historical methods. Attention to development of Judaism in ancient Israel and of early Christianity.

Semester Hours: 3

RELG 131: Old Testament Survey

Development of Israelite history and literature explored by modern historical methods. Attention to theological relevance of the material.

Semester Hours: 3

RELG 132: New Testament Survey

The life and teachings of Jesus, the message of Paul, first-century Judaism and Greco-Roman culture, and development of the early Christian Church explored by using modern historical methods.

Semester Hours: 3

RELG 200: Introduction to the Christian Faith

Historical and contemporary expressions of Christian belief and practice, with special reference to biblical sources.

Semester Hours: 3

RELG 201: Religious Individual Change

The lives, times, and influences of religious people who have become agents of social change. Attention to changes in culture, economics, and value systems. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

RELG 205X: The Gospels

Translation of selected passages from New Testament gospels, developing vocabulary, grammar, and interpretive ability.

Semester Hours: 3

Prerequisites:

102.

RELG 213: Comparative Theology

Study of major theological and philosophical themes in Judaism, Christianity, and Islam.

Semester Hours: 3

Prerequisites:

sophomore status.

RELG 261: Christian Faith in Literature

Analysis of the contribution of works of fiction and poetry to an understanding of contemporary life and the proclamation of the Christian faith.

RELG 301X: Letters of Paul

Translation and interpretation of representative passages from Paul's writings.

Semester Hours: 3

Prerequisites:

102.

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. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

RELG 321: Contemporary Religion in the U.S.

Study of the contemporary American religious landscape, using current literature and survey data on the range of religious affiliation, participation, beliefs, and practices. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines.

Semester Hours: 3

Prerequisites:

111, 131, 132, or 200.

RELG 335X: 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

Prerequisites:

101 or 211 or permission of instructor.

RELG 343: Church & Community Ministries

Exploration of the challenge, promise, and problems of church ministries in the community, including action for social justice, work with the poor, and other forms of outreach. Participation in church and community ministry through a service learning component.

Semester Hours: 3

Prerequisites:

sophomore status and either 131 or 132.

RELG 345: Psych Development&religious Faith
Relationship of cognitive, moral, and emotional developmental processes to the formation of religious faith from childhood through older adulthood. Special emphasis on James Fowler's faith development theory, including psychological and theological sources, critiques, and alternative approaches.

Semester Hours: 3

Prerequisites:

junior status or permission of instructor.

RELG 350: Seminar

Comprehensive understanding of selected topics through intensive study, discussion, and participation in other learning activities.

Semester Hours: 3

Prerequisites:

131 and 132, or permission of instructor.

RELG 352: Jesus

Exploration of historical, literary, and artistic portrayals of Jesus through the centuries. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 3

Prerequisites:

132 or permission of instructor.

RELG 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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

RELG 431: Advanced Old Testament Studies

Concentrated, critical study of a theme or block of literature from the Old Testament, such as the Torah. Instructor may permit student to take two different themes under this course heading. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

Prerequisites:

131.

RELG 432: Advanced New Testament Studies

Concentrated, critical study of a theme or block of literature from the New Testament, such as the "quest of the historical Jesus." Instructor may permit student to take two different themes under this course heading.

Semester Hours: 3

Prerequisites:

132.

RELG 433: Paul

Exploration of Paul's life, writings, and influence on the Christian Church. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

Prerequisites:

132 or permission of instructor.

RELG 450: Senior Seminar

Capstone experience required of all majors to review learning in three content areas: Bible, Christian tradition, and non-Christian religions. Evaluation of student research presentations by the entire Religion Department, and reflective evaluation by students of their experiences as majors. For seniors only, except with permission of department chair.

Semester Hours: 1

RELG 460: Independent Study

Advanced directed study in a specific area, under the supervision of a faculty member.

Semester Hours: 4

Prerequisites:

departmental permission.

RELG 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

Prerequisites:

2.

RELG 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

Prerequisites:

2.

RELG 480: Senior Project

Individually-designed reading and research programs, 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: 3

Prerequisites:

departmental permissions.

RELG 490: Honors Thesis I

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

RELG 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

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

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 include but are not limited to field methods (e.g. ethnography and participant observcation), intensive interviewing, focus groups, and unobtrusive research methods. Prerequisite: SOSS 200. Three lecture hours and one laboratory hour. Four semester hours.

Semester Hours: 4

SOSS 302: Quantitative Research Methods

Topics in quantitative methods that may include but 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. Prerequisites: SOSS 200, SOSS 301, and STAT 161/162/163. Three lecture hours and one laboratory hour. Four semester hours.

Semester Hours: 4

SOSS 450: Advanced Project I

Collaborative seminar for students working on senior projects or honors theses. Capstone course for applied data analysis certificate. Prerequisites: STAT 161, 162, or 163; SOSS 200, SOSS 301 or 302, permission from instructor. Thre lecture hours.

Semester Hours: 3

SOSS 451: Advanced Projects II

Collaborative seminar for students working on senior projects or honors theses. Capstone course for applied data analysis certificate. Prerequisites: STAT-161, 162, or 163; SOSS-200; SOSS-301 or 302. Three semester hours.

Semester Hours: 3

Sociology

Professors

Shelley Koch, Chair

Amy Sorensen

SOCI 101: Introduction to Sociology

Basic sociological concepts and processes. Social structure, deviance, change, and progress. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

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. Three semeser hours.

Semester Hours: 3

SOCI 103: Intro 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

SOCI 111X: 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

SOCI 117X: 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

SOCI 162X: Intro Stats for Social Science

Descriptive and inferential statistics, probability, and research design with a broad range of social science applications; statistical software.

Semester Hours: 4

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

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

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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

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

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

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

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. Three semester hours.

Semester Hours: 3

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

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

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

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

SOCI 270: Race & 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

SOCI 285: Research Experience

Hands-on research, assisting with faculty research projects.

Semester Hours: 1

Prerequisites:

sophomore status and permission of department.

SOCI 286: Research Experience

Hands-on research, assisting with faculty research projects.

Semester Hours: 1

Prerequisites:

sophomore status and permission of department.

SOCI 287: Research Experience

SOCI 288: Research Experience

Hands-on research, assisting with faculty research projects.

Semester Hours: 1

Prerequisites:

sophomore status and permission of department.

SOCI 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. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

Prerequisites:

sophomore status.

SOCI 321X: Contemporary Religion

Study of the contemporary American religious landscape, using current literature and survey data on the range of religious affiliation, participation, beliefs, and practices.

Semester Hours: 3

Prerequisites:

111, 131, 132, or 200.

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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

Prerequisites:

101 and junior status.

SOCI 337X: 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

SOCI 350: Special Topics in Sociology

Selected topics chosen by instructors in response to student needs and interests. One to three semester hours. May be re-taken for credit for different topics.

Semester Hours: 3

SOCI 411X: 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

Lab Hours: 3

Lecture Hours: 3

Prerequisites:

102; junior status; 211 or Sociology 330.

SOCI 445X: 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

Prerequisites:

junior or senior status or permission of instructor.

SOCI 450: Seminar

Selected issues and problems; research implications of the work of representative researchers. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

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

Prerequisites:

330 and 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: 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: 6

Prerequisites:

junior status; departmental permission; completion of 330 and 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: 6

Prerequisites:

junior status; departmental permission; completion of 330 and 334.

SOCI 490: Honors Thesis

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

SOCI 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

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

STAT 162: Intro Stats for Social Science

Descriptive and inferential statistics, probability, and research design with a broad range of social science applications; statistical software.

Semester Hours: 4

STAT 163: Intro Stats for Behavioral Sci

Descriptive and inferential statistics, probability, and research design with a broad range of behavioral science applications; statistical software.

Semester Hours: 4

STAT 353: Advanced Stats for Sciences

Advanced topics in statistics, including factor analysis, analysis of covariance, multivariate analysis, logistical and multivariate regression.

Semester Hours: 3

Prerequisites:

B or higher in Statistics 161, 162, or 163.

STAT 360X: 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

Prerequisites:

Mathematics 152 and Statistics 161, or permission of instructor.

Theatre

Professors

Kelly Bremner, Chair

Rachel Black

Kevin Dudley

Rachael Swartz

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

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 theatrical production. This course satisfies the proficiency requirement for Quantitative Literacy in the disciplines.

Semester Hours: 3

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. Permission of the Instructor required. 1 credit hour.

Semester Hours: 1

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

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 theatrical production. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

THRE 205: Acting I

Overview of acting styles and methods; development of imagination through improvisation, exercises, and scene work; audition techniques. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

Prerequisites:

Theatre 105 or Theatre 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

Prerequisites:

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

THRE 209: Drafting & 3D Design for Theatre

An introduction to Computer Aided Drafting and 3D Design principles as they apply to theatre & entertainment design. Students will gain exposure to Vectorworks, Spotlight, and Renderworks. In addition, students will work with Photoshop other Adobe products to generate virtual designs.

Semester Hours: 3

THRE 210: Intro to Design

Semester Hours: 3

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

THRE 216: Ballet

An exploration of ballet dance technique evaluating body alignment and execution of ballet steps. Basic knowledge of ballet history. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

THRE 217: Jazz

An exploration of jazz dance technique evaluating body alignment for jazz dance and execution of jazz steps. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

THRE 218: Tap

An exploration of tap dance technique evaluating rhythmic play, footwork, and terminology as well as historical and cultural impact of tap dance. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

THRE 219: Musical Theatre Styles

Overview of a variety of musical theatre dance styles and learning of choreography in style of production. This course counts toward the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

THRE 233X: 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. This course satisfies the Humanities Core requirement.

Semester Hours: 3

Prerequisites:

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. Pre or corequisite: MUSP 216 or 416.

Semester Hours: 2

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

Prerequisites:

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 theater performer. Fundamentals of notation, pitches, intervals, rhythms, and simple chords. In-class exercises and drills are supplemented with computer-based instruction.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression. This course satisfies the proficiency requirement for Oral Communication in the disciplines.

Semester Hours: 3

THRE 270: Script Analysis

Systems for analyzing scripts which may be employed by directors, actors, and/or designers. This course satisfies the proficiency requirement for Critical Thinking in the disciplines.

Semester Hours: 3

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

THRE 282: Barter Observership

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. One semester hour.

Semester Hours: 1

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

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

Prerequisites:

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

Prerequisites:

206 and 270, or permission of instructor.

THRE 306: Global Dance

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. Three semester hours.

Semester Hours: 3

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. Three semester hours.

Semester Hours: 3

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. Three semester hours.

Semester Hours: 3

THRE 309: Fundamentals of Theatrical Design

Introduction to theories of theatrical design and their applications. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

THRE 310: Adv Theatre Design

Selected topics in advanced design and technology with emphasis on contemporary skills and techniques.

Semester Hours: 3

Prerequisites:

309.

THRE 311: Set Design for Theatre

This course builds on the skills acquired in the Fundamentals of Theatrical Design & Computer Aided Drafting & 3D Design for Theatre. Students will explore the set design for theatre in contextual application through drafting, model building & 3D & Digital rendering. Prerequisite: THRE 209 and THRE 210. Three semester hours.

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

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

Prerequisites:

270, or permission of instructor.

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

Prerequisites:

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

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. This course satisfies the Modes of Inquiry requirement for Interpreting Texts. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

THRE 322: American Theatre

Study of American theatre with emphasis on major periods, typical plays, important personages, and major architectural and production techniques. This course satisfies the Modes of Inquiry requirement for Interpreting Texts. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

THRE 325: Introduction to Playwriting

Introduction to the major components of writing for the stage; emphasis on dramatic action, character, and dialogue; tools and techniques of playwriting; focus on the imagination and creativity of the student through the development of the one-act play.

Semester Hours: 3

THRE 335: Musical Theatre

Survey history of musical theatre; emphasis on practical application of styles, periods, movement, dance, acting, voice, and interpretation; special emphasis on the American musical. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 3

Prerequisites:

one of the following: Theatre 105, Theatre 205, Applied Music 216, Applied Music 416, or permission of instructor.

THRE 336: Musical Theatre History

Comprehensive survey of the history of musical theatre from antiquity to 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. This course satisfies the proficiency requirement for Written Communication in the disciplines.

Semester Hours: 3

THRE 340: Auditions

Preparation for professional auditions. Strategies, audition techniques, examination of all aspects of acting as a career, and individualized coaching. One to three semester hours.

Semester Hours: 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

Prerequisites:

permission of instructor.

THRE 360X: 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

Prerequisites:

101.

THRE 400: Senior Project

Individually designed program of study developed in consultation with faculty in the department.

Semester Hours: 2

Prerequisites:

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 cast member in departmental mainstage production. Rehearsal and performance techniques. Pre-requisite: Permission of the Instructor. .5 credits May be repeated for credit.

THRE 402: Theatre Practicum - Shops

Practical hands on training in Carpentry, electrics and costume construction for departmental mainstage productions. .5 credits May be repeated for credit. Pass-Fail only.

THRE 403: Theater Practicum - Run Crews

Practical hands on training in run crew and board operation for departmental mainstage productions. .5 credits May be repeated for credit. Pass-Fail only.

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. .5 credits May be repeated for credit.

Semester Hours: 3

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

Prerequisites:

206 and 270, or permission of instructor.

THRE 411: Advanced Voice

THRE 411: Advanced Voice

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

THRE 416: Ballet II

An intermediate exploration of ballet dance technique evaluating body alignment and greater execution of ballet steps. Wider knowledge of ballet history and ballet repertoire. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

THRE 417: Jazz II

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. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

THRE 418: Tap II

An intermediate exploration of tap dance technique evaluating rhythmic play, footwork, and terminology as well as historical and cultural impact of tap dance. Wider knowledge of percussive patterns and styles. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

THRE 419: Musical Theatre Styles II

Overview of more difficult musical theatre shows and learning of enhanced choreography in style of production. Advance dance scene styles and execution. This course satisfies the Modes of Inquiry requirement for Artistic Expression.

Semester Hours: 1

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

Prerequisites:

departmental permission.

THRE 470: Internship

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.

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 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. Two to six semester hours. Pass-Fail only.

Semester Hours: 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: 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

THRE 490: Honors Thesis I

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

THRE 491: Honors Thesis II

Independent research in a special topic for honors.

Semester Hours: 3

Prerequisites:

senior status, GPA of 3.

Women and Gender Studies

Co-Directors

Kelly Bremner

Christine M. Fleet

Shelley Koch

WGST 200: Intro. to Women and Gender Stu

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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

WGST 201X: 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.

WGST 250X: Women and Media

Current and historical relationship of women with media. Women as subject matter, audience, and participants in various media forms. This course satisfies the Social Sciences Core requirement.

Semester Hours: 3

WGST 300X: 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. This course satisfies the proficiency requirement for Ethical Reasoning in the disciplines.

Semester Hours: 3

Prerequisites:

sophomore status.

WGST 309X: 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

WGST 337X: 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

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

Prerequisites:

200.

WGST 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. This course satisfies the Modes of Inquiry requirement for Understanding the Individual and Society.

Semester Hours: 3

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

Prerequisites:

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: 6

Prerequisites:

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: 6

Prerequisites:

200, junior or senior status, permission of program advisor.