

CARSON-NEWMAN COLLEGE

Undergraduate Catalog 2012-2013

Jefferson City, Tennessee 37760
Admissions Information call 1-800-678-9061
General Information call 865-471-2000
Home Page <http://www.cn.edu>

PURPOSE OF THIS PUBLICATION

This publication is intended as a description of the academic programs and activities of Carson-Newman College. It is not an offer to make a contract.

It is sometimes necessary or appropriate to change the programs offered. Carson-Newman retains the right to terminate or change any of its policies, programs, requirements, course offerings, class schedules, instructor assignments and any and all other aspects of its educational and other programs at any time without prior notice.

Carson-Newman College does not discriminate on the basis of race, color, sex, national origin, disability, age, veteran status, or genetic information in provision of its education policies, programs, services and activities or employment opportunities and benefits.

The College does not discriminate on the basis of race, sex, or disability in its education programs and activities pursuant to the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the American with Disabilities Act (ADA) of 1990.

Inquiries and/or charges of violation concerning Title VI, Title IX, Section 504, ADA, the Age Discrimination in Employment Act (ADEA) or any other of the other referenced policies should be directed to the Director of Human Resources, 1646 Russell Avenue, Suite 204 Fite Building, Jefferson City, Tennessee 37760, telephone 865-471-7164.

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ACADEMIC CALENDAR 2012-2013

Fall Semester 2012

Registration and Enrollment Confirmation.....	Monday - Tuesday, August 20-21
Classes begin.....	Wednesday, August 22
Convocation.....	Tuesday, August 28
Last day to add courses.....	Friday, August 31
Last day to drop a course without a grade.....	Friday, August 31
Last day to make a schedule change without a fee.....	Friday, August 31
Last day for tuition refund for dropping a course.....	Friday, August 31
Labor Day holiday.....	Monday, September 3
Last day to submit CLW waiver request.....	Wednesday, September 5
Midterm grades due in Registrar's Office.....	Friday, October 12
Homecoming.....	Saturday, October 13
Fall Break.....	Monday - Tuesday, October 22-23
Advising.....	Beginning Monday, October 29
Last day to drop a course with W.....	Wednesday, October 31
Courses dropped after this date receive WF	
Early registration for Spring 2013.....	Beginning Monday, November 5
Thanksgiving Break.....	Wednesday, November 21 - Sunday, November 5
Last day of classes.....	Wednesday, December 5
Reading/Study Day, Departmental Evaluations.....	Thursday, December 6
Semester examinations.....	Day classes -- December 7, 10, 11, 12, 13 Evening classes -- December 3, 4, 5, 6
Commencement.....	Friday, December 14

Spring Semester 2013

Registration and Enrollment Confirmation.....	Tuesday - Wednesday, January 8-9
Classes begin.....	Thursday, January 10
Last day to add courses.....	Friday, January 18
Last day to drop a course without a grade.....	Friday, January 18
Last day to make a schedule change without a fee.....	Friday, January 18
Last day for tuition refund for dropping a course.....	Friday, January 18
Martin Luther King observance (classes will not meet).....	Monday, January 21
Last day to submit CLW waiver request.....	Thursday, January 24
Midterm grades due in Registrar's Office.....	Friday, March 8
Spring break.....	Saturday, March 16 - Sunday, March 24
Advising.....	Beginning Monday, March 25
Last day to drop a course with W.....	Thursday, March 28
Courses dropped after this date receive WF	
Easter Holiday.....	Friday, March 29 - Monday, April 1
Early registration for Fall 2013.....	Beginning Tuesday, April 2
Student Research, Creativity and Performance Day.....	Wednesday, April 10
Last day of classes.....	Wednesday, May 1
Reading/Study Day, Departmental Evaluations.....	Thursday, May 2
Semester examinations.....	Day classes -- May 3, 6, 7, 8, 9 Evening classes -- April 29, 30, May 1, 2
Commencement.....	Friday, May 10

Summer Session 2013

Mayterm.....	Monday, May 13 - Friday, May 31
Memorial Day holiday.....	Monday, May 27
10 week term.....	Monday, May 20 - Friday, July 26
1st three week term.....	Monday, June 10 - Friday, June 28
Six week term.....	Monday, June 10 - Friday, July 19
2nd three week term.....	Tuesday, July 1 - Friday, July 19
Independence Day holiday.....	Thursday, July 4
ELI summer term.....	To Be Determined
Examinations.....	Last day of class

Carson-Newman College

Carson-Newman College, a Christian, private, liberal arts institution, is located in Jefferson City, some 25 miles east of Knoxville. Carson-Newman offers a campus of stately white-columned buildings on rolling, grassy hills close to Cherokee Lake and near the Great Smoky Mountains.

Ranked by Forbes as being in the top three percent of America's Best Colleges, Carson-Newman has been named to the President's Higher Education Community Service Honor Roll, the highest federal recognition a college or university can receive for its commitment to volunteering, service-learning and civic engagement. The College's reputation is born from its commitment to Christian excellence and academic rigor as manifested through 50 undergraduate majors and graduate programs in business, counseling, education, nursing, social justice, and theology.

Mission

Our mission is to help our students reach their full potential as educated citizens and worldwide servant leaders by integrating academic excellence and Christian commitment within a caring community.

Vision

To become a premier Christian liberal arts college with a world-wide impact.

Carson-Newman College History

In the early 1840s, a number of Baptist leaders in East Tennessee desired to offer better prepared ministers to area congregations. The East Tennessee Baptist Educational Society, which was comprised of two groups with a common interest, applied in 1850 for a charter to establish an institution of higher learning. Afforded the use of a local church building, Mossy Creek Missionary Baptist Seminary opened to students in the fall of 1851. The Tennessee Legislature granted the school's charter in December of that year.

As noted in their founding documents, the founders possessed a twofold intent: "to promote education in general, and among the ministry in particular." Over time, that ideal has become the institution's DNA of Christian service as evidenced in student volunteers as well as in the lives of alumni.

The institution produced its first graduate, Richard Scruggs, in 1855. Manifesting the ideal of "education in general," Scruggs went on to become a physician. The following year, the second graduating class reaffirmed the school's mission by producing a lawyer and a minister, in that order.

The 1889 merger of men's and women's institutions made Carson-Newman an early entrant in coeducation in the region. Throughout its history, the institution has instilled a deep commitment to service in its students. The fruits of its labor, its alumni, have filled schoolrooms, courthouses, hospitals, boardrooms, pulpits, and mission fields the world over in spreading the lessons of Carson-Newman's motto of Truth, Beauty, and Goodness.

Servant leadership programs abound on campus; the effects of which are staggering. Appalachian Outreach and its volunteers have provided more than 2200 weeks' worth of home repairs in 25 years; Baptist Collegiate Ministries sends out more than 200 fall and spring break volunteers annually; Bonner Scholars provide approximately 10,000 hours of service per year and Community Connections offers a student-run agency that matches area needs with helpers.

Global education and broadening students' horizons are staples of the Carson-Newman experience. Scores of international students study at Carson-Newman each year while others travel from campus to study abroad. Recent efforts have included a two-week study trip to South Africa, archeological excavation in Jordan, earthquake relief work in Haiti, a focus on healthcare in South Korea and ministry in Zimbabwe.

Giving back to God through diligent study and by serving His creation combine to make the double helix of the Carson-Newman experience. The heritage is tailor-fit to the vision of Dr. O'Brien: "C-N's future will be built on the twin pillars of academic rigor and Christian excellence." Carson-Newman students learn to think, to write, to read well, and to present and enter into the give and take of argument so as to become educated citizens and worldwide servant leaders.

Undergraduate Admissions

Admission Policy

Carson-Newman College seeks students who have demonstrated the ability and motivation required to gain full benefit from a challenging program of liberal arts education in a Christ-centered context and who will contribute to the campus community as a whole. Students are considered for admission based on their academic credentials (coursework and grades attained, ACT/SAT test scores) along with additional factors that demonstrate probability of college success at a Christian liberal arts college.

Carson-Newman College does not discriminate on the basis of race, color, gender, national origin, disability, age, genetic information, or veteran status in provision of its education policies, programs, and activities.

To be considered for admission, applicants must meet academic requirements and other admission criteria established by the College. The College reserves the right to deny admission to applicants who do not possess adequate academic preparation and/or to those who fail to meet other admission criteria. Students who are admitted are required to abide by College policies and regulations.

Carson-Newman College maintains a rolling admissions policy. Applications may be submitted for freshman admission after six semesters of completed high school coursework. Transfer students may apply for admission up to one year before the desired term of enrollment. Priority application deadline for fall admission is April 1.

Admission Status

Upon review of a student's application and supporting documents, one of the following admission decisions will be rendered:

Regular Admission - Students who meet all requirements for admission as determined by college policy.

Admission to Academic Skills Enhancement Program - Students who do not meet the freshman admissions requirements may be considered for admission to the college under the academic skills enhancement program. Students with ACT scores of 18 or below in English, Math or Reading or SAT scores of 440 or below in Verbal or 440 or below in Math will be required to take academic skills classes.

Probation Admission - Students who have academic credentials below the minimum level to be considered in good standing may be admitted on probation. Students admitted on probation must meet guidelines established for satisfactory academic progress (see Academic Probation). In addition, freshmen admitted on academic probation must complete all required academic skills enhancement program requirements.

Denial of Admission - Student does not meet criteria for enrollment to the college.

*During the application process, some students may be referred to the Admissions Review Committee for consideration of admission.

*For international student admission status information, see page 7.

Freshman Admission

Freshman admission decisions are based on the following:

1. High school academic record and cumulative GPA
2. Standardized test scores (ACT or SAT). Carson-Newman College does not require the essay for standardized tests.
3. Completion of core academic credits comprising of the following:
 - 4 English
 - 3 math, including either Geometry or Algebra II
 - 3 sciences, including one physical science course and Biology
 - 3 social studies, including one history
 - 1 wellness
 - 6 additional academic credit electives chosen from foreign language, math, science, or social studies (to satisfy state graduation requirements credit totals)
4. Other factors such as:
 - Extracurricular or leadership activities
 - Special talents or skills
 - Recommendations from high school teachers and counselors

Candidates seeking freshman admission should submit the following to the Office of Admissions:

1. Completed application for admission
2. Official high school transcript(s)
3. Official college transcript(s) (if applicable)
4. ACT or SAT scores (for all applicants under 25 years old)
5. List of activities/honors (recommended)
6. Recommendation letters (optional)

Home Schooled Applicants

Along with the application for admission, home schooled applicants must submit the C-N Home School Information Form; an official copy of the home school transcript, showing coursework completed through the junior year; and a secondary school completion credential, if required by state law. Home school applicants from states that do not provide a standard transcript should use the C-N Home School Transcript Template to provide an official home school transcript. The official home school transcript must be signed by the home school administrator. Home schooled applicants must also submit official ACT or SAT scores and will be evaluated based on requirements for freshman admission (above).

Transfer Admission

Transfer admission decisions are based on the following:

1. Academic record and cumulative GPA in coursework which is transferable to Carson-Newman College
2. Academic and disciplinary standing at current and former institutions
3. High school coursework and ACT or SAT test scores (for applicants who have completed fewer than 24 semester hours of transferable college credit)
4. Other factors such as:
 - Extracurricular or leadership activities
 - Special talents or skills
 - Recommendations from high school teachers/counselors and college professors

Candidates seeking transfer admission should submit the following to the Office of Admissions:

1. Completed application for admission
2. Official college transcript(s)
Applicants who have completed fewer than 24 semester hours of transferable credit (after high school graduation) must also submit official high school transcript(s) and ACT or SAT scores.
3. Transfer Student Judicial Check Record Form
4. List of activities/honors (recommended)
5. Recommendation letters (optional)

Carson-Newman College Transfer Credit Policies

Carson-Newman College accepts transfer credit from accredited colleges and universities and endorses the guidelines for transfer of credit as outlined in the "Joint Statement of the Transfer and Award of Credit" developed by the American Association of Collegiate Registrars and Admissions Officers (AACRAO), The American Council of Education (ACE), and the Council for Higher Education Accreditation (CHEA).

Carson-Newman College accepts transfer credit from other institutions for courses which are essentially equivalent to courses offered at Carson-Newman College.

Elective credit may be granted for courses from academic disciplines in which Carson-Newman College offers coursework, as long as the courses are reasonably applicable to a baccalaureate degree and do not violate another College policy.

Credit for technology or skill-oriented courses is not accepted, unless Carson-Newman College offers similar courses, e.g. music performance.

Credit for institutionally specific courses, e.g. chapel, convocation, lecture series, etc., is not accepted.

Credit for freshman seminar courses may be granted as interdisciplinary course credit depending upon evaluation of the course from the transferring institution.

Credit for courses considered developmental is not accepted.

Credit from institutions not accredited by a regional accreditation agency is generally not accepted, unless a recommendation is made by a Carson-Newman College department chair or unless the institution has gained recognition through AACRAO (American Association of Collegiate Registrars and Admissions Officers). The student may petition for credit from un-accredited institutions.

All grades are recorded for courses which are accepted for transfer. Grades are recorded on a 4.0 grading scale. Plus and minus quality points are not computed in the transfer grade point average. Grades from other institutions will be replaced only when the course is repeated.

Courses transfer with the hours and level from the original institution. Therefore, a course may satisfy a content requirement, but may not satisfy other Carson-Newman College requirements. (For example, a minimum 36 semester hours numbered 300 or higher and taken at a 4-year institution are required for graduation.)

Some academic departments may have specific requirements which are more restrictive. In these cases, the department chair should be contacted for more information.

Class standing of transfer students is determined by the number of hours accepted for transfer to Carson-Newman College.

The complete transfer policy of credit is available at www.cn.edu/administration/registrar-office/transfer-credit-policy or contact the Office of the Registrar at 865-471-3240 to request a copy.

Time Limit on Transfer Credits

Courses meeting the Liberal Arts Core requirement do not have a time limit for traditional undergraduate programs. Courses used for elective credit toward the total number of hours required for the degree do not have a time limit. Courses meeting major requirements for the Bachelor of Arts, the Bachelor of Music, or the Bachelor of Science taken more than 15 years prior to the enrollment at Carson-Newman College will transfer only with departmental approval. An exception to this policy may be granted with approval of the department chair for the program in which the student plans to major. In certain courses, current knowledge is essential, and the department chair may impose a time limit on the applicability of earned credit toward satisfying a degree requirement. In this instance, the course may be used as elective credit toward the total number of hours required for the degree, but the student will have to repeat the course at Carson-Newman college to earn the credit for the major requirement.

Pre-requisite courses for the nursing major, i.e., general chemistry, anatomy and physiology, nutrition, microbiology, human development, and statistics must have been earned within ten (10) years of the date of enrollment in the program. All nursing coursework completed at another institution must be approved by the Nursing Admission and Progression Committee in order for credit to be awarded toward the major at Carson-Newman College.

Tennessee Transfer Pathways and Articulation Agreement

Carson-Newman College has established transfer pathways in several programs for students who complete an associate's degree from a Tennessee Board of Regents (TBR) institution. Students who follow the prescribed pathway will not have to re-take courses at Carson-Newman and can graduate with a bachelor's degree from Carson-Newman college upon completion of the remaining required courses and elective hours from Carson-Newman.

Additional information on transfer pathways can be found on the Admissions website.

Enrollment Requirements for Freshman and Transfer Students

Enrollment Fee/Deposit: \$200.00 enrollment fee/deposit (\$100 covers registration/orientation costs and \$100 is a deposit on the C-N student account) must be submitted to the Office of Admissions prior to enrollment. The request for the enrollment fee will be mailed with the acceptance letter. Priority for class registration and residence hall room assignments is based on date fee is received. The enrollment fee is non-refundable if admission offer is canceled after May 1 or if fee is submitted after May 1 for fall and summer semesters (after December 1 or submitted after December 1 for spring semester). Enrollment fee refund requests (or cancellation of acceptance offer) must be submitted to the Office of Admissions.

Immunization Form: All students must submit proof of proper immunizations (those born before 1957 are exempt). Immunizations can be obtained from a family physician or a local health department. Appropriate forms are provided by the Office of Admissions or by the C-N Health Services for the preceding information. Any questions or appeals because of extenuating circumstances related to immunization requirements must be filed with and approved by the Director of Health Services prior to enrollment. A physical examination is not required.

Final Official Transcript: Entering freshmen must submit a final, official transcript which shows 8 semesters of coursework and graduation date. Transfer students must submit final, official transcripts from all colleges attended.

Residence Hall Application: All students who wish to live on campus must submit a residence hall application prior to enrollment. Residence hall applications are provided by the Office of Admissions upon acceptance to the College. Applications should be submitted to the Office of Admissions or to the Office of Residence Life. In order to receive a residence hall assignment, students must submit both the Residence Hall application and the Enrollment Fee/Deposit.

Off-Campus Living Form: Students who wish to live off-campus must complete the Off-Campus Living Form and receive permission from Residence Life.

Biographical Form: All students who plan to enroll must submit a completed biographical form. Biographical forms are provided by the Office of Admissions upon acceptance to the College. Forms should be submitted to the Office of Admissions.

Re-Admission

Students who have been enrolled in Carson-Newman College previously but who have not attended Carson-Newman College for a semester or more may apply for re-admission. Students who graduate and wish to re-enroll must apply for re-admission. Students must submit:

1. Re-admission Application
2. Official transcripts from all colleges attended since attending Carson-Newman College

In order for re-admission to be granted the student must be in good academic, disciplinary, and financial standing with the College. The deadline for applying for re-admission is **two weeks** before the semester begins. International students applying for re-admission are required to submit an application at least one month prior to the beginning of the next enrollment term. Students who have been readmitted may contact the Office of Admission for class registration information.

*Students who apply for re-admission to the College after Academic Suspension will be automatically placed on Academic Probation (see Academic Standing).

Transient Admission

A transient student is one, currently enrolled at another college or university, who wishes to take courses at Carson-Newman College for one semester and transfer the credit earned to the institution where the degree is being pursued. Students who are admitted with transient student status are not eligible for financial assistance from Carson-Newman College. Students must submit:

1. Completed application for admission
2. Official transcript(s) or letter of approval from current institution's academic dean or registrar
3. Test scores are required for international students seeking to study in the undergraduate program

International Student Admission

Upon review of an international student's application and supporting documents, the Office of Admissions will provide one of the following admission decisions:

Full Admission to the Undergraduate Program: International freshmen or transfer students who meet all requirements for admission into the undergraduate program including English language proficiency.

Conditional Admission to the Undergraduate Program: International freshmen or transfer students who are academically eligible to enter the undergraduate program but who do not meet the College's required English language proficiency requirements.

English Language Institute Admission: International students who wish to enroll in the College's ELI Program for English language studies only.

8 Admissions

Freshman International Student admission decisions are based on the following:

1. Academic record and cumulative GPA (high school graduation or its equivalent)
2. Test Scores*
 - Native English Speaker: ACT or SAT
 - Varsity Sport Athlete: ACT or SAT
 - Non-Native English Speaker (must submit one of the following):
 - TOEFL score: 79 iBT (internet-based), 213 computer, 550 paper
 - IELTS score: 6.5
 - EIKEN STEP score of Level 1 with a compulsory math placement exam
3. Other factors such as:
 - Extracurricular or leadership activities
 - Special talents or skills
 - Recommendations from teachers and counselors

* A TOEFL score of 79 iBT (internet-based), IELTS score of 6.5, or EIKEN STEP score of Level 1 will allow acceptance to the undergraduate program. Students who do not meet the required English language proficiency for full admission to Carson-Newman College but who are academically eligible may be considered for conditional admission. If students are admitted conditionally, they will be required to attend the English Language Institute until they receive the appropriate TOEFL score, IELTS score, EIKEN STEP score, or a recommendation from the English Language Institute and the Carson-Newman College Department of English.

Candidates for freshman admission should submit the following to the Office of Admissions:

1. International application for admission
2. Non-refundable \$50 application fee U.S. dollars
3. Official transcript(s) in both the native language and English from all secondary schools
4. Official university transcript(s) (if applicable*)
5. Standardized tests scores (listed above)
6. Immunization Form (provided by Carson-Newman Admissions Office): All students must submit proof of proper immunizations and a recent physician's examination. Immunizations can be obtained from a family physician or a local health department. Any questions or appeals because of extenuating circumstances related to immunization requirements must be filed with and approved by the Director of Health Services prior to enrollment.
7. Confirmation of Financial Support: This form must be completed by the individual (student and Parent or sponsor) affirming the availability of financial resources to pay for the student's expenses while attending Carson-Newman College. An official of a bank or other financial institution must complete the appropriate section of this form. Supporting documents from such institutions must also be submitted.
8. Residence Hall Application: All students who wish to live on campus must submit a residence hall application. In order to receive a Resident Hall assignment, students must submit both the Residence Hall application and the Enrollment Fee/Deposit.
9. Biographical Form: All students must complete and submit a biographical form.
10. Copy of Passport: All students seeking issuance of a Form I-20 must submit a photocopy of the photo page of their passport prior to being issued a Form I-20.
11. Application for Issuance of Form I-20: All students seeking issuance of a Form I-20 must submit a completed Application for Issuance of Form I-20. This form will serve as verification of the mailing address the student wishes his/her Form I-20 to be sent.

*Official transcripts in both the native language and English from all secondary schools and universities attended. For transfer credit all university transcripts must also be accompanied by a professional, course-by-course evaluation of the completed studies. A list of evaluating agencies is available at www.cn.edu.

Transfer International Student admission decisions are based on the following:

1. Academic record and cumulative GPA in coursework which is transferable to Carson-Newman College
2. Academic and Disciplinary Standing at current and former institutions
3. High School coursework and ACT or SAT test scores (for applicants who have completed fewer than 24 semester hours of transferable college credit)
4. Other factors such as:
 - Extracurricular or leadership activities
 - Special talents or skills
 - Recommendations from teachers and counselors

Candidates for transfer admission should submit the following to the Office of Admissions:

1. International application for admission
2. Non-refundable \$50 application fee U.S. dollars
3. Official transcript(s) in both the native language and English from all secondary schools
4. Immunization Form (provided by Carson-Newman Admissions Office): All students must submit proof of proper immunizations and a recent physician's examination. Immunizations can be obtained from a family physician or a local health department. Any questions or appeals because of extenuating circumstances related to immunization requirements must be filed with and approved by the Director of Health Services prior to enrollment.

5. Confirmation of Financial Support: This form must be completed by the individual (student and Parent or sponsor) affirming the availability of financial resources to pay for the student's expenses while attending Carson-Newman College. An official of a bank or other financial institution must complete the appropriate section of this form. Supporting documents from such institutions must also be submitted.
6. Residence Hall Application: All students who wish to live on campus must submit a residence hall application. In order to receive a Resident Hall assignment, students must submit both the residence hall application and the Enrollment Fee/Deposit.
7. Biographical Form: All students must complete and submit a biographical form.
8. Copy of Passport: All students seeking issuance of a Form I-20 must submit a photocopy of the photo page of their passport prior to being issued a Form I-20.
9. Application for Issuance of Form I-20: All students seeking issuance of a Form I-20 must submit a completed Application for Issuance of Form I-20. This form will serve as verification of the mailing address the student wishes his/her Form I-20 to be sent.

*Transfer applicants who have completed fewer than 24 semester hours of transferable college credit (after high school graduation) must also submit official high school transcripts and test scores as listed above the freshman requirements.

*For transfer credit all students who have studied at an international college or university must submit an official, certified course-by-course evaluation. A list of evaluating agencies is available at www.cn.edu.

English Language Institute admission decisions are based on the following:

1. Academic record and cumulative GPA (minimum of high school graduation or its equivalent)
2. Other factors such as:
 - Extracurricular or leadership activities
 - Special talents or skills
 - Recommendations from teachers and counselors

Candidates for English Language Institute admission should submit the following to the Office of Admissions:

1. International application for admission
2. Non-refundable \$50 application fee U.S. dollars
3. Official transcript(s) in both the native language and English from all secondary schools
4. Official university(s) transcripts (if applicable)
5. Standardized test scores (if available but not required)
6. Immunization Form (provided by Carson-Newman Admissions Office): All students must submit proof of proper immunizations and a recent physician's examination. Immunizations can be obtained from a family physician or a local health department. Any questions or appeals because of extenuating circumstances related to immunization requirements must be filed with and approved by the Director of Health Services prior to enrollment.
7. Confirmation of Financial Support: This form must be completed by the individual (student and Parent or sponsor) affirming the availability of financial resources to pay for the student's expenses while attending Carson-Newman College. An official of a bank or other financial institution must complete the appropriate section of this form. Supporting documents from such institutions must also be submitted.
8. Residence Hall Application: All students who wish to live on campus must submit a residence hall application. In order to receive a Resident Hall assignment, students must submit both the Residence Hall application and the Enrollment Fee/Deposit.
9. Biographical Form: All students must complete and submit a biographical form.
10. Copy of Passport: All students seeking issuance of a Form I-20 must submit a photocopy of the photo page of their Passport prior to being issued a Form I-20.
11. Application for Issuance of Form I-20: All students seeking issuance of a Form I-20 must submit a completed Application for Issuance of Form I-20. This form will serve as verification of the mailing address the student wishes his/her Form I-20 to be sent.

*ELI students are allowed to take some undergraduate courses appropriate to their level of English proficiency and at the discretion of the ELI Director. See English Language Institute (ELI) Program for more details.

*Upon successful completion of the ELI program, ELI students may apply for admission to the undergraduate program. The language requirement for admission will be satisfied with successful completion of the ELI program by passing the ELI exit examination and receiving written consent from both the Director of ELI and the Department of English. The admission application fee will be waived and the enrollment fee/deposit will be \$400. Otherwise, the application procedures will be the same as for any other international undergraduate student.

Enrollment Requirements for International Students

The following items must be submitted to the Office of Admissions before an international student may enroll at Carson-Newman College.

New Student Enrollment Fee/Deposit: \$500 (U.S. dollars) enrollment fee/deposit must be submitted to the Office of Admissions prior to enrollment and issuance of Form I-20 (for students entering the undergraduate program). \$100 (U.S. dollars) enrollment fee/deposit must be submitted for students entering the English Language Institute. The request for the enrollment fee/deposit will be made after offer of acceptance.

Final official transcript(s): showing completed coursework and graduation date with certified English translations and professional evaluation of any university level studies must be provided.

Health Insurance: All international students are required to have health insurance purchased through the College.

10 Admissions

International Student Application Deadlines

For the Fall Semester: June 1

For the Spring Semester: November 1

For the Summer Semesters: February 1

All tuition, fees, and charges are payable on or before registration.

Issuance of Certificate of Eligibility (INS Form I-20): Form I-20 will be issued only after acceptance to Carson-Newman College has been granted and the College has received all required paperwork (which includes transfer release form from previously attended United States institution/F-1 sponsoring school if applicable).

Early Admission

Applicants who have completed their junior year of high school in the top 10% of the junior class and have scores in the 90th percentile or above on college-bound norms of the ACT, SAT, or NMSQT will be considered for early admission. Applicant must be 16 years of age or older at time of enrollment. Applicants must submit documents listed as requirements for Freshman Admission.

Dual Enrollment

Carson-Newman College welcomes applications from high school students who, during their junior or senior year, wish to earn college credit while still enrolled in a secondary school. Dual enrolled students typically will enroll for up to six hours of credit (see note under **Fees**), although permission to take additional courses may be granted.

Dual Enrollment admission decisions are based on the following:

1. High School Academic Record and Cumulative GPA
2. Standardized Test Scores (ACT or SAT). Carson-Newman College does not require the essay for standardized tests.
3. Additional factors that demonstrate probability of college success

Dual enrolled students must have the permission of the high school to complete coursework at Carson-Newman College that fulfills graduation requirements for the high school diploma.

Candidates seeking dual enrollment admission should submit the following to the Office of Admissions:

1. Completed application for admission
2. Official High School Transcript(s)
 - * High school juniors must submit transcript showing completion of the sophomore year coursework
 - * High school seniors must submit transcript showing completion of the junior year coursework
3. ACT or SAT test scores
4. Dual Enrollment Agreement

Application Deadline: May 1 for the fall semester and summer sessions; December 1 for the spring semester - In order for the admissions office to process the applications for dual enrollment, students must apply by these priority dates. If the student does not apply for admission before each deadline, the student may not be able to enroll in the class at the time needed to be dual enrolled.

Fees: Carson-Newman College will allow junior and senior year high school students to enroll for two classes each semester at the dual enrollment rate. Dual enrolled students enrolled for more than two classes will be charged according to the time the class is offered, beginning with the third class. For example, if the class is offered during the day, the student will be charged the part-time day rate. If the class is to be taken during the evening or weekend, the evening rate will be applied toward the third class. Dual enrolled students may take a maximum of 11.5 hours per semester. Students taking more than two classes will be charged a part-time student activity fee and a part-time technology fee. Students will also be responsible for purchasing Carson-Newman College student I.D. cards, parking passes and books. Dual enrolled students will also be responsible for completing registration confirmation with the Treasurer's Office by the first day of class each semester and will incur any course fees that are associated with the dual enrollment class.

Class Registration: Dual enrollment class registration will be handled by the C-N Dual Enrollment Coordinator. Students who wish to dual enroll on-campus should contact the DE Coordinator in the Office of Admissions to register for courses.

Books for Dual Enrollment Courses: Students are responsible for ordering/purchasing dual enrollment course textbooks either online at <http://cnbookstore.cn.edu/> or directly from the Bookstore on campus.

Financial Assistance: Dual enrolled students will not qualify for federal or institutional financial aid, but eligible Tennessee residents may qualify for the Tennessee Dual Enrollment Grant. Please visit www.collegepaystn.com for more information.

Audit Admission

Applicants who wish to participate in credit courses for the learning experience only (without earning credit) may apply for admission in an audit status. Cost is one half of the tuition rate per credit hour. Applicants must submit an application for admission and high school or college transcripts. Auditors may enroll in classes upon instructor approval on a space-available basis.

Post-Baccalaureate Admission

Candidates, who have obtained a bachelor's degree and wish to enroll in coursework seeking a second degree, teacher certification or health professions preparation, may apply for post-baccalaureate admission. Graduates of Carson-Newman College must complete a re-admission application. Candidates who do not have an undergraduate degree from Carson-Newman College must submit an application for admission and official college transcripts.

Candidates who possess a baccalaureate degree and wish to enroll at Carson-Newman College as a non-degree seeking student may apply for admission as a post-baccalaureate student. Applicants must submit an application for admission, and official college transcripts. Students who are admitted as post-baccalaureate non-degree seeking students are not eligible for financial assistance from Carson-Newman College.

Admission Based on GED Diploma

Applicants will be considered who have completed two or more years of high school and who have made a satisfactory score on the General Education Development Test. Applicant's high school class must have graduated. Applicants must submit an application for admission, high school transcript(s) showing all work attempted, official GED scores, and ACT or SAT test scores (for all applicants under 25 years old).

Admission Appeal Process

If a student wishes to appeal the undergraduate admission decision, he or she should submit a written letter of appeal to the Director of Undergraduate Admissions. The Director of Undergraduate Admissions, in consultation with the Admissions Review Committee, will render a decision for the student. If the student wishes to appeal the committee's decision, he or she should submit a written appeal to the Provost.

Credit by Examination

There are several college approved testing programs whereby students can establish proficiency in subject areas. Students may not receive credit by examination once college coursework has been attempted in the subject area. Credit for coursework by examination will be added to a student's transcript only during the period in which a student is pursuing a degree at Carson-Newman College. Credit earned by examination is limited to a maximum 32 hours. Approved programs are:

Departmental Examinations - Students who can provide supporting evidence demonstrating achievement in a subject offered by Carson-Newman College may be able to receive credit by **departmental examination**. Arrangements for these examinations should be made with department chairs. The fee for departmental examinations is \$10 per credit hour, excluding nursing exams.

College Entrance Examination-Advanced Placement (CEEB-AP) Test - Credits earned by an advanced placement examination may be used to meet liberal arts core requirements for degrees offered at Carson-Newman College.

Students with high performance levels in English, math, chemistry or another high school subject may bypass the required courses by taking the **College Entrance Examination Board-Advanced Placement (CEEB-AP) Test**. Advanced Placement tests are administered at high schools. Scores should be sent directly to the Registrar's Office at Carson-Newman College. Carson-Newman College grants advanced placement and credit for a score of 4 or 5 on each CEEB-AP examination, subject to department approval. Some departments will award credit for a score of 3. Departments will determine if the advanced placement credit may be part of the major sequence. The fee for establishing CEEB credit at Carson-Newman College is \$10 per credit hour.

Advanced Placement Examinations	Score	C-N Equivalency	C-N credit hours
American Government and Politics	3, 4, or 5	Political Science 102	3
Biology	4 or 5	Biology 101	3
Comparative Government and Politics	4	Political Science general education	3
Economics: Micro	4 or 5	Economics 210	3
Economics: Macro	4 or 5	Economics 220	3
Environmental Science	4 or 5	Biology 102	3
Calculus AB	4 or 5	Mathematics 151	3
Calculus BC	4 or 5	Mathematics 151 and 152	6
Chemistry	4 or 5	Chemistry 103 and 104	6
Computer Science A	3	Computer Science 107	3
Computer Science AB	3	Computer Science 107	3
English Language/Composition	4 or 5	English 101	3
English Literature and Composition	4 or 5	English 101	3
Environmental Science	4 or 5	Biology 102	3
European History	4 or 5	History 333	3
Human Geography	4 or 5	Geography elective	3
Music Theory	4	Music 111	3
Music Theory	5	Music 111, 112	6

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Physics B	4	Physics 103	4
Physics B	5	Physics 103 and 104	8
Physics C	4 or 5	Physics 201	4
Physics C: Electricity and Magnetism	4 or 5	Physics 104	4
Psychology	4 or 5	Psychology 101 or 102	3
Statistics	4 or 5	Mathematics 201	3
U.S. History	4	History 201	3
U.S. History	5	History 201 and 202	6
World History	4	History 133	3
World History	5	History 133 and 134	6

The College Level Examination Program (CLEP) - CLEP is designed to measure knowledge acquired through non-traditional means, i.e., the workplace, as well as through formal study. Carson-Newman College grants credit according to the following provisions:

1. CLEP credit is limited to introductory courses.
2. CLEP credit is given only for subject examinations. (Students seeking English composition credit must pass both the essay and objective sections of the subject examinations entitled College Composition Modular.)
3. CLEP credit may be given for scores that are equal to or exceed the ACE recommended score of 50 on each approved exam.
4. The fee for establishing CLEP credit at Carson-Newman College is \$10 per credit hour.

CLEP Subject Examinations	Score	C-N Equivalency	C-N credit hours
American Government	50	Political Science 101	3
Analyzing and Interpreting Literature	50	English 201	3
Calculus with Elementary Functions	50	Mathematics 151	5
College Algebra	50	Mathematics 120	3
English Literature	50	English 362	3
Financial Accounting	50	Accounting 201	3
College Composition Modular	50	English 101	3
(essay to be graded by Department of English and combined scores will determine if credit is granted.)			
History of the United States I:			
Early Colonization to 1877	50	History 201	3
History of the United States II:			
1865 to the Present	50	History 202	3
Human Growth and Development	50	Psychology 206	3
Humanities	50	Humanities general education	3
Information Systems and Computer			
Applications	50	Computer literacy general education	3
Intro to Educational Psychology	50	Education elective	3
Introductory Business Law	50	Business Administration 301	3
Introductory Psychology	50	Psychology 101	3
Introductory Sociology	50	Sociology 101	3
Pre-Calculus	50	Mathematics 125	3
Principles of Marketing	50	Marketing 300	3
Principles of Microeconomics	50	Economics 210	3
Principles of Macroeconomics	50	Economics 220	3
Trigonometry	50	Mathematics 125	3
Western Civilization I:			
Ancient Near East to 1648	50	World History general education	3
Western Civilization II:			
1648 to present	50	World History general education	3

For further information about CLEP tests, contact the Carson-Newman College Life Directions Center at 865-471-3567, visit the web www.collegeboard.com/highered/clep/index.html, or write to: **College Level Examination Program, Box 1821, Princeton, NJ 08540**

International Baccalaureate - Credit will be awarded to those students who score 5 or higher on the Higher-Level examinations in transferable subjects. Lower-division (100-200 level) credit from 3-8 hours will be awarded per examination, subject to the review and approval of the appropriate department, with a maximum award of 32 hours. Credit is NOT awarded for completion of Subsidiary Level Examinations.

Academic Credit Through the Military

Carson-Newman College participates in the Concurrent Admissions Program (CONAP) sponsored by the U.S. Army. Those planning to enter the Army may apply to the College for admission prior to entering active duty. While on duty, students may take courses at other accredited colleges, at the Army's expense and transfer them to Carson-Newman College.

Veterans of the U.S. Armed Services, and members of the military reserve, may receive **academic credit for military training** based on recommendations of the American Council of Education. Consult the Registrar and the **Guide to the Evaluation of Educational Experiences in the Armed Services**. All transcripts of previous education and transcript records of training through the military should be submitted for evaluation (i.e. AARTS).

Campus Visits

To arrange a campus visit, contact the Office of Admissions or request a visit online at www.cn.edu. Guests are welcome to visit campus Monday-Friday, 8:30 a.m. - 4:00 p.m. and on designated Saturdays each month (except holidays and break periods). Weekly campus tours are offered at 10:00 a.m. and 2:00 p.m.

The Office of Admissions hosts Fall and Spring preview events for prospective students and their families. Contact the Office of Admissions for specific dates and details or visit the Admissions webpage for more information.

Overnight Visitation Accommodations

Carson-Newman College gladly provides accommodations for prospective students who wish to stay overnight in one of our residence halls. Overnight campus guests spend the night with Carson-Newman student-hosts in their residence hall rooms. Guidelines for overnight stay are as follows:

- Reservations for overnight accommodations must be made at least five (5) days prior to the date of visit.
- Overnight guests must either be at least 16 years of age or a junior in high school.
- Residence hall stays are limited to one night. Meal passes are issued for a maximum of two (2) meals.
- Beds may not always be available, so it may be necessary to bring a sleeping bag/blanket and a pillow (most hosts have carpet).
- Overnight accommodations are not available during final exam periods or College holidays.
- Please call the Office of Admissions regarding cancellations or delays.

If you have any questions about the above guidelines or your campus visit in general, please do not hesitate to contact the Office of Admissions by phone at 1-800-678-9061 or 865-471-3223 or by e-mail at admitme@cn.edu.

For questions or additional information concerning admission to Carson-Newman College, contact:

The Office of Admissions
Carson-Newman College
Box 72025
Jefferson City, TN 37760

865-471-3223
1-800-678-9061
admitme@cn.edu

Costs 2012-2013

Following is a list of the major expenses which a student can incur at Carson-Newman College. Tuition and fees for full-time students cover the basic costs (excluding fees for labs, classes, equipment, activities, etc.) of class instruction, matriculation, basic medical care in the College Wellness Center for minor illnesses and accidents, admission to the concert/lecture series, admission to athletic events held on campus (excluding special tournaments), and contributions to several student organizations and publications.

The College reserves the right, beginning any term, to change its charges for tuition, fees, room and board without advance notice prior to such change.

Tuition, Room and Board

Basic Costs	Per Semester	Per Year
Tuition (12-17 hours)	\$10,830	\$21,660
Tuition (less than 12 hours)	\$902 per credit hour	
Tuition (over 17 hours)	\$648 per credit hour	

Room Costs	Per Semester	Per Year
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Women's Residence Halls

Alumni Traditional 2-Person Room		
With Double Occupancy	\$1,472	\$2,944
With Single Occupancy (Private)	\$2,208	\$4,416
Single-Person Room	\$1,748	\$3,496
Burnett Traditional 2-Person Room		
With Double Occupancy	\$1,068	\$2,136
With Single Occupancy (Private)	\$1,605	\$3,210
Swann Traditional 2-Person Room		
With Double Occupancy	\$1,472	\$2,944
With Single Occupancy (Private)	\$2,208	\$4,416
Single-Person Room	\$1,715	\$3,430

Men's Residence Halls

Heritage Hall Traditional 2-Person Room		
With Double Occupancy	\$1,283	\$2,566
With Single Occupancy (Private)	\$1,925	\$3,850
Butler Traditional 2-Person Room		
With Double Occupancy	\$1,472	\$2,944
With Single Occupancy (Private)	\$1,925	\$3,850
Single-Person Room	\$1,925	\$3,850

Appalachian Commons

Appalachian Commons Apartment Complex:

Standard 4-Bedroom With 4-Person Occupancy	\$1,737	\$3,474
Standard 2-Bedroom With 2-Person Occupancy	\$2,080	\$4,160

All charges must be paid in full on or before final registration.

All fees and charges are subject to change.

Meal Plans	Per Semester	Per Year
Residential:		
Unlimited meal plan*	\$1,920	\$3,840
12 meal plan (any 12 meals weekly)*	\$1,720	\$3,440
Commuter:		
100 meal/semester block plan (Available Only to Appalachian Commons Residents and Commuters)**	\$995	\$1,990
40 meal/semester commuter block plan (Commuters Only)**	\$545	\$1,090
*Includes initial \$100 declining-balance (Eagle bucks) account per semester.		
**Includes initial \$250 declining-balance (Eagle Bucks) account per semester.		

You can add \$25 increments for Eagle Bucks by paying with cash, check, money order, debit card, or credit card online (see dining services).

Basic Costs	Per Semester	Per Year
Technology Fee		
Full-time	\$248	\$496
Part-time	\$124	\$248
Student Activity Fee		
Full-time	\$248	\$496
Part-time	\$204	\$408
Books (estimate)	\$700	\$1,400
Room damage deposit and resident life fee (\$50 non-refundable)	\$150 per year	

Special Fees

(General only; this list excludes course and laboratory fee, as well as special class activities)

Advanced placement/credit by exam (excludes nursing exams)	\$10 per credit hour
Auto registration	\$35 for year \$25 for spring and summer only \$15 for summer only
Course audit is one half of tuition rate per credit hour	
Course change	\$10 per class change processed (see academic calendar for drop/add date)
Enrollment fee for new students	\$200
Graduation fee	\$100
Late enrollment confirmation and registration fee	\$25
(Assessment based on registration completion date assigned/determined by Treasurer's Office)	
Private music lessons	
One 30-minute lesson per week	\$100
Two class sessions per week	\$200
Returned check fee	\$25
Student teaching fee	\$200

Evening College Rate

The **tuition** rate is reduced for students enrolled for no more than 13 semester hours in classes meeting at or after 4:00 p.m., on weekdays or in classes on Saturdays. Discounts may also apply to other fees, including the Technology Fee and the Student Activity Fee. Consult the latest published Schedule of Evening College Fees for costs.

Note: A student enrolled in **any on-campus day class** (8:00 a.m. - 3:50 p.m. MTWRF) or in independent study will be charged the **regular day tuition rate** for all coursework, even if the student is also enrolled in evening or off-campus classes.

Multi-Dependents Grant

Dependent siblings, or parent and children, or husband and wife, who are simultaneously enrolled at Carson-Newman as full-time undergraduates at the day rate, can receive a tuition savings of \$500 per student enrolled. Eligible students should contact the Office of Financial Assistance for further information.

Senior Citizens

Citizens over the age of 65 who are non-degree seeking may take one course per term for \$50 per credit hour. This rate is applicable for enrollment on a space available basis, which allows registration no earlier than the day before classes begin. The audit rate policy is not applicable to citizens paying the \$50 per credit hour rate.

Costs for Mayterm and Summer Terms

Since college operating and instructional expenses are generally less during these terms, the tuition rate is reduced. Consult the summer course schedule booklet (online) for information regarding payment, refunds, and withdrawals.

Registration and Tuition Charges

Students who register for courses incur tuition charges. The student will be responsible for payment of tuition charges for course registration unless the Registrar’s Office is notified by the student to cancel his/her course registration prior to the day classes begin.

Payment for tuition and fees is due prior to the day classes begin. If, by the end of registration, a student fails to make arrangements for payment of his/her student account, the student’s registration will be cancelled!

If a student makes arrangement for payment of tuition and fees after being dropped from course registration and class rolls, re-enrollment must be approved by the Treasurer’s Office, the Provost, and the Registrar. If re-enrollment is approved, the student will be subject to late registration and re-enrollment fees.

Payments

Tuition, fees, and all other costs for the semester are payable upon registration. For students with definite commitments of funds from the Office of Financial Assistance, the difference between the total cost for the semester and the financial aid commitment is payable upon registration. Payment of the difference between enrollment charges and financial aid can be made by cash, personal check, DISCOVER CARD, VISA, MASTERCARD, or through the TuitionPay deferred payment plan. Information on this plan is mailed to all new students after acceptance for admission to Carson-Newman College and can also be obtained from the Treasurer’s Office or online at TuitionPay.com.

By enrolling, the student agrees to pay all expenses incurred by Carson-Newman College to collect any outstanding debt, including attorney and collection agency fees. Carson-Newman College reserves the right to report the status of any outstanding indebtedness owed to credit reporting agencies.

Each student must settle his/her account for the current semester, including library and traffic fines, infirmary charges, etc., before he/she will be eligible to enroll for a subsequent semester, before grades are issued, or before a transcript of his/her academic record can be released by the Registrar’s Office.

Refunds

When dropping a class but not withdrawing from school:

A refund will be given to those students who drop a course by the last day of the drop/add period during a regular semester or by the second day of class for accelerated modules.

When withdrawing from school:

If a student elects to withdraw after beginning attendance, the student must contact the Office of the Registrar to initiate the formal withdrawal process. Any situation in which all classes are dropped is considered withdrawal from the College. The date of withdrawal used to compute refunds is determined by the date the student provides notification or the student’s last date of attendance whichever is later and is posted on the student’s record by the Registrar’s Office. The Treasurer’s Office computes tuition refunds based on the College’s refund policy which is as follows:

Tuition Refund Schedule for Withdrawal from the College

During first week of semester	90%
During second week of semester	75%
During third week of semester	50%
During fourth week of semester.....	25%
After four weeks	0%

In other words, after the fourth week of a semester, no refund will be granted for that semester’s tuition.

If a student with federal (Title IV) student financial aid withdraws, drops out of school, or is dismissed from the College, the Office of Financial Assistance will determine the portion of federal aid that has been earned and the balance that is unearned must be returned to the payer. Federal aid is earned based upon the student's days in attendance and has no relation to the tuition refund percentage computed above. It is important to note that federal aid may not cover all unpaid institutional charges due upon a student's withdrawal and that a Stafford Loan borrower will begin using the 6-month grace period after which loan repayment will begin. Perkins borrowers have a 9-month grace period. For specific questions concerning the computation of earned federal aid, please contact the Office of Financial Assistance.

During each semester's last day to qualify for a tuition refund for dropping a course, a student may voluntarily reduce or cancel a commitment for room and board (i.e. a meal plan). Charges for both are recomputed to arrive at the amount refundable.

After the semester's last day to qualify for a tuition refund for dropping a course ends, room-and-board commitments are considered non-cancelable. However, an alternative room assignment can be authorized by the Carson-Newman College Residence Life Director, and a meal plan can be changed but only to one that offers more meals per week.

If a student withdraws from the College or moves off campus after the semester's last day to qualify for a tuition refund for dropping a course ends or is dismissed from the College for disciplinary reasons, no refund will be granted for any portion of room charges.

If a student withdraws from the College or moves off campus with the permission of the Carson-Newman College Residence Life Director, the student will receive a pro-rated refund of his or her board charges only. If a student withdraws from the College or moves off campus without the permission of the Carson-Newman College Residence Life Director or is dismissed from the College for disciplinary reasons, no refund will be granted for any portion of the board charges.

Charges for a meal plan commitment that a student voluntarily reduces during the semester's last day to qualify for a tuition refund for dropping a course or subsequently cancels by withdrawing from the College or by moving off campus with the permission of the Carson-Newman College Residence Life Director are recomputed based on the ratio of whole weeks remaining in the semester to total weeks in the semester, and a refund is paid accordingly. However, no refund will be paid for a partial week and no refund will be given for any of the last four weeks of a semester. Any unused portion of the declining-balance account (Eagle Bucks) is not refundable.

The unused portion of a student's declining balance (Eagle Bucks) account will be transferred from the fall to the spring semester only if the student continues to have a meal plan that includes a declining balance (Eagle Bucks) account. At the end of the spring semester, the unused balance of a declining balance (Eagle Bucks) account is forfeited. It is not refundable and cannot be transferred to any subsequent period.

The tuition refund policy for the Mayterm and summer terms are published in the Summer Schedule. For students with federal student financial assistance, the portion of federal assistance that has been earned and the balance that must be returned to the payer will be determined by the Financial Assistance Office.

Student Group Insurance Plan

The college administration believes it prudent for every full-time student to have accident and health insurance. An internet link to enroll in a third-party student group plan is available on the C-N website at Treasurer's Office>Insurance>accessing accounts or www.studentinsure.com/CNC or www.nssinc.com.

International students are required to purchase insurance through a plan approved by the College. Each student's account is charged during the fall semester for six months of coverage and during the spring semester for six months of coverage. The cost is approximately \$1,200 per academic year for an unmarried student. If the international student has his/her own insurance good in the United States and can show proof and signs a waiver of insurance with the Treasurer's Office, the insurance charge will be removed.

Damage to College Property

Failure to respect College property, including but not limited to the residence halls and any property which is not the student's, is prohibited. Residents may be required to pay restitution for any damages incurred.

Financial Assistance

Financing a college education is one of the major concerns for students and parents. Carson-Newman College offers a comprehensive financial assistance program that includes federal, state, and institutional resources of aid. The Office of Financial Assistance at Carson-Newman College is available to assist families in completing the steps that are necessary in applying for aid. Students wishing to apply for any type of assistance must complete the Free Application for Federal Student Aid (FAFSA). This information is used in a formula established by the U.S. Congress to calculate the expected family contribution, known as the EFC. The EFC is an amount that students and families are expected to contribute towards the student's educational costs. Many types of assistance are based upon financial need, which is defined as the student's educational cost minus the EFC. The FAFSA should be completed even if students think they will not qualify, are requesting merit only awards, or are requesting loan or work-study employment. In addition, to receive assistance from federal student aid programs, students must also be U.S. citizens or eligible non-citizens; be admitted into a degree program; and continue to make satisfactory academic progress (SAP) every semester.

Carson-Newman College offers the following types of assistance: scholarships and grants, loans, and part-time employment through the work-study program. These types of assistance may be awarded individually or in combination depending upon the needs of the student and family. Priority for awarding assistance will be reserved for processed application data received on or before February 15th. The financial need of a family will also be used in priority of awarding funds as well. Notification of assistance will be in the form of an award letter and will also be available for viewing via C-N Connect at the student's convenience. New students must first apply and be accepted for admission to Carson-Newman College before an award letter is prepared. Continuing students need only to complete the FAFSA each year and maintain satisfactory academic progress. For additional information on any financial aid or scholarship program please contact the Office of Financial Assistance or view online at <http://admissions.cn.edu/admissions/finaid/default.asp>.

How To Apply For Financial Assistance:

1. Complete the FAFSA online at www.fafsa.ed.gov. FAFSAs should be submitted between January 1st and February 15th prior to the fall semester. If a paper application is needed, students may request one directly from the U.S. Department of Education.
2. List Carson-Newman College with our federal code of 003481. We encourage Tennessee residents to list a Tennessee private school as the first choice school on the FAFSA to ensure maximum eligibility of state funds.
3. Once all forms have been received, a financial assistance counselor will review the file for eligibility for financial aid, and an award letter notification will be generated outlining the proposed assistance.

NOTE: Federal and or state regulations governing the application process and awarding of financial assistance may change. These changes may impact the awarding and renewal of financial assistance at Carson-Newman College.

Student responsibility in completing necessary forms and returning them to the Carson-Newman College Financial Aid Office as quickly as possible cannot be over emphasized. Information and applications are available on the C-N Financial Assistance website at www.cn.edu or may be obtained by writing or calling:

Office of Financial Assistance
Carson-Newman College
1645 Russell Avenue
Jefferson City, TN 37760
865-471-3247 or 1-800-678-9061

No aid is automatically renewable; all aid requires application each year. Priority deadline is **February 15th** for aid to be awarded for the following fall semester. For further information, please e-mail the Office of Financial Assistance at financialaid@cn.edu.

Initial Eligibility and Satisfactory Academic Progress (SAP):

1. Initially, to be eligible to receive financial aid, students must be able to demonstrate their “ability to benefit”. Financial aid is considered renewable up to 150% of a student’s approved program of study, leading to a degree, providing the student satisfies the standards of Satisfactory Academic Progress as outlined below.
2. A student will be considered as making satisfactory progress in receiving financial aid provided:
 - a. The student is eligible to re-enroll at Carson-Newman College, and
 - b. The student is making progress at a rate not less than demonstrated by the following scale:

Qualitative

Number of cumulative credit hours attempted	.5-16.5	17-31.5	32-48.5	49-63.5	64 +
Minimum cumulative GPA required	1.00	1.40	1.70	1.90	2.00

Quantitative

Number of attempted fall/spring credit hours	32	24	12	9	6 or less
Number of credit hours a student must earn 67% of attempted credit hours	21.5	16	8	6	4.0

Number of required credits to earn degree 128

Maximum number of cumulative attempted credits (150%) 192

If a student earns a 0.0 GPA in a term, they will be suspended from assistance in a subsequent term and must file an appeal.

Summer Semester: All of Carson-Newman Satisfactory Progress Standards will apply to the summer semester as well as to fall and spring. Our review to determine Satisfactory Progress will affect distribution in the summer.

SAP Evaluation Process:

1. Review for SAP will be conducted at the conclusion of each term, including summer. Students who are determined to be ineligible for further aid will be notified. It is your responsibility to ensure that lost eligibility is restored.
2. Students will have one semester of probation on the first instance of a failed SAP calculation.
3. A subsequent calculation failing SAP will result in Financial Assistance Suspension.
4. For financial aid, all grades of F, W, WP, WF, U, or I will not count as hours earned but will count as hours attempted.
5. Repeated hours will count towards attempted hours. All attempted hours will count against your 150% of degree credits limitation. Repeats of “D” grades or better will not count towards your enrollment status for that term, as Carson-Newman has a replacement grade provision. If your grade of “D” or better is replaced, then you will not be considered as earning those credits, only attempting those credits.
6. Transfer credits accepted by Carson-Newman College for credit will count in attempted and in earned hours totals.
7. **TELS Hope Awards:** Evaluation to determine continued eligibility for TELS Hope awards will occur upon attempting 24, 48, 72, and 96 hours for all coursework attempted after high school graduation. If a student fails to meet TELS Hope satisfactory academic progress (SAP), they will be sent a written letter with important information and future TELS Hope awards may not be available. Refer to complete terms and conditions available at www.cn.edu for TELS requirements. TELS requirements are subject to change.
8. Once a student has earned enough credits for a degree to be conferred, the student will be considered as completing the degree, as specified in the college catalog under “Common Requirements for All Baccalaureate Degrees”. Financial aid eligibility is for students enrolled as a regular student in an eligible degree program. Adding minors and/or a second major beyond the degree requirements will not increase a student’s eligibility for financial aid.

Student Athlete and Satisfactory Academic Progress

Carson-Newman College holds membership in the South Atlantic Conference (SAC) and the National Collegiate Athletic Association (NCAA). The College conforms to all regulations adopted by this organization which stipulate that:

1. Athletes must be in academic good standing and be making satisfactory academic progress as defined by the College, SAC and NCAA.
2. Participants in intercollegiate athletics must be enrolled in a minimum 12 semester hours during the term of participation. Additional requirements relating to test scores, credits, GPA and various other issues are stated in regulations published by each of the organizations. Consult the coach and/or the Athletic Director.

Scholarships and Grants

Carson-Newman College scholarships, grants, and awards are made possible by the generosity of funds provided from individuals, alumni, outside foundations, and other organizations. The majority of awards are coordinated by the Office of Financial Assistance and based upon strong academic criteria as well as financial need. Individual academic areas administer some undergraduate scholarship programs for prospective and enrolled students. A separate application may be required. Please refer to the scholarships, grants, and awards page of the financial assistance website for more information or contact the academic area for more information.

Federal Grants

The **Federal Pell Grant** is for exceptional need students. It is a grant that does not have to be repaid. Eligibility is determined by the results of the FAFSA. Actual amount awarded may vary according to the number of hours that a student enrolls per semester. Any changes to enrollment status must be reviewed by the Office of Financial Assistance. After drop period is complete, each student who is enrolled in less than 12 hours is reviewed to make sure the student is still eligible for the amount awarded. Amounts will be adjusted prior to the student receiving a refund.

The **Federal Supplemental Educational Opportunity Grant (SEOG)** is for Federal Pell Grant recipients only. It is a grant that does not have to be repaid. This award has limited funding. The award is further limited to students who are Federal Pell Grant recipients and have exceptional financial need as determined by the FAFSA. SEOG is awarded based on the availability of funds. Renewal from year to year is not guaranteed.

The **Federal TEACH Grant** is a non-need based award. This grant is for students who are pursuing teaching credentials in high need fields. The student must agree to teach for four years in a high need field and high need area. The student must score above the 75th percentile on a college admissions test such as ACT, SAT, or GRE or graduate from high school with a cumulative GPA of at least a 3.25 on a 4.0 scale or have a cumulative GPA of at least 3.25 on a 4.0 scale on college coursework to receive a grant for each subsequent term. For more info go to <https://teach-ats.ed.gov/ats/index.action>. Should the teaching requirements not be fulfilled, the grant retroactively converts to an Unsubsidized Direct Loan. Please use your best judgment when deciding to accept this award or not.

State Grants

The **Tennessee Student Assistance Award (TSAA)** is available for undergraduate students only. It is a grant that does not have to be repaid. Eligibility is determined by the results of the FAFSA. This award has limited funding. The award is limited to students who are Federal Pell Grant recipients and have exceptional financial need. Students must be a Tennessee resident. Actual amount of TSAA awarded is determined by the number of hours that a student is enrolled per semester. Any changes to enrollment status will be reviewed by the Office of Financial Assistance. After drop period is complete, each student who is enrolled in less than 12 hours is reviewed to make sure the student is still eligible for the amount awarded. TSAA is awarded based on the availability of funds. Renewal from year to year is not guaranteed. In order to maximize your eligibility for these funds, students should file the FAFSA by the priority deadline of February 15th each year. A student is also limited to eight semesters of eligibility of TSAA award.

The **Tennessee Education Lottery Scholarship (HOPE)** is awarded to students who have been a Tennessee resident for one year by September 1 of the year of application date. For students beginning spring and summer terms, residency determined by February 1 as of application date. Recipients must enroll in a TN public college, university, or private college listed on www.CollegePaysTN.com. Please visit www.CollegePaysTN.com for eligibility and renewal requirements. Students eligible for the TN HOPE scholarship may be eligible for funds from the **TN General Assembly Merit Scholarship (GAMS)** or the **TN Aspire Award (Aspire)**. Eligibility for the GAMS award will be determined by the student's weighted GPA and ACT/SAT score. Eligibility for the Aspire award is determined by information from the FAFSA. A student may only receive one award in addition to the TN HOPE Scholarship. The student will be given the largest award that he/she is eligible to receive.

Federal Work-Study

The **Federal Work-Study Program** provides jobs for students who have financial need and who need to earn a part of their educational expenses. Students must complete a work-study application to facilitate job placement. The application is available on the financial assistance web page. Eligible students are placed in jobs on campus where they can work a limited number of hours per week. Jobs are available in a variety of departments across campus. The rate of pay for most jobs is at least the federal minimum wage.

Student Loans

The **Federal Perkins Loan Program** provides low-interest rate loans that are awarded to students on a high need basis. The availability of funds is limited. Students awarded this loan must complete additional paperwork for the funds to be credited to the student account. Students must be enrolled or admitted into a degree seeking program on at least a half-time basis. Filing the FAFSA is required. Renewal from year to year is not guaranteed.

The **Federal Stafford Loan Program** provides low-interest loans made by a lender of the student's choice. These loans are insured by a guaranty agency in each state and reinsured by the Federal Government. Students may be eligible for the Federal Subsidized Stafford Loan or the Federal Unsubsidized Stafford Loan depending on the student's remaining unmet need. Filing the FAFSA is required as well as completion of entrance requirements and a master promissory note (MPN). Students must be enrolled or admitted in a degree seeking program on at least a half-time basis.

The **Federal PLUS Loan** is a federal loan in the parent's name. If your parents declined, you may become eligible for additional Federal unsubsidized Stafford Loan.

Federal Grad PLUS Loans are available to graduate students only. Many times a graduate student's cost of attendance are covered through other federal loan programs. Any graduate student interested in this loan should contact the Office of Financial Assistance.

Alternative loans are consumer based education loans that are not part of the federal government programs. Alternative loans are more expensive than the federally guaranteed loans and should only be used after all other forms of financial assistance have been exhausted. If you determine that an alternative loan is needed, please research your options carefully. Each lender has different fees, interest rates, and repayment options. Most alternative loans require a co-borrower. Maximum loan amounts vary depending on the amount of other financial assistance you are receiving. Some lenders may defer repayment of principal until student ceases to be enrolled at least half-time.

Veterans Educational Assistance

Carson-Newman College has been approved by the Tennessee Higher Education Commission to provide programs and courses of instruction to veterans of the United States Military or dependents of deceased or disabled veterans eligible for educational benefits.

To receive educational benefits, eligible recipients must be accepted for admission to the College. The application for VA Educational Benefits (Form 22-1990) must be completed and submitted by the student recipient. The Notice of Benefits Eligibility (NOBE) or Certificate of Eligibility (COE) must be to the School Certifying Official. The College Registrar, who serves as the VA Certifying Official, will submit the enrollment certification (Form 22-1999) for eligible veterans or their dependents. Enrollment certifications are submitted *after* the eligible student has completed the registration process. Applications and all supporting documents should be submitted at least eight weeks before the start of the first semester of enrollment for first time recipients. Certifications for *first time Chapter 35* beneficiaries cannot be submitted until after the first day of class attendance of the first term of enrollment.

All veterans, National Guard, and Army Reserve recipients must submit a copy of their DD-214 to the Registrar's Office for evaluation of transfer credit. Veterans who have served on active duty must also provide a copy of their AARTS transcript.

Recipients who have received VA educational benefits and plan to transfer to Carson-Newman College from another college must complete and submit a Change of Program or Place of Training Application (Form 22-1995). Official transcripts from all colleges and universities attended must also be submitted in order to determine prior credit.

Carson-Newman College has also been approved by the Veterans Administration to participate in the Yellow Ribbon Program. Veterans or dependents of veterans who qualify for the Post-9-11 GI bill must be 100% eligible to participate in the Yellow Ribbon Program. For information on current policies for the Yellow Ribbon Program, contact the College Registrar who serves as the School Certifying Official or consult the college website -- www.cn.edu/administration/registrar-office/veteran-affairs.

Federal guidelines and regulations are specific regarding eligibility to receive veterans' educational benefits. Eligible recipients must be pursuing an educational objective, which is defined at Carson-Newman as leading to a bachelor's or master's degree. Recipients must be degree seeking students and designate an approved major and program of study. Courses approved for certification are those that are required for the recipient's major and program of study. Recipients of educational benefits must work closely with an academic advisor to make certain that courses taken are part of degree requirements for their chosen academic program. Excessive elective courses or courses in which a passing grade has been earned (except for courses in which a grade of "C" or higher is required) will not be approved for certification.

Students receiving educational benefits are responsible for notifying the College Registrar for any change in enrollment that would affect receipt of educational benefits. Satisfactory attendance, conduct and progress, as defined by the College, must be maintained in order to continue receiving benefits. VA Educational Benefits recipients who are placed on academic probation must raise their academic standing to meet academic progression standards by the end of the second semester on probation in order to continue receiving VA educational benefits. Students receiving VA Educational Benefits whose probationary period exceeds two consecutive terms will not be certified for educational benefits until satisfactory academic standing is achieved.

The Carson-Newman College VA Educational Benefits Recipient Statement of Understanding must be signed and submitted to the School Certifying Official before enrollment certifications will be processed.

For additional information concerning Veterans Educational Benefits, please contact the College Registrar, who serves as the School Certifying Officer.

Office of Student Affairs

The Division of Student Affairs encompasses student life outside the classroom. It provides leadership for a well-balanced co-curricular program and utilizes the Wellness Model with its six areas as a foundation for student growth and development. The six areas include: spiritual, social, emotional, career, physical and intellectual development. The co-curriculum is designed to support the mission of the College. The Student Affairs Office is located in the Maddox Student Activities Center. Phone number 865-471-3235.

Student Affairs offers a wide variety of programs and services under the supervision of the Vice President for Student Affairs. These services include Judicial Programs, Campus Ministries, Residence Life, Student Activities, Intramural and Recreational Programs, Counseling, Health Services, and Safety and Security. Coordination with Career Services, the Life Directions Center, the Bonner Scholar Community Service program and the Wellness Steeple is provided to ensure quality offerings designed to support a holistic learning environment. Student Affairs oversees and insures the maintenance of records associated with the co-curriculum, student leadership and judicial affairs.

Judicial Services

Carson-Newman College students are expected to be of good moral character and to conduct themselves, at all times, in a manner consistent with the *College Code of Conduct*. Student behavior is governed by policies set forth in the **Eagle Student Handbook** and the **Community Living Guide**. (Students should refer to both publications for more specific information regarding College policies.) When violations of College policies occur, students are afforded the procedural steps as outlined in these handbooks. Infractions may be handled in a variety of ways depending on the severity and frequency of the violations. The office of Judicial Services is located in the Maddox Student Activities Center. The phone number is 865-471-3238.

Campus Ministries

Campus Ministries offers students, faculty and staff opportunities for spiritual growth, fellowship and Christian service. Campus Ministries provides leadership for the Community Life and Worship (CLW) program, crisis ministries, counseling and personal development services, and for Christian student organizations.

The Baptist Collegiate Ministries organization is led by the Campus Ministries staff and student leadership teams (B.A.S.I.C. - Brothers and Sisters in Christ, Communications, Growth, InReach, Missions, OutReach, and Seed Company Band). Growth ministries and organizations include discipleship, Bible studies, fellowship, worship, evangelism training, missions promotion and enlistment, social action, recreation, retreats, conferences, outreach, DiscipleNow teams, and fall/spring/summer missions experiences on the state, national, and international levels.

C-N United, sponsored by Campus Ministries, is composed of representatives of the various Christian organizations on campus with the purpose of encouraging unity and vision for the C-N Christian movement.

Other Christian organizations led by faculty sponsors and student leadership indirectly related to Campus Ministries include Fellowship of Christian Athletes, Supporting Women in Missions and Ministry, YOKE (middle school ministry), and Young Life (high school ministry).

Campus Ministries is located in the Campus Ministries House, 2214 Branner Avenue, adjacent to the Maddox Student Activities Center. Phone number 865-471-3537.

Counseling Services

Confidential counseling by professionally trained staff is designed to provide care and support for students who are experiencing personal or family problems or levels of stress which are disruptive to success in College. The Director of Counseling and the College Counselor are available to assist students in need. Counseling Services is located in the Kathleen Manley facility. To set up an appointment time, please call 865-471-3350 or stop by.

Should a student choose to seek counseling at off campus sources, we respect and encourage this decision. Counselors will assist with referral to other treatment facility when requested. Counseling Services also offers educational seminars and an Alcohol and Drug Awareness and Prevention Program. Specifics about the programs are advertised each semester via e-mail, CLW listing, and posters.

Health Services

Health Services promotes the wellness of students through campus-wide programs, clinics, individual treatment, and education. Limited services are also available to the faculty and staff through the Nurse Director. Health Services is located in the Kathleen Manley Infirmary, and the phone number is 865-471-3350. Hours of operation are those of the administrative offices (8:00 a.m. – 4:30 p.m.), College administrative holidays are observed, and summer school hours may vary. Under the direction of the Nurse Director, treatment for minor illnesses and injuries is provided on a walk-in basis. The Nurse Director can schedule students to be examined through the College's volunteer nurse practitioner program or the College physician on an as-needed basis. (Special clinic times are provided for physician services.) All services except immunizations are provided at no cost. Students are responsible for all expenses incurred for health care outside of the Health Services clinic. St. Mary's Jefferson Memorial Hospital (located on West Highway 11-E), two hospitals in Morristown, and six hospitals in Knoxville are available for after hour care. When a student has a serious illness or injury, appropriate College staff members will seek to notify the parents. Residential students requiring after hours care should contact the RLC or RA on duty.

Residence Life

Residential living is a significant component of the college experience. Building life-long friendships is but one of the many benefits of this unique adventure. The opportunity to live and interact with people from many diverse cultures and walks of life is an educational opportunity that comes once in a lifetime!

Research indicates that living on campus is crucial to the college student's academic success. Studies show that students who reside on campus have a higher grade point average and are more likely to graduate than those who live off campus. Residence halls also provide an excellent opportunity to learn beyond the classroom, as students participate in various programs and activities that complement the academic experience.

The **Guide to Residence Life** outlines services, responsibilities and guidelines for students in an attempt to promote structure and give meaning to the residence life experience. Students are encouraged to be familiar with the content of this publication and be active participants in enhancing community on campus.

Off-Campus Living--Criteria for Approval

All full-time (12 hours and above) students are required to live on campus during their tenure at Carson-Newman College unless they meet one of the stated criteria listed below. Students who are not 21 years old before the last day of class or who have less than 64 earned credit hours may submit an off campus request for review by the Off Campus Request Review Board using one of the stated criteria listed below. All students who live off campus MUST COMPLETE an off campus request form and receive approval from the Residence Life Office. To avoid being billed for housing and meals, requests to live off campus must be submitted at least two weeks prior to final registration. Students who live in off campus housing must adhere to the *College Code of Conduct*. Failure to do so may result in the rescindment of off campus approval.

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- A. Requests which do not require review by the Off Campus Request Review Board but must be submitted to the Residence Life Office:
 - 1. A student is 21 years or older before the last day of class each academic semester.
 - 2. A student is classified as a junior (minimum of 64 earned credit hours).
- B. Requests which require review by the Off Campus Request Review Board:
 - 1. A student is living with his/her parent(s) or legal guardian.
 - 2. A student is married.
 - 3. Extenuating circumstances which are not covered by the aforementioned criteria.

Note: Falsification of an off-campus housing request is in violation of the *College Code of Conduct* (as outlined in the Eagle Student Handbook) and may result in rescindment of off-campus housing privileges, assessment of room and board charges, and/or disciplinary action.

If a student's course load drops below 12 hours, the student is required to obtain permission from the Director of Residence Life to continue to live on campus.

Living Environment

There are six residential areas at Carson-Newman College: Alumni (F), Burnett (F), Butler (M), Heritage (M), Swann (F), and Appalachian Commons (M,F). Each room is furnished with a bed, chest of drawers, desk and chair. Residents must supply their own linens and other personal items. For convenience, a coin operated laundry facility is available in each residence hall.

Each room is equipped with both cable and telephone outlets as well as wireless internet capabilities. Cable service is included in the cost of the room, and local phone service is free of charge. Students must make their own arrangements for long distance service. A computer network is also available in which residents may communicate with various departments on campus from the convenience of their room, as well as have access to the library and the World Wide Web.

Room Reservations and Deposits

All entering freshmen and transfer students are required to pay a \$200 enrollment fee. At the time of payment, students can indicate their housing and roommate preference on the Residence Life application form.

When changing rooms or checking out of the building, residents must complete the proper paperwork or forfeit the breakage fee. Students may cancel their room reservations and receive a refund if notification is received in the Residence Life Office by July 1. Each student residing on campus must pay a \$50 residence fee to support various programs and services in his/her respective building. This fee is paid annually in the fall semester and will be billed to your student account. If the student does not enroll until the spring semester, \$25 will be added to the student's account.

All residential students are required to have a meal plan. Returning students can select their meal plan during room reservation days. First year students are assigned the unlimited meal plan.

Roommate Requests

Roommate requests must be mutual (requested by both students on the housing application). Roommate requests will be honored based upon available space, date of application submission, and deposit date, as recorded by the Office of Admissions. Roommate requests must be received by June 1 to be considered.

Safety and Security

The Department of Safety and Security maintains a staff of state certified noncommissioned officers on the campus 24 hours a day, both on patrol and in or around the residence halls. Officers are also posted inside the residence halls from 11:00 p.m. until 7:00 a.m. each day. All officers are easily recognized by their uniforms and name tags. Students may ask for security escorts at any time, and any criminal offense occurring on the campus will be investigated by the local police. All emergencies occurring on the campus will be handled by the city police, fire department, EMS or other appropriate emergency responder organization depending on the nature of the emergency. The department complies with both federal and state laws in submitting required data related to crimes occurring on its campus, and a daily crime log is maintained for public review in the department's office. The department offers a myriad of safety and educational programs, to include the internationally known Rape Aggression Defense (RAD) program for women.

The Department of Safety and Security is located at 2209 Branner Avenue in a brick home immediately at the rear of the Stokely Building which houses the college cafeteria and the Department of Education. Officers may be contacted for assistance by dialing (865) 548-9067; or during normal business hours, Monday-Friday from 8:00 a.m. until 4:00 p.m., by dialing (865) 471-3559. In the case of a life-threatening emergency, callers may dial 911 and tell the E-911 operator their name, the nature of the call, and the exact location of the incident.

Vehicle Registration

All personal vehicles belonging to students, faculty or staff members must be registered with the Department of Safety and Security within three (3) days after they are brought on campus. Students must purchase parking hangtags at the office during normal business hours. Hangtags cost \$35 each and are valid from August 15th through August 14th of each school year. There is a \$15 charge for replacement of lost hangtags. There is no refund for a hangtag when a student graduates or withdraws before the expiration date of the hangtag.

All vehicles are required to have valid insurance coverage in order to be brought on campus. To register a vehicle, the student or employee must provide the make and model of the vehicle and the state license plate number. No vehicle may be registered that does not belong to the owner or the owner's parent or legal guardian. The campus parking regulations may be found in the **2011-12 Eagle Student Handbook**. Drivers on campus should make themselves aware of the campus parking regulations to avoid parking citations.

Student Activities

There is a wide range of activities available to students at Carson-Newman College. Students may choose from over 50 campus clubs, groups, and organizations including service, faith-based, social, professional, and departmental groups.

Students look forward to many traditional campus-wide events such as Welcome Week, Homecoming, Live @ CN Concerts, Movies on the Lawn, and Spring Formal.

Organizations such as the Eagle Production Company (EPC), Student Government Association (SGA), Baptist Collegiate Ministries (BCM), and Student Ambassadors Association (SAA), along with many other additional campus groups, regularly schedule special events throughout the year. Among these events are concerts, movies, dinner theaters, specialty acts, variety shows, and many others. There are also activities and programs coordinated through the Office of Student Activities, the Boyer Laboratory for Learning, and residence halls..

Advised by the Director of Student Activities, both EPC and SGA provide exciting opportunities for positions in student leadership, campus events planning, direct impact on the campus environment and the student experience, and the personal growth and development of the student. The Office of Student Activities is located in the Maddox Student Activities Center, Room 1016. Phone number 865-471-3392.

Student Center and Recreational Services

The Maddox Student Activities Center opens up a world of opportunities for students. The student lounge, snack bar, and meeting rooms offer an inviting atmosphere for social interaction. The activity areas provide students with a running track, weight room, racquetball courts, three full-sized gymnasiums, and a game room. A swimming pool complemented by student lockers, showers, and dressing rooms tops off a wide array of facilities.

Carson-Newman College has an excellent intramural program which annually provides over 40 events for students. Hundreds of students participate in the popular team sports of flag football, softball, volleyball, and basketball. Other choices include aerobics, pool, ping-pong, tennis, golf, rook, spades, badminton, and racquetball. Some more diverse events are hikes in the Smokies, connect four, Frisbee golf, and "Family Feud".

Intramurals offer several employment and leadership opportunities for students. Student directors, field supervisors, officials, and a field crew are all a part of the intramural staff.

The Recreational Services Office is located in the Maddox Student Activities Center, Room 1014. Phone number 865-471-3440 or 471-3345.

Information Technology

Use of the computing facilities is a privilege available to faculty, staff, and students of Carson-Newman College, subject to compliance with certain principles designed to assure that all users have reasonable access to the system and that the action of any one user will not adversely affect any aspect of the work of computer usage of another. In accepting this privilege, users are expected to abide by the rules of conduct. Compliance with the rules will be monitored.

For the complete Information Technology policy, please consult the student handbook or EagleNet.

LIBERAL ARTS CORE REQUIREMENTS

Liberal Arts Core Mission Statement

In order to help students reach their full potential as educated citizens and worldwide servant leaders, the Carson-Newman College Liberal Arts Core provides an introduction to a broad base of knowledge, Christian values, and skills that are essential for personal, intellectual, and professional growth. Underlying the core courses are foundational goals that are common to liberal arts courses:

1. Oral and written communication,
2. Global and cultural awareness,
3. Critical thinking and analytic skills, and
4. Information literacy.

Expected Outcomes

The Liberal Arts Core at Carson-Newman provides an introduction to the Liberal Arts and studies in Biblical traditions, communications, mathematics and science, personal and social awareness, and global perspectives. Through these core components, the following outcomes are expected of our students: knowledge of the history of Christian Liberal Arts; knowledge of the scholarly study of the Judeo-Christian scriptures and their content; effective communication skills in both written and spoken English; scientific literacy and quantitative reasoning skills critical for making informed decisions; the ability to think critically and to apply appropriate research techniques to the study of human behavior, social systems, and cultures of the world; a broad knowledge of human actions, imagination, and expression; and the ability to access, evaluate, and wisely use information and its sources.

Introduction to the Liberal Arts, 2-3 hours

LA 101, An Introduction to the Liberal Arts, *2 hours*

HUM 101, Humanity and the Cosmos I, *3 hours - Honors Students Only*

Studies in Biblical Traditions, 6 hours

REL 101, Introduction to the Old Testament, *3 hours*

REL 102, Introduction to the New Testament, *3 hours*

Studies in Communications, 6 hours

ENG 101, Writing and Literary Studies I, *3 hours*

Three hours from the following:

COMM 135, Speech Fundamentals, *3 hours*

COMM 230, Interpersonal Communications, *3 hours*

Studies in Mathematics and Science, 9 hours

Any MATH 100 level course, 201 or 207, *3 hours*

Six hours from the following:

BIOL 101, Human Biology, *3 hours*

BIOL 102, Environmental Science, *3 hours*

BIOL 105, General Biology I, *4 hours*

BIOL 106, General Biology II, *4 hours*

BIOL 207, Human Anatomy and Physiology I, *4 hours*

BIOL 208, Human Anatomy and Physiology II, *4 hours*

BIOL 304, Field Botany, *3 hours*

BIOL 380, Zoology for Non-Science Majors, *3 hours*

CHEM 100, Chemistry in Controversy, *3 hours*

CHEM 101, Introductory Chemistry, *4 hours*

CHEM 103, General Chemistry I, *4 hours*

CHEM 104, General Chemistry II, *4 hours*

GEOL 101, Introduction to Physical Geology I, *3 hours*

PHYS 100, Physics in Everyday Life, *3 hours*

PHYS 101, Physics of Musical Sound, *3 hours*

PHYS 102, Basic Physics and Astronomy, *3 hours*

PHYS 103, General Physics I, *4 hours*
 PHYS 104, General Physics II, *4 hours*
 PHYS 110, Elementary Astronomy, *3 hours*
 PHYS 201, Principles of Physics I, *4 hours*
 PHYS 202, Principles of Physics II, *4 hours*

Studies in Personal/Social Awareness, 6 hours

Three hours from the following:

ECON 204, Economic Concepts, *3 hours*
 ECON 210, Principles of Microeconomics, *3 hours*
 HIST 201, United States History I, *3 hours*
 HIST 202, United States History II, *3 hours*
 PHIL 101, Practical Reasoning, *3 hours*
 PHIL 301, Christian Ethics, *3 hours*
 PSC 101, Introduction to Civil Rights and Liberties, *3 hours*
 PSC 102, American Government and Politics, *3 hours*
 PSC 202, Faith, Freedom and the Individual, *3 hours - Honors Students Only*

Three hours from the following:

CFS 206, Human Development through the Lifespan, *4 hours*
 PSY 101, Introduction to Behavioral Science, *3 hours*
 PSY 102, Understanding Human Behavior, *3 hours*
 PSY 204, Psychology of Childhood and Adolescence, *3 hours*
 PSY 206, Human Development Through the Lifespan, *4 hours*
 PSY/SOC 250, Society and the Individual, *3 hours - Honors Students Only*
 PSY 318, Ecological Psychology, *3 hours - Honors Students Only*
 SOC 101, Introduction to Sociology, *3 hours*
 SOC 105, Social Problems, *3 hours*

Studies to Enhance a World Perspective, 18 hours for BA, 12 hours for BM, BS, and BSN

ENG 201, Writing and Literary Studies II, *3 hours*
 HUM 102, Humanity and the Cosmos II, *3 hours - Honors Students Only*
 ENG 301, Writing and Literary Studies III, *3 hours*

Three hours from the following:

HIST 133, World History I, *3 hours*
 HIST 134, World History II, *3 hours*
 HIST 135, Early Civilizations, *3 hours*

Three hours from the following:

ART 210, Art Appreciation, *3 hours*
 ENG 310, Introduction to the Art of Film, *3 hours*
 FA 301, Form and Expression in the Contemporary Arts, *3 hours - Honors Students Only*
 Music Ensembles, *3 hours*
 MUS 133, Appreciation of Music, *3 hours*
 TH 110, Introduction to the Theatre, *3 hours*

Foreign Language: BA degrees require 6 hours of foreign language at the 100 or 200 level as determined by the degree department. BS, BM, or BSN degrees may also require foreign language. Please see student's major for specific requirements.*

Senior Capstone Course or Seminar, minimum of 1 hour credit (preferably taken in the last year of residency)

* Students who have studied a foreign language in high school must take a placement test in order to continue study in that language at Carson-Newman College. Since 101 is remedial for those students who have studied that language before, 101 credit can never be purchased and cannot be used toward the 6 hours of foreign language requirement. So, for students who test into 102, they must take 102 and 201 to fulfill the 6 hour minimum (unless their degree requires that the 6 hours be at the 200 level, then they must take 102, 201, and 202). If a student tests out of the 100 level classes (i.e. tests into 201, they must take 201 but may purchase credit for 102 (this will fulfill the requirement for those departments that require 6 hours at the 100 level). If a student tests into 202, they may purchase credit for 201 but must take 202 to fulfill the requirement. If a student tests completely out of the 100 and 200 level, they may purchase credit for 201 and 202 and thus fulfill their requirement.

The Academic Program

Academic Policies, Procedures, and Regulations

Student Responsibility in Meeting Degree Requirements

Responsibility for knowing and following academic requirements, including both the academic and common degree requirements for graduation, rests with the student. Academic requirements are specified for each undergraduate degree program at Carson-Newman College and these, as well as the common degree requirements, must be met before a degree is granted. Advisors, assigned to assist students in their progress toward degree completion, program directors and appropriate administrators will provide specific information concerning these requirements, but **the student alone is responsible for fulfilling them.**

The administration and faculty of Carson-Newman College believe that the educational and other programs of the College described in this catalog are effective and valuable. However, the ultimate results of programs offered in terms of achievement, employment, professional licensing, or other measure are dependent on factors outside the programs, such as the personality and energy of the student, governmental or institutional regulations, and market conditions. Therefore, except as specifically stated herein, Carson-Newman College makes no representation or contract that following a particular course or curriculum will result in specific achievement, employment or qualification for employment, admission to graduate degree programs, or licensing for particular professions or occupations.

Common Requirements for All Baccalaureate Degrees

1. **Catalog prevailing**--Graduation requirements may be met under any Carson-Newman catalog published during student's enrollment at any post-secondary institution provided the catalog selected was published no more than 5 years prior to completion of requirements. The College reserves the right to change the requirements and/or the programs of study and to require students to meet them.
2. **Semester hours**--128 degree credit hours. Hours earned through Academic Skills Enhancement or the English Language institute do *not* apply toward graduation.
3. **Grade point average (Cumulative GPA)**--Minimum C average (2.00 GPA) on all college work attempted. Minimum C average (2.00 GPA) on all work attempted at Carson-Newman College.
4. **Grade point average in major, minor, certificate program**--Overall C average minimum (2.00 GPA) in the major, minor, and certificate program. Some departments may require a higher GPA than the college-wide minimum.
5. **Junior/Senior credits**--Minimum *36 semester hours* of courses numbered 300 or higher and taken at a 4-year college. Sometimes a transfer course is 100- or 200-level at the college where it was taken may be equated to a specific upper-division Carson-Newman course; such courses do not count toward this requirement.
6. **Senior (four year) college credits**--Minimum 60 semester hours (applicable to transfer students from two year institutions).
7. **Community Life and Worship**--minimum attendance of 10 CLWs for each semester of enrollment at Carson-Newman College (see CLW attendance policy).
8. **Residency requirements**--Minimum 32 semester hours or 25 percent of the semester hours required for graduation, whichever is higher for baccalaureate degrees at Carson-Newman College. Senior year in residence is required (32 hours) excluding students in binary programs. Waiver of last hours in residence may be approved not to exceed 12 hours upon establishment of valid reasons provided a minimum 32 hours are completed at Carson-Newman College.
9. **Correspondence and credit by examination**--32 hours maximum.
10. **Majors, minors, certificate programs**--A student may complete more than one major within a degree. A second major, however, is not limited to the initial degree a student is working toward and may be completed within 128 hours. A student who is working toward a BA in English, for example, may add a second major in business by completing the requirements for that major, and vice-versa. Since each major prescribes its own foreign language requirements, the foreign language requirement for the second major must be met if it is greater than that for the first major. Students may also elect to add one or more minors or a certificate program to complement their major(s) and achieve career goals. A minor or a certificate program is not required for graduation, however. See **Majors, Minors, Certificate Programs** in this catalog.
NOTE: A maximum of 48 hours toward the major discipline (excluding art and music) is allowed for a BA degree.
11. **Carson-Newman College credits in a major**--Minimum 12 hours must be completed in a major at Carson-Newman College.
12. **Carson-Newman College credits in minor** -- Minimum 6 hours must be completed in minor at Carson-Newman College.
13. **Requirements for two degrees**--Complete requirements for two of the following degrees (BA, BM, BS, or BSN) and a minimum 27 semester hours beyond 128. The additional 27 hours must be taken in residence at Carson-Newman College. Courses counted toward a major for one degree cannot be counted toward a major for a second degree. Completion of two majors under one degree does not constitute two degrees.
14. **Degree plan**--Degree plan for graduation, approved by advisor and the department chair, must be submitted to the Registrar **prior to the completion of the semester in which the student will complete at least 96 semester hours.**
15. **Approval of graduates**--Graduates must be approved by the faculty and Board of Trustees.
16. **Commencement**--Ceremonies are held in December and May. Students completing degree requirements in the summer session may participate in the May or the December ceremony. Students must be present to receive degrees, unless sufficient reason is given and absence is approved through the Office of the Provost. Students in binary programs have degrees conferred at the next commencement after completion of a year of professional work at the cooperating institution.

In keeping with its commitment to liberal arts, Carson-Newman College requires of every student some encounter with the humanities, with their emphasis on human values; the social sciences, with their perspectives in human relationships; the natural sciences and mathematics, which

offer a logical understanding of life; the fine arts, which prepare for the appreciation of beauty; and the applied arts and sciences, which offer practical solutions for human problems.

A core curriculum, designated **the liberal arts core requirement**, forms the basis of this encounter (see Liberal Arts Core Requirements section). This core is a major component of all baccalaureate degree requirements. Liberal Arts Core courses provide an introduction to, or a survey of, a broad area of knowledge and skills which are essential for a well-educated person. It is the aim of the College to equip students to avoid the trap of professionalism without wisdom, to maintain a sense of curiosity throughout life, and to continue their own search for truth.

The Academic Calendar

The academic year at Carson-Newman College is composed of a fall and a spring semester and several accelerated terms offered during the summer.

Fall and spring semesters include 15 weeks of instruction and one week of exams, or two accelerated seven week modules, and a minimum of 24 credit hours for full-time enrollment. Fall semester begins in August and ends in December. Spring semester begins in January and ends in May. The summer session includes several accelerated terms which commence after the conclusion of the spring semester and end before the beginning of the new academic year. Please consult the academic calendar found on page four of the catalog for term dates.

To be eligible for consideration of receipt of Title IV funds, an academic year is defined as completion of 24 semester credit hours during an academic calendar year.

Classification

	Semester hours credit
freshman	fewer than 32
sophomore	32
junior	64
senior	96

Status

Full-time - enrollment in at least 12 semester hours

Part-time - enrollment in fewer than 12 semester hours

Course Load

The normal full-time course load for a semester is 16 hours. Additional tuition is charged for hours in excess of 17. Students may not enroll for more than 20 semester hours (without permission from the Registrar) during a regular semester.

One course, 3-4 hours, is the maximum for Mayterm or for a three-week summer school term. Students may not exceed 14 hours during the entire summer including Mayterm (without permission from the Registrar) and those enrolling in a three-week and the six-week summer term may not exceed 10 hours.

Course numbering system

Courses numbered 100-200 are primarily for freshmen and sophomores; courses numbered 300-400 are primarily for juniors and seniors. Courses numbered 500-600 are graduate courses.

Unlisted Courses

Sometimes a course is offered which is not listed in this catalog. The department offering the course gives it a title which is used in the official schedule of classes and on the student's record. Course descriptions are kept on file in the Registrar's Office.

270-279: Class or Seminar, 1-3 hours -- Open to freshmen, sophomores, juniors and seniors.

470-479: Class or Seminar, 1-3 hours -- Open only to juniors and seniors.

Independent Study

290-390: Independent readings or independent research and study, 1-4 hours
Open to sophomores, juniors and seniors.

Student Teaching Assistantship, 1-3 hours

300 and 400 courses assigned by department to student assistants, tutors.

Mayterm

280-289: Mayterm courses, 1-4 hours

380-389: Mayterm courses, 1-4 hours

Departmental Honors

Honors for excellence in departmental research or creative projects are awarded at commencement to students with a minimum B average who have been approved for graduation honors by their major department and by the Honors Council.

Dean's List

Students are recognized by the College community for academic excellence. Each semester a **dean's list** names students enrolled full-time with a grade point average (GPA) of 3.50 or better.

Graduation Honors

Distinctions for excellence in college work are awarded at graduation to students who have compiled the following grade averages:

Summa Cum Laude	3.95 - 4.00
Magna Cum Laude	3.75 - 3.94
Cum Laude	3.50 - 3.74

Students must have both a cumulative (which includes transfer credit) and institutional grade point average that meet the above criteria.

Grading System

The basic unit of credit at Carson-Newman College is the semester hour. Most courses carry 3 semester hours of credit (though some carry as few as 1 and some as many as 12). One semester hour normally represents 1 hour of lecture or recitation or 2 hours of laboratory work per week.

At the end of each semester and at the end of all summer sessions, grades are available to the student through his/her Campus Connect account. Grades will be mailed by request only. Forms to request grades to be mailed are available in the Registrar's Office.

Passing grades are assigned grade points for each semester hour of credit (A=4, B=3, C=2, D=1). A student's grade point average (GPA) is calculated by dividing the number of grade points the student has accumulated by the number of semester hours attempted in graded (A,B,C,D,F) courses. (The attempted semester hours in which a student earns an S or P are not used in this calculation.) The grade report will have two GPAs listed. One is the semester average. The other is a cumulative GPA. Grades of AU, IP, N, NG, P, S, VW, W, and WP are not included in the GPA computation. An F or a WF received in any course will figure into the GPA computation.

Grade Points (based on a 4.00 scale)

<u>Grade</u>	<u>Performance Level</u>	<u>Grade points per semester hour of credit</u>
A	Superior	4
B	Good	3
C	Average	2
D	Passing	1
F	Failing	0
VF	Administratively withdrawn failing	0
WF	Withdrew failing	0
WP	Withdrew passing	0

As an example, the GPA would be figured as follows for a student receiving:

ENG 101	A	(12 grade points)	3 hours
BIOL 101	C	(6 grade points)	3 hours
REL 101	F	(0 grade points)	3 hours
PSY 202	S	(0 grade points)	3 hours

Grade points (18) divided by graded hours attempted (9) = 2.0 GPA

Temporary Grades

I Incomplete The student has failed to complete the course in the allowed time due to illness or some justifiable delay. The "I" will carry no grade points and will count as failure (F) in the computation of the grade point average until removed. A grade of F will be assigned if the Incomplete is not removed by the deadline determined by the instructor which can be no later than the end of the next semester regardless of whether the student is enrolled at Carson-Newman College. The deadline for removing an incomplete grade earned during any summer term is no later than the end of the following fall semester.

Grades that do not influence grade point average (GPA)

AU	Audit (enrolled with instructor's approval for observation only-one half tuition rate per credit hour with no credit earned)
N	No pass (for courses taken on pass/no pass basis)
NG	No grade submitted or no credit earned
P	Pass (for courses taken on pass/no pass basis)
S	Satisfactory work (for courses noted on class schedule as using S/F grading)
VW	Administratively withdrawn before last date to drop with a W
W	Withdrew (has no effect on GPA)
WP	Withdrew passing

The **pass/no pass** grade is available as an option to encourage students to experiment and diversify their coursework selection and to broaden their interest in fields outside their major. This option allows for the earning of credit hours with a pass grade which does not affect the GPA. The choice of pass/no pass by the student is subject to these restrictions:

1. Students can take only one course a semester pass/no pass and only 8 courses pass/no pass in a college career.
2. Students cannot take pass/no pass in a major, minor, liberal arts requirement, or independent honors thesis courses.
3. An instructor reserves the right to close a course to pass/no pass grading.
4. Pass/no pass and/or audit **must** be indicated during registration or prior to the deadline for withdrawing from a class with a “W” (the end of the tenth week of class). Cards are available during advising to exercise the pass/no pass or audit option and are necessary for making the decision a matter of record with the Registrar’s Office.
5. After the deadline for adding courses, the grading for a pass/no pass or an audit course cannot be converted to a regular grading basis.

Repeating a course for a grade

Students may repeat any course. The grade from the most recent attempt, with no additional hours attempted, will be used in calculating grade averages. Stated differently, the LAST grade earned will be the grade of record and will be used to determine if College requirements have been satisfied. The following provisions apply:

1. If the course was taken at Carson-Newman College, it must be repeated at Carson-Newman College for the grade replacement to be permitted.
2. If the course was taken at another college, it may be repeated at any accredited institution, including Carson-Newman College.
3. After the second repeat, the grade replacement provision is no longer applicable, and each attempt will figure into the grade point average.
4. All grades will be entered on the student’s permanent record.

Grade Appeal

If a student disagrees with a grade received, he or she may request a review of the coursework upon which the grade was assigned. If an appeal is made, it must be in writing within one calendar year of the date the grade was assigned and begins with a conference with the instructor of the course. If not resolved in this conference, the appeal moves to the department chair and then to the Associate Provost. If the grade appeal has not been resolved at these levels, it moves to the provost for **final** review. The provost may refer a grade appeal to the Academic Standards Committee for their study and recommendation.

Final Examinations

The official final exam schedule is made available to students prior to the end of the semester. Students who have three exams scheduled on one day may request changing one of their exams to another day during the exam period. For more information contact the Office of the Registrar.

Academic Dishonesty

Academic dishonesty may include, but is not limited to, the following: giving or receiving aid on tests; plagiarizing papers, assignments, book reviews; removing and/or copying test questions from office files. The course instructor/professor will address any incidents of suspected dishonesty. After hearing the student and considering all the evidence, this person will levy sanctions if guilt is determined. The instructor/professor will report these actions to the Provost, who shall levy any sanction more severe than the loss of course credit.

Academic dishonesty may result in sanctions including, but not limited to, an immediate F and loss of credit for the course. Additionally, the effect of these sanctions on the student’s GPA may impact financial awards. Gross dishonesty or a recurrence of academic dishonesty may result in expulsion from the College. Any student who receives an F in a course due to academic dishonesty will not be allowed to drop the course even if the F is assigned prior to the last date to drop a course with a W.

The student may appeal a finding of academic dishonesty and the resulting sanction first to the department chair; further recourse is to the Provost. For updates and questions related to this area, please contact the Provost’s Office.

Attendance Requirements

Class attendance/absences

Attendance at all class meetings is expected, and students are responsible for all the work of all class meetings. If students miss class for any reason, they are obligated to obtain assignments for work missed. Students will not be penalized and can make up class work they miss if a documented illness, the death of immediate family member, or participation in a college-sponsored activity caused the absence. Otherwise, the instructor has no obligation to allow students to make up their work.

Student “attendance” in online courses will be defined as active participation in the course as described in the individual course syllabus. The instructor may require you to log on as much as five times a week.

Academic activity will be monitored for all students. Each individual faculty member will establish the consequences for absences and publish these in the course syllabus.

Any student who does not attend class during the first week the class meets will be administratively dropped from the class for non-attendance. Enrollment status (full-time/part-time, etc.), billing, and financial aid eligibility may be affected by this withdrawal. Refer to the Refund Section of the catalog for more detailed information.

Students who fail all courses due to non-attendance or lack of academic activity will be administratively withdrawn from the college for the semester. The last date of academic activity will be used to determine the date of the administrative withdrawal from the college. Financial Assistance recalculations will be processed for students who are administratively withdrawn from the college within 45 days of the date of determination. If a student is administratively withdrawn from the college, financial assistance eligibility may be affected.

Community Life and Worship Attendance

The Community Life and Worship Program provides student-focused events which integrate faith, learning and community for students, faculty and staff. The events will consist of chapel on Tuesday mornings (Community Worship) and other specified co-curricular programming (Community Life) open to the entire campus community.

30 Academic Policies

All full-time undergraduate students are required to attend at least ten (10) Community Life and Worship (CLW) events per semester for a total of seven (7) semesters. A student may bank CLW credits by attending more than 10 events in a semester. Attendance at CLW will be monitored through the Campus Ministries Office. To receive CLW credit for an event a student is required to bring her/his valid C-N ID card to each event attended. IDs will be scanned at the conclusion of the event. A student must remain for the duration of the event, which will vary according to the event.

Attendance at CLW will be monitored through the Campus Ministries Office. To receive CLW credit for an event a student is required to bring his/her valid C-N ID card to each event attended. IDs will be scanned at the conclusion of the event. A student must remain for the duration of the event, which will vary according to the event.

The student's attendance record for an event will be available for review on C-N Connect within 24 hours. The student is responsible for checking his/her attendance and reporting in person with C-N ID any discrepancy to the Campus Ministries Office within seven (7) days of the event. After seven days, credit will not be earned.

A printable CLW schedule of events is located on the C-N website (www.cn.edu—click on Administration, Student Affairs, Campus Ministries, Community Life and Worship, CLW Schedule) and the EagleNet Announcement Board. A monthly calendar is also available online at the college site (click on Events, CLW, Calendar tab and individual listings of CLW events for more details). Students should check regularly for updates to the schedule, which is subject to change periodically.

If a student fails to attend 10 CLWs each semester, the student is placed on CLW *warning* at the end of the semester of the deficiency. To be removed from CLW *warning*, a student must make up the shortage of CLWs plus the current semester's requirement. For example, if 7 CLWs were attended in the first semester, 3 plus 10, or 13 would have to be attended during the next semester enrolled to be removed from CLW *warning*.

If, during the next semester of enrollment, the student fails to attend 10 CLWs plus the shortage of CLWs from the first semester, the student is placed on CLW *probation*. If the probationary student fails to attend a total of 30 CLWs (a minimum of 10 per semester) by the end of the third semester of deficient CLW attendance, the student may be *suspended* from the college.

If the student has attended 10 CLWs for each semester of full-time enrollment, CLW attendance *will not* be required during the student's semester of graduation as indicated on an approved degree plan.

A transfer student is required to attend every semester while enrolled as a full-time student, except during the student's semester of graduation. A student who has completed 128 credit hours is not required to attend CLW. A student who has previously received a baccalaureate or graduate degree or a non-traditional student (twenty-five years of age by the last day of the semester) is waived from the CLW requirement.

Under special circumstances, or in extreme cases, a student may apply for a CLW Waiver. CLW Waivers may be provided to students who cannot attend CLW events and who complete the appropriate request form. CLW waivers will normally be given to students who have conflicts resulting from curricular demands such as student teaching and nursing clinicals. Student work schedules will be considered, but do not guarantee a waiver of the CLW requirement.

Students with extenuating circumstances must apply for a CLW Waiver each semester. The Waiver Request Form is located at the C-N website (click on Administration, Student Affairs, Campus Ministries, Community Life and Worship, Waiver Request Form) or at the Campus Ministries Office (2214 Branner Avenue adjacent to Holt Field House). The application must be completed and returned to the Campus Ministries Office by the last day to drop classes at the beginning of the semester. The Director of Campus Ministries will render a decision regarding the waiver request and notify the student.

Academic Standing (Undergraduate Students only)

To maintain acceptable scholastic standing and to graduate from Carson-Newman College, a student must have a minimum cumulative GPA of 2.00, a minimum institutional GPA of 2.00 (coursework attempted at Carson-Newman), and a minimum GPA of 2.00 in all coursework attempted in the major and/or minor (unless specific department requirements vary).

Academic Probation

A student is placed on Academic Probation when the institutional or cumulative GPA is below the minimum level determined by the total number of credit hours attempted, as indicated by the following table:

Hours Attempted	Minimum CNC and Cumulative GPA required
12-31	1.70
32-63	1.80
64-95	1.90
96 or above	2.00

Any student whose institutional GPA or cumulative GPA falls below the minimum required by the above table will be placed on Academic probation, and the notation of the probation will be made on the student's academic transcript. A student on Academic Probation will not be permitted to take more than 14 hours; in addition, any student on Academic Probation who has not taken ID 121 (the Academic Success Seminar) will be required to take it during his/her first semester on Academic Probation and to follow any other instructions of the Academic Standards Committee.

A student who has attained the minimum institutional GPA and the minimum cumulative GPA (as indicated by the table above) by the end of the first semester on probation will be removed from probation. Once a student is placed on probation, the student will be allowed to continue on probation if academic progress is demonstrated by achieving a semester GPA of 2.0 or higher or a cumulative GPA equal to or greater than that required by the total number of hours attempted for satisfactory academic progress (see table). During the probationary period, the student must achieve a semester GPA of 2.0 or higher or a cumulative GPA equal to or greater than that required for minimum standards for satisfactory academic progress to avoid suspension.

Prior to registration for each semester in which a student is on Academic Probation, the student must first meet with a Life Directions Center staff member to work out an appropriate plan for achieving the required level of academic success. After meeting with a LDC staff member, the

student must meet with his/her advisor to complete the plan and make any class changes. This plan must be approved and verified in writing by the advisor and the department chair. After submitting the approved plan to the Registrar, the student will be permitted to register. Some students are admitted on Academic Probation and must meet requirements as stated in their letters of acceptance.

Academic Suspension

A student is placed on Academic Suspension when

- * the student failed to meet requirements for continued probation, or
- * the student failed to pass 6 hours during their first term of all-time enrollment as a freshman, or
- * the student failed to pass 12 hours during the freshman year.

The first time a student is placed on Academic Suspension, that student will be suspended from the College for one semester. The second time a student is placed on Academic Suspension, that student will be suspended from the College for a full calendar year. The notation of the suspension will be made on the student's academic transcript. A student who is suspended a third time is subject to dismissal from the College (see below).

A student who has failed to attain the minimum institutional GPA and the minimum cumulative GPA (as indicated by the table above) after the probationary period will be suspended. The notation of the suspension will be made on the student's academic transcript.

Re-admission to the College after Academic Suspension is not guaranteed, but will require an appeal form to the Provost and review by the Provost and/or the Academic Standards Committee. The committee may require the student to submit evidence of maturity and motivation in order to be readmitted. Any student readmitted after Academic Suspension will be placed automatically on Academic Probation.

Students under Academic or Disciplinary Suspension from Carson-Newman College will not receive credit for work completed at other institutions during the period of suspension.

Academic Dismissal

A student who is Academically Dismissed from the College will not be eligible for continued enrollment at Carson-Newman College. The student has been given opportunity to improve his/her academic performance and has been unsuccessful.

Students will be subject to Academic Dismissal and a notation of the dismissal will be made on the student's transcript if:

- * the student receives a third academic suspension, or
- * the student failed to meet specific academic requirements as indicated in his/her letter of acceptance.

Appeal Provision

Students have the right to appeal any action placing them on Academic Suspension or Dismissal. The appeal must be accompanied by documentation from a physician, in the event of illness or injury; a parent/guardian, in the event of death-in-family or other family emergency; or someone else familiar with the student's circumstances to support the request for a decision to be overturned. The Provost will render a decision in consultation with the Academic Standards Committee.

Registration and Change of Course (drop/add)

Each semester, during a period of time designated in the College calendar, students may register for the courses to be taken the following semester. During spring, students may register for Mayterm and summer terms. This registration is done in consultation with the faculty advisor during the registration period. After registration is complete, any changes in the projected schedule must be processed in the advisor's office or submitted to the Registrar's Office at designated times or during registration confirmation on a drop/add form which must be signed by the faculty advisor.

It is important that all students register. Failure to register results in delays at registration confirmation and may mean needed classes are not available. Registration confirmation is required for all students prior to attending class, unless prior arrangements have been approved by the Registrar. Registration confirmation is scheduled immediately prior to the beginning of classes during the fall and spring semesters and on the first day of each of the other terms. All tuition and fees are to be paid before a student begins classes unless other arrangements have been made with the Treasurer's Office. Failure to make arrangements for payment of tuition and fees will result in the deletion of the student's registration.

The student may add a new class during the first week of classes, or drop an existing class without a grade during the first week of classes, by completing a change of course (drop/add) form. Registration must be completed by the end of the first week of classes.

Financial aid assistance is based on a student's enrollment status. The Financial Aid Office may adjust the financial aid award if the student's enrollment status changes.

A grade of "W" will be assigned when the student drops a course between the end of the first week and the end of the tenth week of the semester. The "W" will not be reflected in the student's GPA, but the class and grade will show on the student's permanent record (transcript).

Any student who receives an F in a course due to academic dishonesty will not be allowed to drop the course even if the F is assigned prior to the last date to drop a course with a W.

After the tenth week of the semester, the student will be automatically assigned a "WF" for any drop. The "WF" will be reflected in the GPA, and the class will also show on the student's permanent record.

Changes in registration after the first week of classes in a semester carry a \$10 fee for each class change made.

For a **tuition refund** see section on costs.

Graduate Courses Taken by Undergraduates

Approved undergraduate students may take a maximum of 9 graduate hours, with no more than 6 graduate hours during any one semester. A maximum of 17 hours per semester (graduate and undergraduate combined) is allowed. Graduate hours will be accepted for graduate credit if the student decides to enter a Carson-Newman graduate program. No undergraduate credit can be earned from the graduate course(s), and the course(s) cannot be used to meet undergraduate graduation requirements and therefore will not count toward enrollment status for federal aid eligibility.

Prior to application, the student must have 105 earned semester hours of undergraduate credit, an approved degree plan indicating graduation within two semesters and a minimum GPA to meet graduate school admission requirements. See the Graduate Department for application and further details.

Authorization to Take Courses at Another Institution

Students who are currently enrolled at Carson-Newman College, and wish to take course work at another institution (including correspondence/extension work), must obtain the approval of his or her advisor, the chair of the department, and the Registrar for the corresponding Carson-Newman course by completing the "Authorization to Take Courses at Another Institution" form.

The Registrar will indicate on the course authorization form whether the student is in good standing at Carson-Newman College and has permission to take the approved course(s). Students who wish to apply for financial assistance for coursework at another college should consult the Office of Financial Assistance.

Leave of Absence

Students who must be absent from the College for the purpose of intellectual or personal development may request an institutional leave of absence for a maximum of two semesters. The application to Request a Leave of Absence must be completed and approved by the student's advisor and the College Registrar. If approved, the student will be guaranteed re-admission at the end of the specified time, providing the terms of the request have been satisfactorily fulfilled. Students who are on an institutional leave of absence will not meet the guidelines for federal approved pursuant to 34CFR668.22(d) and will be subject to begin repayment under the terms of any federal loan that has been borrowed. In addition, a student on an institutional leave of absence will not be considered continuously enrolled for the Tennessee Hope Scholarship (TELS).

Recipients of Title IV funds who are enrolled but must withdraw from the College for medical or family emergency may request a leave of absence (LOA) through the Registrar. If the leave of absence is approved, the student will be considered enrolled for the purposes of federal loan deferments. The LOA is seen as temporary interruption in the educational program. As such the student must return within the specified time period and resume enrollment in the same coursework that was interrupted. Tuition cost will not be the responsibility of the student to re-enroll in the same coursework. As such, the student will not qualify for additional disbursements of federal aid. This type of leave of absence may not exceed a total of 180 days in any 12 month period. If the student does not return from a LOA, then the college is required to process withdrawal retroactively to the date the LOA began. This may result in loan payments being due at an earlier date. Please refer to the refunds section for withdrawal information.

Withdrawal from College

Any student voluntarily leaving the college before the close of the term must withdraw officially. It is imperative to complete this process in order not to jeopardize future financial aid. The student initiates the withdrawal procedure with the Registrar. Financial assistance will be recalculated based on the date of withdrawal if the withdrawal occurs prior to the tenth week of class. The process is completed in the Treasurer's Office, where tuition refunds are given as outlined under **Refunds** in the **Costs 2012-2013** section of this catalog.

A student who withdraws before the last date to drop with a W will be assigned W grades. A student who completely withdraws from the college after the last date to drop with a W will be assigned a grade of WP for courses the student is passing or WF for courses the student is failing. A grade of WP or WF will be determined by faculty evaluation of the student's performance up to the day the student is considered withdrawn from the college. The official withdrawal date is based on the last date of class attendance or participation and is reported by faculty instructors and recorded by the Registrar.

A student who discontinues class attendance in all courses before the end of the semester will be administratively withdrawn from the College. The last date of class attendance will be used as the withdrawal date. The student is subject to the return of financial aid and is responsible for any balance resulting in the recalculation of the student account based on the return of unearned financial assistance.

Student Records

Official Academic Records

The official academic record for each student is maintained by the Registrar's Office, and a summarization of courses and grades is kept on a confidential permanent record form. Other academic information, non-permanent but relating to the student's enrollment and academic progress, is on file for a minimum 5 years following the last date of enrollment. Official transcripts as authorized by the student or former student are made from the permanent records which are made secure and electronically stored.

Carson-Newman College provides for the confidentiality of student records in accordance with the Family Educational Rights and Privacy Act, as amended. This act provides for the right of access by a student to his/her file and records with certain limited exceptions and prohibits the disclosure of information without the student's written approval, with certain limited exceptions, other than for disclosure of directory information. **Directory information includes student name, address, telephone numbers, e-mail addresses, date and place of birth, dates of attendance, enrollment status (full-time or part-time), major and anticipated date of graduation, degree and awards, the most recent previous educational institution attended, and participation in school activities and sports.** Students wishing to withhold directory information may do so by notifying the Registrar *in writing*. Such notification must be received during the first week of the student's enrollment each academic year.

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

1. The right to inspect and review the student's education records within 45 days of the day the College receives a request for access.

A student should submit to the registrar, chair of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The college official will make arrangements for access and notify the student of the time and

place where the records may be inspected. If the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the College to amend a record should write the College official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the College decides not to amend the record as requested, the college will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the College discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The College may disclose education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the College has contracted as its agent to provide a service instead of using College employees or officials (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the College.

Upon request, the College may disclose education records without consent to officials of another school in which a student seeks or intends to enroll.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC 20202-5901

The Family Educational Rights and Privacy Act provides that educational records of a student who is a dependent of his/her parent(s) for Internal Revenue purposes may be disclosed to the parent(s) without first receiving the student's consent, provided documentation showing the student to be dependent under the provisions of the Internal Revenue Code is presented by the parent(s). Students may authorize the release of otherwise confidential information, i.e., grades, academic progress, class attendance, financial data, and disciplinary actions to parents or others by signing a consent form available in the Office of the Registrar.

Following is a partial list of records maintained in College offices and the official responsible for each.

Academic records and transcripts: Registrar

Student Judicial Records: Vice President for Student Affairs and Dean of Students

Student Co-curricular and Extracurricular Involvement: Vice President for Student Affairs and Dean of Students

Placement folders (must be compiled by the student): Career Services, Life Directions Center

Student Consent to Disclose Information

Students may authorize the release of otherwise confidential information, for example, grades, academic progress, class attendance, financial data, and disciplinary actions, to parents or others by signing a consent form available in the Office of the Registrar, located on the top floor of the Fite Administration Building.

Disclosure which may not legally be made except upon the consent of the student shall not be made by any College employee (except for access with certain limited exceptions as noted previously) until the student's consent is on file in the Office of the Registrar. Disclosure shall be made only of the specific matters to which the student has consented and to the person designated by the student. Any College employee who is asked by any person (the student, a parent, or anyone else) to make a disclosure of confidential information which may be made only upon the student's consent, shall not make the disclosure unless first being advised by the Office of the Registrar that the student has consented to the disclosure and the consent has not been revoked by the student as of that date. College employees who are asked by parents of students and others to make such disclosure should be advised that disclosure may be made by the College if the student consents in writing on a Consent to Disclose Information form filed in the Office of the Registrar.

When disclosure is made, the disclosing employee shall first ascertain that the person to whom disclosure is made is indeed the person the student has designated. In each instance, no disclosure shall be made except to a person who can recite the student-designated password. When disclosure is made to the person in person, the employee should first secure from the person adequate identification. When disclosure is made by mail, the envelope will be marked "Confidential: To Be Opened by the Addressee."

The College is not legally obliged to disclose in each instance to which the student consents. If circumstances exist which causes a College employee to believe it may not be in the student's best interests for a disclosure consented to by the student to be made, the employee should report the situation to the Registrar.

For additional information concerning the Family Educational Rights and Privacy Act, consult the Registrar's webpage at www.cn.edu/administration/registrars-office/family-edu-rights-privacy-act.

Transcripts

Transcripts shall be processed by the Registrar's Office upon **written** authorization from the student or former student. Official transcripts will be furnished only after all accounts have been satisfactorily settled with the College. Students utilizing monthly payment plans must receive approval from the Treasurers' Office before an official transcript can be released. Currently enrolled students may request an unofficial copy of their record for campus use only.

MAJORS, MINORS, AND EMPHASES

MAJORS	EMPHASES	MINORS
BACHELOR OF ARTS (BA)		
*Art Photography	Drawing and Painting Graphic Design	Art Art History Photography
*Biology	Environmental Studies General Research	
*Chemistry		
Communication Studies	Advertising/Public Relations Media Studies Speech	Communication Studies
*Theatre		Theatre
*English	Creative Writing Literature	English
Film		Film
*Spanish Biblical Languages	Professional Major Corollary Major	German Spanish
*History *Political Science		History Political Science Law and Policy Studies
Interdisciplinary Scholars		
Linguistics		Linguistics
*Mathematics		Mathematics
Music		Music
Philosophy Philosophy-Religion		
*General Psychology Applied Psychology		Applied Developmental Psychology Applied Psychology Criminology Mental Health Positive Psychology Social Entrepreneurship
Social Entrepreneurship		
Biblical Languages Philosophy-Religion Religion	General Emphasis in Biblical Studies Emphasis in Leadership and Ethics Emphasis in Ministry Studies Emphasis in Missions Emphasis in Spirituality and the Arts Emphasis in Youth and Recreation Ministry	Biblical Languages Greek Hebrew Missions Oxford Studies Religion Religious Studies
Sociology	Cross-Cultural General	Sociology
Human Services		Human Services
Liberal Studies *Liberal Studies with Elementary Education (K-6) *Liberal Studies with Middle Grades Education (4-8)		Education

MAJORS EMPHASES MINORS

BACHELOR OF MUSIC (BM)

Performance (Instrumental, Piano or Voice) Music
 Church Music
 *Music Education-Instrumental
 *Music Education-Vocal/Choral
 Music Theory
 Music in Combination with an Outside Field

BACHELOR OF SCIENCE (BS)

Accounting Accounting
 Business Administration Business Administration
 Emphasis in Management Finance/Economics
 Emphasis in Marketing

Finance/Economics

*Chemistry
 Biochemistry

Human Exceptionalities
 *Special Education

Child and Family Studies *Early Childhood Education
 Consumer Services Fashion Merchandising and Design
Interior Design

Foods, Nutrition, and Dietetics
 *Family and Consumer Sciences Education

*Physical Education
 Physical Education Recreation
 Exercise Science

Interdisciplinary Scholars

*Physics Applied
Professional

BACHELOR OF SCIENCE IN NURSING (BSN)

Nursing

INTERDISCIPLINARY MINORS

Appalachian Studies	Film	Medieval and Renaissance Studies
China Studies	Gerontology	Military Leadership
Conflict and Justice Studies	Health Professions	Religious Studies
Environmental and Community Studies	International Education and Missions	Women's Studies

For a student interest in continuing on to a graduate program in an allied health area, see the health pre-professions section of the catalog. (Allied health areas include medicine, pharmacy, dentistry, physical therapy, occupational therapy, optometry, physician assistant, medical technology and veterinary medicine.)

Majors, Minors, and Emphases

Majors

A major is a student's primary area of study. Students seeking a BA degree choose a major from academic areas or disciplines. Courses in the liberal arts core requirement may or may not count as part of the major. Consult department for specific requirements. See Table I for a listing of majors available within departments.

Students may obtain a BA in Interdisciplinary Scholars. Consult advisors for additional information and requirements.

For baccalaureate degrees other than the BA--i.e., the BM, BS, and the BSN, both major subject area and the liberal arts core requirement are incorporated into a curriculum which is prescribed and must be strictly followed in order to meet degree requirements and certain accreditation and professional standards. For the BM degree, the chair of the department of music may make appropriate substitutions in departmental curricula. Consult department.

Minors

Students may elect one or more optional minors from approved sections. Some minors will consist of courses from a single department. See Table I for offerings. Other minors are interdisciplinary and involve coursework from more than one department. These are listed below. A minimum C average (2.00) is required in a minor. Courses in the minor may not count toward a major or another minor unless such courses are designated as required for both. Courses so designated and counted in more than one area are limited to two.

Interdisciplinary Minors

Appalachian Studies

This minor is available to the student who seeks an academic focus on the literature, people, and environmental issues relating to the Appalachian region in various fields of study. The student is required to take Appalachian Seminar (ID 217), ENG 442, and 15 hours representing a minimum of 3 areas from the following courses: ENG 321, 323, 327, 343 (when course focuses on Appalachian poetry), 446; PSY 318, 410; BIOL 304; SOC 205; MGT 410; or up to 3 hours of approved electives. At least fifteen hours must be taken at Carson-Newman. Students should inform their professors when taking any of these courses to fulfill the Appalachian Studies minor. **Contact** Dr. Ernest Lee, Director of the Appalachian Center.

China Studies

This minor is in cooperation with the Chinese Cross-Cultural Institute. Students must complete 18 hours to include the following: HIST 341 or 342; 6 hours in Chinese Studies; and 9 hours from the following: HIST 341, 348, PHIL 404; SOC 201 or approved courses in Chinese Studies. **Contact** Dr. Danny Hinson, Global Education.

Conflict and Justice Studies

Designed for students interested in social justice ministry, criminal justice, forensic psychology, peace studies, restorative justice, nonviolent conflict resolution, law and society, ethics and society, and other related fields of study, service, and work. Students take 21 hours to include REL/PHIL 301 plus an 18 additional hours with a minimum of one course from each of the following subject areas: Sociology: SOC 208; Psychology: PSY 316, 323; History/Political Science: HIST 350, 351, 353, PSC 321, 337, 338, 438, 439; Religion: REL 318, 415. **Contact** Dr. Larry Osborne, Department of Psychology.

Environmental and Community Studies

This minor is for students interested in pursuing their major and career interests in the context of addressing human needs and problems through sustainable development and conserving the natural environment and informed by an understanding of place, the aesthetics of environment and community, and other considerations of community history, culture, and values. Students complete 21 hours of coursework including 3 additional hours in the natural sciences beyond the 6-hour liberal arts core requirement to be selected from BIOL 102, 105, 106, 304, 315, 317, 405, or any GEOL/GEOG course; 15 hours selected from ENG 446, HIST/PSC 323, PSY 212, 312, 318, 323, SOC 205, 402, or approved special topics courses in Philosophy, economics, or related field; and 3 hours of approved field work or research selected from BIOL 383, 491, ENG 465, HON 499, PSY 410, 491, REL 296, SOC 406. **Contact** Dr. Larry Osborne, Department of Psychology.

Film

Students must complete 21 hours, including FILM 209, 304, 310, 327, 344, and 441; and either FILM 311, ENG 361 or HIST 202. **Contact** Dr. Mark Borchert, Department of Communication.

Gerontology

This minor is designed for psychology, sociology, nursing majors and/or anyone interested in caring for and working with the elderly. It consists of the following requirements: PSY 407, NURS 217; 3 hours from PE 313, FN 114 or 210; 3 hours from PSY 410 or other supervised internships of 135 clock hours or more in a geriatric environment; electives (6 more hours), 3 hours from BIOL 101, 207; or special topics in gerontology (390); and 3 hours from ENG 315, REL 442, SOC 102, 401, or PSY/CFS 206. **Contact** Dr. Laura Wadlington, Chair, Department of Psychology.

Health Professionals Interdisciplinary Studies

Designed for individuals who plan to have a career as a practicing health professional. It is hoped that the minor will expose students to critical features of their future career from an interdisciplinary perspective. The 18 hours of courses completed must have four different departments represented. Of the 18 hours required for the minor, ID 208, Career Planning in the Health Professions, is required; one course must be completed

from business; one course from psychology; and one course from sociology. The remaining courses must include a course from at least one other department. The eligible courses are BAD 415 (junior standing) or ECON 415 (junior standing) from business, CHEM 308 from chemistry, SPED 201 or SPED 313 from education; FN 214 from family and consumer sciences; HLTH 203 from health, physical education, and sport science; NURS 407 or NURS 415 from nursing; PHIL 301 from philosophy; PSY 206, PSY 407, or PSY 425 from psychology. **Contact** Dr. Stephen Karr, Director of Health Pre-Professions.

International Education and Missions

This minor is designed for students in preparation as missions volunteers. A missions mentor/advisor and periodic activities related to mission will be offered to students as part of this minor. Select a total of 18 semester hours from four of the five following categories: Missions, REL 450, 451; Cross-Cultural, SOC 201, 402, REL 320, 404; Historical, HIST 341, 343, 344, 345, 431, 432; Global, PSC 323, GEOG 201, Experiential, International Study Travel Credit, H.E.A.R.T. Credit. **Contact** the Department of Religion.

Medieval and Renaissance Studies (MARS)

Medieval and Renaissance Studies (MARS) is the historical, cultural, and artistic study of time periods ranging from the fifth century A.D. to the mid-seventeenth century A.D. At Carson-Newman College, we offer an interdisciplinary minor in this field. This minor allows a deal of flexibility so that students can supplement their major with broad study of the Medieval and Renaissance world. Students can combine classes in art, music, history, linguistics, philosophy, English, foreign language, and religion to better understand holistically these time periods. A MARS minor would complement and enrich a major in any of these areas mentioned above.

The minor is built from 200 level or higher courses regularly offered at Carson-Newman College, i.e., courses dealing with Medieval or Renaissance topics. To ensure the minor's multidisciplinary nature, students may use no more than two courses for their minor that would normally be applicable to their major. (For example, an English major could take two additional English classes and apply those classes to the MARS minor, but the additional courses beyond those two must be in areas outside his major. This variety will encourage interdisciplinary understanding.) The student must take a total of 18 hours chosen from the following: ENG 362, 423; GER 270; HIST 341, 333, 334, 437, 438; MUS 431; PHIL 304; and REL 438; any approved advanced course in English/French/linguistics/Spanish/German or religion (repeated with permission) that focuses on a Medieval or a Renaissance topic, genre, or author (e.g., ENG 340, 440, 451; SPAN 415; GER 415, REL 296, etc.).

Interested students should contact Dr. Kip Wheeler (kwheeler@cn.edu) or Dr. Mary Baldrige (mbaldrige@cn.edu).

Religious Studies

For a minor in Religious Studies, a student must complete 18 hours (12 hours required courses and 6 hours elective courses) in addition to REL 101 and 102. The required courses are PHIL 402 and 404, REL 320, and SOC 312. Six hours elective credit may be taken from either REL 324 or HIST 341 and a course from REL 322, 323, or 433. Contact the Department of Religion.

Women's Studies

The Women's Studies program offers students the opportunity to earn an interdisciplinary minor in Women's Studies. The program encourages the study of women and gender in different cultures and time periods. It seeks to integrate questions of race, class and gender and to approach these from a global perspective. The coursework is designed to give the student an historical and contemporary perspective on the roles which women have played and continue to play in societies around the world and across time. It also strives to offer a supportive community to women interested in feminist issues through dinners, workshops, and outings.

To minor in Women's Studies the student must take 18 hours of coursework in courses that focus primarily on women or women's issues. At least three disciplines must be represented. Courses may be chosen from English 242, 352, 440 or 444; History 242 or 323; Nursing 415; Political Science 321, 338 or 410; Psychology 408; Religion 416 or 437; Sociology 309 or 401. Other special topics courses with an emphasis on women's issues or women's studies may also be applied to the minor and students may work with individual professors to devise independent study courses that may be applied to the minor. **Contact** Dr. Shannon Carpenter Collins, Department of English, or Dr. Beth Vanlandingham, Department of History.

Worship Leadership

The intent of the minor in Worship Leadership is to provide interested students with a basic set of skills and knowledge that will enable them to plan and lead worship services. This minor assumes that a number of students currently lead or will in the future lead worship services of different types and in a variety of settings. It consists of the following requirements: COMM 250, MUS 100 (or higher music theory), MUS 101 (or higher piano), MUS 249, MUS 322, MUS 460, 1 hour of ensemble, REL 361, and two classes from REL 224, REL 314, or REL 315.

Emphases

Some departments have further organized their curricula to make it possible for students to focus more specifically or to explore more deeply within the major area.

Within the Department of Communication, students may develop a degree in either Theatre or Communication Studies. Communication Studies majors may develop a degree plan with an emphasis in speech, advertising/public relations, journalism, radio/television/film, or general.

In the Department of English, majors must choose an emphasis from either creative writing or literature. Consult curriculum in this catalog for requirements.

Sociology majors must choose an emphasis in either general sociology or cross-cultural sociology.

Family and Consumer Sciences students majoring in Child and Family Studies may choose an emphasis in early childhood education in preparation for teacher licensure pre-K through grade 4; majors not electing an emphasis follow a general program. Family and Consumer Sciences students majoring in consumer services may choose an emphasis in either fashion merchandising and design or interior design; majors not electing an emphasis follow a general program.

In music education, there are separate curricula for band/orchestra director and vocal/general music. By taking extra courses, it is possible to secure licensure in both.

Art and Management also have optional emphases for majors. Consult Table I or departmental program for listings.

Programs

A program is an interdisciplinary set of prescribed courses designed to prepare a student for professional certification or licensure. A program is optional and, if chosen, must be taken in conjunction with a defined major and/or minor unless express restrictions are imposed for a specific program.

Coaching Education

The coaching education program is designed for those individuals who are interested in becoming a successful coach. The program offers the opportunity to obtain coaching principles and sports first aid certifications through the American Sport Education Program (ASEP). It consists of a minimum 21 hours: 5 hours of core courses, 4 hours of teaching/coaching sport skills courses, and 12 hours of coaching effectiveness courses. The program is available to any major. **Contact** the Department of Physical Education.

Post-Baccalaureate Health Professions

The Post-Baccalaureate Health Professions Program is a bridge program for students who already have earned a bachelor's degree and desire a change of career into one of the health professions. Requirements will center around the health profession career and the specific professional schools to which the student selects to apply. The program is not a graduate degree program. Required courses can be completed in an intense 12 to 24 month period. **Contact** Dr. Stephen Karr, Director of Health Professions.

Academic Support Services

Carson-Newman College provides a variety of Academic Support Services to assist students in maximizing their success in the classroom, in their personal lives, and in preparing for the future.

Academic Computer Facilities

General access computers are located in Stephens-Burnett Library (main floor) and available during open library hours. Computer labs available for general access may also be found in the Dougherty Science Center (room 123) and Ted Russell Hall (room 208) at various open hours.

Most departments have computer access labs available for students majoring in particular disciplines. Contact the academic department offices for more information.

Academic Skills Enhancement

Support is provided for students who demonstrate the need for remediation in basic academic skills as determined by standardized test scores. Contact the Life Directions Center.

Academic Success Seminars

Students experiencing academic difficulty are encouraged to participate in the study skills training, tutoring, and other sessions. Contact the Life Directions Center.

Adult Education Admissions

Carson-Newman's Adult Education Admissions is available for non-traditional students over the age of 25 or for students attending evening classes. The College makes available a variety of services in support of the adult learner, such as advising, career guidance, and access to library and computer services. Financial aid is available for qualified students. Students taking classes after 4:00 p.m. *exclusively* are offered a reduced tuition rate.

For questions regarding administrative services, contact the Adult Education Admissions Representative at (865) 471-3223.

Advising

Faculty advisors are assigned to guide the student toward academic success. The Life Directions Center also provides advisor information resources to assist in this process. Contact the Life Directions Center.

At-Risk Students

Individualized referral services are available for those students at risk for dropping out of College. Contact the Life Directions Center.

Career Services

Both students and alumni may take advantage of career counseling and exploration, development of skills needed in the job search, as well as the on-campus recruitment program. Contact the Life Directions Center.

Disability Services

Carson-Newman makes reasonable accommodation for students with documented disabilities. To request accommodation and submit supporting documentation, contact the Coordinator for Students with Disabilities or the Director of the Life Directions Center.

English Language Institute

Instruction in English as a foreign language is provided for international students needing additional instruction in the English language skills. Students who successfully complete the ELI and then successfully complete 6 undergraduate hours after being admitted into the regular undergraduate program at Carson-Newman College will be awarded 12 semester hours of ESL (English as a Second Language) to be counted as foreign language credit. Contact the ELI Director.

Freshman Year

The Life Direction Center implements activities throughout the year to assist new students with the adjustments to college life. A vital component of the Freshman Year is LA 101, Introduction to the Liberal Arts. Contact the Director of the First Year and Conference Services.

International Student Services

The Office of International Student Services plans activities and co-curricular programs for international students. Some of the services provided by this office are part-time staff coordinator, airport service at the beginning and end of each semester, assistance with checking into campus housing, international student orientation, assistance with opening bank accounts, periodic shopping and sightseeing trips, and assistance in integrating into the College community. Information is available about holiday tours which include home-stays. Contact the Coordinator for International Student Services.

National Testing Programs

Students whose major requires them to take a standardized test, those wishing to receive CLEP credit, or needing to take a national test such as the GMAT, GRE, LSAT, or PRAXIS may do so in the department in question or, in some cases, in the Life Directions Center. Contact the Life Directions Center.

Orientation to the College

All first-time freshmen and new transfer students are scheduled for New Student Orientation prior to the beginning of each fall or spring semester. During this two or three day campus visit, college success and survival skills are covered, and special seminars are offered for parents. A \$200 new student enrollment fee/deposit is required prior to attending. For more information on New Student Orientation, contact the Office of Admissions.

Selection of Major

Resources to assist the student in choosing/changing a major are available. Contact the Life Directions Center.

Tutoring

This service is available to all enrolled Carson-Newman College students for most courses taught at the College. Tutors are generally juniors or seniors who are supervised by professional staff. Both day and evening times are available. Contact the Life Direction Center.

Community Services

Appalachian Outreach

Appalachian Outreach is a poverty relief ministry sponsored by the Student Affairs division and the local community. This ministry includes a home repair ministry, Samaritan House (homeless shelter), an educational center, and the Appalachian Outreach Ministry Center, all located within five blocks of campus. AO also includes the following mission outreach programs: food distribution, used clothing and furniture ministries, recycling, Hispanic ministry, children's ministry, disaster relief missions, tutoring, community garden projects, computer-learning lab, and partnerships in assisting international poverty relief work.

Baptist Collegiate Ministries

Student-led, volunteer organization including worship, Christian growth groups, outreach teams, missions experiences and fellowship. Contact the Director of Campus Ministries.

Bonner Scholars

A four year service scholarship program within which students perform a variety of volunteer services and engage in related academic activities. Application deadline for high school seniors is March 1. Applicants must meet service and financial need requirements. Contact the Director of Bonner Scholars.

Center for Educational Service to Appalachia

A variety of educational programs emphasizing regional literature, arts, and scholarship are offered for area schools, teachers, and community. Contact the Director.

Family Enrichment Institute

As an extension of the graduate program in counseling, the Institute uses graduate students in teaching life coping skills in a variety of community settings. The Institute also sponsors the Family Enrichment Seminars, which are regularly presented to the community on mental health topics pertaining to effective individual and family functioning. For information, contact the Director.

Norton Institute for Congregational Health

Supports the mission of the local church by creating a forum to explore and nurture critical issues and ideas which promote individual and congregational wellness. Its goals are to provide training for congregational leadership for ministry; to become a resource for congregational leadership and development; and to provide resources, services, and support which assist a congregation and staff during transitional periods in ministry leadership. For further information, contact the Department of Religion.

Samaritan House

A temporary shelter for homeless families and single women located three blocks from campus at 130 West Old Andrew Johnson Highway. This ministry includes clothing, furniture, and feeding programs, counseling, worship and Bible study ministries. The shelter is a ministry of the Student Affairs division in partnership with the local community.

SPOTS Teams (Special Projects Other Than Summer)

Short-term mission projects over fall and spring break. Contact the Associate Director of Campus Ministries.

Summer Missions

Opportunities for summer missions service through local, state, national and international agencies, organizations, camps, and churches. Contact the Director of Campus Ministries.

Teaching English as a Foreign Language (TEFL)

This 50-hour online course taught in conjunction with the Consortium of Global Education (www.cgedu.org) teaches communicative approaches to teaching English to second language learners. The course is designed to be completed with 50 hours of reading, task file completion, and outside class observations.

The Introductory Certificate in TEFL will be useful to people who intend to teach or tutor foreign students on an informal or volunteer basis in North America or overseas, people who are going overseas as teaching assistants, people who want to learn more about TEFL before deciding whether or not to enroll in a graduate TEFL program, and people working in church-based ESL programs.

Contact the Center for Global Education for additional information about the program.

Academic Special Programs

In addition to the regular academic programs, Carson-Newman College offers an array of special programs which focus on interdisciplinary study, unique study opportunities, community-based education, and scholarship. Some are designed for students while others are for faculty professional development. Five of these, termed Centers, are part of the strategic plan to advance Carson-Newman College toward a position of academic excellence at the national level.

Binary Program

A four-year binary program at Carson-Newman College in conjunction with an accredited pharmacy school. Students complete three years at Carson-Newman (minimum 96 hours) and one year of the professional program at pharmacy school with a minimum "C" average and 32 hours. Upon completion of the first year of professional school, those credits are transferred back to Carson-Newman, and the student receives the BA degree from Carson-Newman in Biology or Chemistry. Students must complete the Carson-Newman liberal arts core requirements and satisfy departmental requirements for the Biology or Chemistry major. (Carson-Newman residency requirements must be met -- see Academic Policies, Procedures, and Regulations.) Special precaution should be taken to avoid duplication of courses such as biochemistry, immunology, microbiology, and anatomy and physiology which are normally taken during the first year of pharmacy school.

Center for Baptist Studies

The Center for Baptist Studies hosts two annual lectures, the Carlyle Marney Lecture (fall semester) and the T. B. Maston Lecture (spring semester). In addition, the Center for Baptist Studies oversees the Oxford Studies program, which places two students at Regent's Park for Trinity term (late April-June). The purpose of the Center is to promote and nurture Baptist identity and heritage to student, faculty and staff, alumni, and friends of Carson-Newman. For more information, contact the Department of Religion.

Louis and Mary Charlotte Ball Institute for Church Music

Campus events, workshops for musicians, and publications relevant to the denomination and local churches in music and worship. For more information, contact the Chair.

Center for Educational Service to Appalachia

Campus events, publications and community service projects relevant to the region. For more information, contact the Director of the Appalachian Center.

Center for Global Education

The Center for Global Education leads the College to strengthen its international and intercultural dimensions through curricular and co-curricular programs. The English Language Institute (ELI), study abroad, the development of international institutional relationships, and international student activities comprise the on-campus programs of the Center for Global Education. For additional information, contact the Dean of Global Education.

Center for Wellness

The Center for Wellness provides health education and promotion through campus activities, classroom lectures, and health campaigns. The Wellness Committee is composed of faculty, staff, and students who are committed to enhancing a healthy lifestyle across the campus. For more information, contact the Wellness Chair.

Evening Classes

Carson-Newman College offers evening classes Monday through Thursday during the fall and spring semesters. Tuition for a maximum semester load of 13 hours for students enrolled in evening classes is offered at a reduced rate. Evening classes may be applied toward a degree or audited at a 50% reduction in cost. Refer to "Costs" section for tuition and other fees. For additional information, contact the Adult Education Admissions Representative, at (865) 471-3223.

Honors Program

Students whose composite ACT score is 28 or higher or SAT is 1240 or above may be eligible for participation in the honors program. Freshmen and sophomore students take special team taught classes such as Humanity and the Cosmos and Faith, Freedom and the Individual. During the junior year, honors students take a fine arts course and Research and Writing, the preliminary to the honors thesis, which is completed the senior year. The honors thesis consists of supervised experience or research in the student's major field(s). Upon successful completion of the project and the recommendation of the honors council, the student receives six semester hours of credit in the major and is recognized as graduating with honors. Honors students also have the opportunity to live in the Honors House. See HONORS PROGRAM section of this catalog for course offerings. For more information, contact the Honors Program Director.

Independent Study

Forms for enrolling in independent study are available in the Registrar's Office. A student must have the necessary approvals prior to registration and may enroll for no more than four semester hours of independent study credit during a semester.

Interdisciplinary Scholars

This program is designed for the self-motivated, academically superior student (minimum 3.00 college GPA). Students in the interdisciplinary scholars program design their own curriculum. They are assigned a preceptor who assists in putting together an area of study allowing for a variety of interests and a minor in at least one academic area. To graduate with an Interdisciplinary Scholars major, a student must complete the liberal arts core requirements and meet common requirements for a degree, excluding those pertaining to a major. Students must apply for acceptance into the program no fewer than 48 semester hours prior to anticipated graduation. For more information, contact the Provost's Office.

Mayterm

The Mayterm is a three-week term following spring semester in which students can pursue single-mindedly, an intense uninterrupted study of a subject. For many students, this is the opportunity to explore an area outside the traditional boundaries of the regular academic program. Many of these three week courses combine study with travel, whether it be to Ireland to study its literature or to sites in Georgia or Alabama to examine the Civil Rights Movement. For more information, contact the Registrar's Office.

Preprofessional Programs

Post-Baccalaureate Health Professions Program

Carson-Newman College offers a bridge program for students who already have earned a bachelor's degree and desire a change of career into one of the health professions. Requirements will center around the health profession career choice and the specific professional schools to which the student selects to apply. This program is not a graduate program or a degree program. For more information, contact Dr. Stephen Karr.

Washington Semester

The Washington Semester is an internship program, primarily for political science and prelaw majors, that grants credit for work in the nation's Capitol. Students learn the workings of federal government firsthand, under the supervision of a United States congressman out of whose office they work. Contact the Department of History, Political Science, and Sociology for details.

International Programs

Carson-Newman is a community of scholars and students committed to global awareness and world outreach. Numerous opportunities exist for students to participate in programs of study or interest with an international or cross-cultural focus. Students can satisfy their curiosity in any or all of the following areas:

Majors/Minors/Emphases

Several departments at Carson-Newman College offer majors that expose the student to courses with a distinctly international component. Some departments further provide students with the opportunity to focus more of their major coursework specifically in international studies, and hence offer emphases or minors within that major. For complete details of course offerings and requirements, see the contact person listed.

42 Study Abroad

China Studies (Minor only)

Contact Dr. Danny Hinson.

English as a Second Language (ESL)

Available as a Master's Degree only. Contact Dr. Mark Brock.

Foreign Language Major

Majors are available in Spanish, Languages and Biblical Languages. Contact Dr. Mary Baldrige.

History or Political Science Major

Contact Dr. Kara Stooksbury.

Oxford Studies Minor

Available to students selected for study in the Oxford term. Contact Dr. David Crutchley.

Sociology Major

Cross-Cultural Emphasis in the Sociology Major. Contact Dr. Greg Hoover.

Study Abroad

Carson-Newman offers both short- and long-term study abroad opportunities around the world in a variety of academic disciplines. Contact the Center for Global Education.

Al Akhawayn University Exchange Program

Opportunity to study for a semester at Al Akhawayn University in Ifrane, Morocco. Contact Dr. Danny Hinson.

Asian Exchange Programs

There are opportunities to study for a semester at Kansai Gaidai University, Kobe International University, and Nagoya University in Japan, as well as Hong Kong Baptist University, P.R.C. Contact Dr. Danny Hinson.

Chinese Cross Cultural Institute

Promotes faculty and student exchanges between Carson-Newman College and several Chinese universities. Contact Dr. Danny Hinson.

London Program

Carson-Newman College, along with International Enrichment, Inc., offers study abroad programs in London, England, every semester and summer. These programs provide all academic and non-academic support services, including classes, library, cultural events, social events, field trips, housing, and more. Contact Dr. Wayne Ballard.

Missions

Opportunities for spring break, summer, semester and extended service are available worldwide. Contact the Associate Director of Campus Ministries.

Overseas Language Instruction

Foreign language majors can often earn credit for travel/study during Mayterm and Summer. Contact Dr. Mary Baldrige.

Oxford Term

A scholarship-supported, research and tutorial experience in England for select students who compete for acceptance. Contact Dr. David Crutchley.

International/Cross-Cultural Courses

International/cross-cultural courses are available through the Art, Business, Communication, Education (Graduate), English, Foreign Language, Geography, History and Political Science, Family and Consumer Sciences, Music, Philosophy, Religion, and Sociology Departments as well as in the Interdisciplinary area. Examples of these courses are Topics in Ethnic Literature (ENG 443); Foreign Study/Travel (SPAN 309); Global Politics (PSC 313); Cross-Cultural Awareness: China (ID 302); Nonwestern Religious Thought (PHIL 404); European Development series (HIST 332-336); People and Problems of the Third World (SOC 402).

Program Information

Academic Skills Enhancement Program

Upon initial enrollment at Carson-Newman, students with low scores on the ACT and/or SAT will be required to take Basic Writing Skills and/or Basic Reading Skills and/or Intermediate Algebra. Classes will be assigned based on individual subject ACT/SAT scores. The writing and reading classes are designed to prepare students for writing compositions (essays) and to enhance student’s study skills. The Intermediate Algebra class is preliminary for any 100 level math class.

Students who are required to take at least two ASE courses will be advised by the Life Directions Center until satisfactory completion of the courses. They will not be allowed to take more than 14 hours during the semester they are taking the ASE courses. A grade of at least a “C” is required to pass the ASE courses, and any failed ASE course must be repeated the next semester. In addition, students in this program will be required to take ID 120, Academic Strategies. This two hour course is designed to reinforce study skills, time management skills, etc. Students in the ASE program must satisfy all of the academic requirements of the College (see Academic Standing in the catalog).

Credit for academic skills enhancement courses does not satisfy any requirement for graduation from Carson-Newman College. However, academic skills enhancement credit hours and grades are used in determining athletic eligibility and enrollment status for financial aid eligibility when required by the College to be taken.

Art

Chad Airhart, Lisa Ellis, Artist-in-Residence William C. Houston, Julie Rabun, David Underwood

Carson-Newman College is an accredited institutional member of the National Association of Schools of Art and Design. The Carson-Newman College Department of Art has held this accreditation with the NASAD since 1992.

Major

Art
Photography

The Department of Art is housed in the 4-story Warren Art Building, which sits in the heart of campus and includes two art galleries, several classroom studios, a number of private student studios, color and black and white chemical darkrooms, a Macintosh computer design lab, classrooms, and faculty offices. The art faculty are active professionals who have published scholarly or creative works, exhibited their artworks extensively, and won awards on the state, regional and national levels.

Art and photography majors participate in monthly juried exhibits of their work in the Student Gallery and have the opportunity for senior thesis exhibitions. Art and photography majors also have opportunities to gain valuable experience through art assistantships for credit or pay through the College Work Study program and through select internships.

Mission

The Department of Art strives to support and accomplish the overall mission and vision of Carson-Newman College, as a dynamic, vital and visible academic department on campus. All of our students are counseled toward a broad education in the liberal arts, to strive to create students who think critically and creatively and are knowledgeable about a wide range of disciplines. We seek to provide the general student the knowledge and ability to understand and appreciate the visual arts as an integral part of life.

We offer the Bachelor of Arts degree with a major in photography or a major in art with an emphasis in graphic design, painting and drawing, or teaching. We seek to prepare majors in our department for entry-level professional careers in art, graphic design, photography, or teaching, or for entry into appropriate academic graduate programs at other institutions. We strive to foster the individual artistic goals of each student and facilitate the development and maturity of each student’s artmaking and critical thinking skills toward the accomplishment of these individual goals.

The Department of Art also works to make its program a center of focus for the visual arts in the community by hosting a number of art exhibitions which are open to the public each year in our two galleries and by employing faculty who are active professionally in local and regional events and projects related to the visual arts.

The art major or the photography major requires six hours of the same foreign language at the 100 level or higher deemed appropriate by the foreign language placement exam.

For a major in art, a student must complete no less than 45 hours including the art core and an emphasis area within the Department of Art. A maximum of 66 hours in Art may be applied toward the BA.

Liberal Arts Requirements (47 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)		
English 101		3
Communication 135 or 230		3
Studies in Mathematics and Science (9 hours)		
Any Mathematics 100 level course, 201, or 207		3
Laboratory Science		6
Studies in Personal/Social Awareness (6 hours)		
Economics, History, Philosophy, or Political Science		3
Child and Family Studies, Psychology, or Sociology		3
Studies to Enhance a World Perspective (12 hours)		
English 201, 301		6
ART 210, ENG 310, FA 301, music ensembles, MUS 133 or TH 110.....		3
History 133, 134, or 135		3
Foreign Language (in sequence at appropriate level)		6
Senior Capstone Course (as listed in major hours below)		
Art 411		

Art Core Requirements (30 hours)

ART 100	Art Fundamentals I	3
ART 103	Art Fundamentals II	3
ART 104	Photography I.....	3
ART 105	Drawing I	3
ART 113	Computer Graphics	3
ART 202	Watercolor I.....	3
ART 205	Drawing II.....	3
ART 316	Art History I.....	3
ART 317	Art History II.....	3
ART 411	Senior Seminar	3

Graphic Design Emphasis (18 hours)

ART 223	Digital Imaging	3
ART 233	Graphic Design I.....	3
ART 243	Graphic Design II.....	3
ART 313	History of Graphic Design	3
ART 343	Graphic Design III	3
ART 453	Graphic Design IV	3

Elective Hours (33 hours)33

Drawing and Painting Emphasis (15 hours)

ART 212	Watercolor II	3
or ART 402	Oil/Acrylic II	
ART 302	Oil/Acrylic I.....	3
ART 305	Drawing III.....	3
ART 417	Contemporary Art	3
ART 450	Advanced Artmaking Methods	3

Elective Hours (36 hours)36

Teaching Emphasis (15 hours)

ART 302	Oil/Acrylic I.....	3
ART 308	Art Methods for Elementary Teachers	3
ART 408	Art Methods for Secondary Teachers.....	3
ART 417	Contemporary Art	3
ART 418	Non-Western Art	3

a. Students must participate in a portfolio review during the spring semester (usually in March) of the freshman, sophomore, and junior years. Assignments of studios, art scholarships, assistantships, and other departmental privileges are based upon the results of these annual portfolio reviews.

b. Teacher licensure: Students wishing to teach art must also meet the requirements of the teacher education program as approved by the Tennessee Department of Education.

c. Lecture courses in the Department of Art earning 3 hours of credit meet for 3 hours per week during the semester, as is the standard for most courses at Carson-Newman College. Studio courses (art-producing courses) earning 3 hours of credit in the Department of Art usually meet for 6 hours per week during the semester to facilitate the accomplishment of some (but not all) course requirements in the classroom with the aid of the instructor.

For a major in photography, a student must complete no less than 45 hours in Art, including the following. A maximum of 66 hours in Art may be applied toward the BA.

Liberal Arts Requirements (47 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 2073

Laboratory Science6

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3

Child and Family Studies, Psychology, or Sociology3

Studies to Enhance a World Perspective (12 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133 or TH 110.....3

History 133, 134, or 1353

Foreign Language (in sequence at appropriate level)6

Senior Capstone Course (as listed in major hours below)

Art 411

Photography Requirements (45 hours)

ART 100 Art Fundamentals I3

ART 103 Art Fundamentals II3

ART 104 Photography I.....3

ART 113 Computer Graphics3

ART 204 Photography II3

ART 224 Digital Photography3

ART 316 Art History I.....3

ART 317 Art History II.....3

ART 324 Color Photography3

ART 334 History of Photography3

ART 411 Senior Seminar3

ART 414 Alternative Photographic Processes.....3

Nine hours from among the following:

ART 223 Digital Imaging3

ART 424 Fine Art Photography3

ART 434 Photojournalism3

ART 440 Advanced Photographic Methods3

ART 444 Commercial Photography3

Elective Hours (36 hours)36

Minors consist of a minimum of 18 credit hours. Courses in the minor may not count toward a major, another minor, or the core unless such courses are designated as required. Courses so designated and counted in more than one area are limited to 6 hours. Minors available and their requirements are:

Art minor

ART 100 Art Fundamentals I3

ART 103 Art Fundamentals.....3

ART 104 Photography I.....3

or ART 202 Watercolor I

ART 105	Drawing I	3
ART 205	Drawing II.....	3
ART 317	Art History II.....	3

Art history minor

ART 100	Art Fundamentals I	3
ART 316	Art History I.....	3
ART 317	Art History II.....	3
ART 417	Contemporary Art	3
ART 418	Non-Western Art	3

Three hours from the following:

ART 313	History of Graphic Design.....	3
ART 334	History of Photography.....	3
ART 416	Art in America.....	3

Photography minor

ART 100	Art Fundamentals I	3
ART 104	Photography I.....	3
ART 204	Photography II	3
ART 334	History of Photography.....	3
Photography electives		6

Advanced placement: The Department of Art does not accept advanced placement by testing. Consideration for advanced placement is done by portfolio review. The decision will be made by the chair of the department in consultation with the instructor in the area. Advanced placement in art courses is not recommended and is granted only in rare cases.

Prerequisites: Courses within any specific medium must be taken in numerical sequence unless otherwise approved by the chair of the Department of Art. Transfer students whose proficiency in art is not equal to the entry level at Carson-Newman College are required to take remedial study as course audits.

Each student graduating with a major in art or photography is requested to place a representative piece of his/her work in the permanent collection of the Carson-Newman College Department of Art.

Biology

Stephen Karr, Susan Karr, W. Robert Trentham, Matt Wilkerson, Patsy K. Williams Boyce, Stephen Wright

Major

- Biology
 - Environmental Studies
 - General
 - Research
 - Teaching

Interdisciplinary Minors (See descriptions under Majors, Emphases, Minors, Programs.)

- Appalachian Studies
- Environment and Community

The biology program is housed in Dougherty Science Center. Its facilities include the Chapman Research Laboratory, laboratory facilities for environmental studies, zoology, botany, microbiology, immunology, cell biology, anatomy/physiology, genetics, mammalian physiology, gross anatomy, and a greenhouse.

Biology majors are eligible for membership in Beta Beta Beta, the national biology honor society. In addition to traditional courses, the department offers unique opportunities for individual studies through externships, independent projects and teaching assistantships. Following graduation, alumni have entered a variety of vocational fields, including health professions, education, research and industry.

The biology major requires six hours of the same foreign language at the 100 level or higher.

Liberal Arts Requirements (49-50 hours)

Liberal Arts (2 hours)

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)
 Religion 101, 102.....6

Studies in Communications (6 hours)
 English 1013
 Communication 135 or 2303

Studies in Mathematics and Science (9 hours)
 Mathematics 125 or higher3
 Chemistry 103 and 1048

Studies in Personal/Social Awareness (6 hours)
 Economics, History, Philosophy, or Political Science3
 Child and Family Studies, Psychology, or Sociology 3-4

Studies to Enhance a World Perspective (12 hours)
 English 201, 3016
 ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3
 History 133, 134, or 1353
 Foreign Language (in sequence at appropriate level)6

Senior Capstone Course (as listed in major hours below)
 Biology 411

For a general emphasis in biology, a student must complete at least 34 hours in biology.

General Biology Requirements (34 hours)

BIOL 105	General Biology I.....	4
BIOL 106	General Biology II	4
BIOL 410	Directed Readings in Biology	1
BIOL 411	Senior Seminar (capstone course).....	1
One course from each of the following three categories:		
Molecular/Cell		
BIOL 314	Genetics.....	4
BIOL 320	Molecular Cell Biology.....	4
BIOL 408	Immunology	4
Organismal		
BIOL 301	Botany	4
BIOL 302	Zoology	4
BIOL 404	Mammalian Physiology	4
Population		
BIOL 315	Ecology	4
BIOL 317	Natural History.....	4
BIOL 319	Animal Behavior	4
At least one of the following:		
BIOL 317	Natural History.....	4
BIOL 319	Animal Behavior	4
BIOL 320	Molecular Cell Biology.....	4
BIOL 402	Gross Anatomy.....	4
BIOL 404	Mammalian Physiology	4
BIOL 405	Environmental Assessment	4
BIOL 408	Immunology	4
Biology elective hours	.....	8

CHEM 301, Organic Chemistry I, and CHEM 302, Organic Chemistry II, are strongly recommended.

Elective Hours (44-45 hours)..... 44-45

The research emphasis in biology is intended for students interested in careers in research, industry and college level teaching. These students should prepare for graduate study on either the master’s or doctoral degree level. Their undergraduate requirements include those listed under the general emphasis. Also strongly recommended are one or more of the following:

BIOL 315	Ecology	4
BIOL 320	Molecular Cell Biology.....	4
BIOL 404	Mammalian Physiology	4
BIOL 408	Immunology	4
BIOL 491	Directed Projects in Biology	1-4

The **Environmental Studies emphasis** is intended for students interested in graduate study or employment in environmental studies (science). The courses required in this emphasis are as follows.

Liberal Arts Requirements (49-50 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (9 hours)

Mathematics 125 or higher3

Chemistry 103 and 1048

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3

Child and Family Studies, Psychology, or Sociology 3-4

Studies to Enhance a World Perspective (12 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

History 133, 134, or 1353

Foreign Language (in sequence at appropriate level)6

Senior Capstone Course (as listed in major hours below)

Biology 411

Environmental Science Requirements (35-38 hours)

BIOL 105 General Biology I.....4

BIOL 106 General Biology II4

BIOL 301 Botany4

BIOL 314 Genetics.....4

or BIOL 320 Molecular Cell Biology

BIOL 405 Environmental Assessment4

BIOL 410 Directed Readings in Biology1

BIOL 411 Senior Seminar (capstone course).....1

Four of the following seven courses:

BIOL 102 Environmental Science3

BIOL 302 Zoology4

BIOL 315 Ecology4

BIOL 316 Microbiology.....4

BIOL 319 Animal Behavior4

BIOL 383 Biology Externship3

BIOL 406 Field Biology3

Additional Requirements (12 hours)

Four of the following eleven courses:

BAD 201 Principles of Business Management3

COMM 123 Introduction to Communication Writing.....3

COMM 323 Public Relations3

EDUC 204 Educational Technology.....3

FN 114 Food and People.....3

GEOL 101 Introduction to Physical Geology3

MGT 301 Essentials of Management and Leadership.....3

MGT 405 Human Resource Management3

RECR 202 Outdoor Activities3

SOC 201 Introduction to Cultural Anthropology3

SOC 402 People and Problems of the Third World3

Elective Hours (28-32 hours)..... 28-32

Suggested electives:

ENG 446 Topics in Naturalist and Environmental Literature.....3

HIST 240 Environmental Writers1

MILS 404 Wilderness Leadership3

PE 012	Hiking/Backpacking	1
PE 016	Open Water Scuba Diving.....	1
PE 052	Beginning Kayaking	1
PHYS 362	Energy and the Environment.....	3
REC 404	Wilderness Leadership	3
SOC 311	Environmental Sociology.....	3

Teacher licensure - for students interested in teaching biology in secondary school systems. In addition to the courses specified under the general emphasis, these students must also meet the requirements of the teacher education program.

For students interested in continuing with further education in an allied health field, please see the Health Pre-Professions section of the catalog.

For all emphases, a maximum of 6 hours total correspondence, independent study credit, teaching assistantships and/or BIOL 470-479 can be applied toward the major.

Business

Hester Beecher, Cassandra Catlett, Clyde Herring, Alex Hutchins, Tori H. Knight, Vonda Laughlin, Robert Terrell

Majors

Accounting

Business Administration

 Emphasis in Management

 Emphasis in Marketing

Finance/Economics

Minors in Business

Accounting

Business Administration (not available for business majors)

Finance/Economics

The Department of Business is located in the Ted Russell Hall. The computer lab features Windows operating systems connected to a campus-wide computer network. Majors within the department have opportunities for internships and other projects during the senior year. Alumni include a former president of American Banking Association, hospital administrators, entrepreneurs, nursing facility administrators, CPAs, and several CEOs. Majors within the department are eligible for membership in a student chapter of the Institute of Management Accountants (IMA), or Students in Free Enterprise (SIFE).

Transfer credit--Generally, courses from two year institutions will not be accepted as equivalents for 300 or 400 level courses in any curriculum in the Department of Business. Any exception must be approved by the department chair.

Advanced Placement Credit—Students may receive credit for Economics 210 (Principles of Microeconomics) and Economics 220 (Principles of Macroeconomics) by achieving a score of 4 or higher on the College Entrance Examination Board's Advanced Placement exams in those subject areas.

The Department of Business accepts the following CLEP exams in accordance with the College's standards for a passing score: Accounting 201 (Principles of Financial Accounting), BAD 301 (Legal and Ethical Environment of Business), Economics 210 (Principles of Microeconomics), Economics 220 (Principles of Macroeconomics), and Marketing 300 (Principles of Marketing).

Students wishing to receive advanced placement credit must provide evidence of their score and pay a fee to the College for each credit hour awarded

Grade Requirements--A minimum C average (2.00 GPA) is required for the major and minor.

Teacher licensure--Those interested in teaching business in the secondary schools must also meet requirements of the teacher education program.

Business Majors

For a BS with a major in **accounting, business administration, or finance/economics**, a student must meet the liberal arts core requirement (44-45), major area requirement and electives to complete 128 hours as follows:

Liberal Arts Requirements (41-42 hours)**Liberal Arts (2 hours)**

LA 101 (Hum 101 for Honors Students only) 2-3

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (9 hours)

Mathematics 120 or 141 or 1513

Natural or Physical Science6

Studies in Personal/Social Awareness (6 hours)

Economics 210.....3

Psychology, Sociology, or Family and Consumer Sciences3

Studies to Enhance a World Perspective (12 hours)

History.....3

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

Senior Capstone Course (as listed in major hours below)

Management 408

Accounting Requirements (60 hours)

ACCT 201 Principles of Financial Accounting3

ACCT 202 Principles of Managerial Accounting.....3

ACCT 301 Intermediate Accounting I.....3

ACCT 302 Intermediate Accounting II3

ACCT 306 Strategic Cost Accounting.....3

ACCT 309 Accounting Information Systems3

ACCT 402 Auditing I3

ACCT 406 Advanced Accounting.....3

ACCT 414 Federal Taxation I3

ACCT 415 Federal Taxation II.....3

BAD 201 Business Communications3

BAD 215 Business Information Tools3

BAD 301 Legal and Ethical Environment of Business3

BAD 302 Law of Business Organizations and Commercial Transactions.....3

ECON 220 Principles of Macroeconomics.....3

FIN 201 Introduction to Financial Management.....3

MATH 201 Statistical Concepts and Methods3

MGT 301 Essentials of Management and Leadership.....3

MKT 300 Principles of Marketing.....3

MGT 408 Strategic Management (Capstone Course).....3

Elective Hours (26-27 hours)..... 26-27**Business Administration Requirements (48 hours)**

ACCT 201 Principles of Financial Accounting3

ACCT 202 Principles of Managerial Accounting.....3

BAD 201 Business Communications3

BAD 215 Business Information Tools3

BAD 301 Legal and Ethical Environment of Business3

ECON 220 Principles of Macroeconomics.....3

FIN 201 Introduction to Financial Management.....3

MATH 201 Statistical Concepts and Methods3

MGT 301 Essentials of Management and Leadership.....3

MKT 300 Principles of Marketing.....3

MGT 408 Strategic Management (Capstone Course).....3

Upper division coursework in at least three Business disciplines*15

*Internship courses will not count toward this 15-hour requirement.

Elective Hours (38-39 hours)..... 38-39

Business Administration with Management Emphasis Requirements (48 hours)

ACCT 201	Principles of Financial Accounting	3
ACCT 202	Principles of Managerial Accounting.....	3
BAD 201	Business Communications	3
BAD 215	Business Information Tools	3
BAD 301	Legal and Ethical Environment of Business	3
ECON 220	Principles of Macroeconomics.....	3
FIN 201	Introduction to Financial Management.....	3
MATH 201	Statistical Concepts and Methods	3
MGT 301	Essentials of Management and Leadership.....	3
MGT 302	Operations Management	3
MGT 306	Organizational Behavior	3
MGT 405	Human Resource Management.....	3
MGT 410	Entrepreneurship	3
MKT 300	Principles of Marketing.....	3
MKT 400	Marketing Management.....	3
MGT 408	Strategic Management (Capstone Course).....	3

Elective Hours (38-39 hours)..... 38-39

Business Administration with Marketing Emphasis Requirements (48 hours)

ACCT 201	Principles of Financial Accounting	3
ACCT 202	Principles of Managerial Accounting.....	3
BAD 201	Business Communications	3
BAD 215	Business Information Tools	3
BAD 301	Legal and Ethical Environment of Business	3
ECON 220	Principles of Macroeconomics.....	3
FIN 201	Introduction to Financial Management.....	3
MATH 201	Statistical Concepts and Methods	3
MGT 301	Essentials of Management and Leadership.....	3
MGT 410	Entrepreneurship	3
MKT 300	Principles of Marketing.....	3
MKT 350	Customer Value Analysis	3
MKT 400	Marketing Management.....	3
MKT 407	Marketing Research Methods and Design	3
MKT 442	Advertising and Sales Promotion.....	3
MGT 408	Strategic Management (Capstone Course).....	3

Elective Hours (38-39 hours)..... 38-39

Finance/Economics Requirements (57 hours)

ACCT 201	Principles of Financial Accounting	3
ACCT 202	Principles of Managerial Accounting.....	3
ACCT 414	Federal Taxation I	3
BAD 201	Business Communications	3
BAD 215	Business Information Tools	3
BAD 301	Legal and Ethical Environment of Business	3
BAD 402	Insurance and Risk Management	3
ECON 220	Principles of Macroeconomics.....	3
ECON 403	Public Finance and Public Policy	3
ECON 404	Financial Institutions and Monetary Theory.....	3
FIN 201	Introduction to Financial Management.....	3
FIN 304	Investment Analysis	3
FIN 305	Financial Strategies	3
FIN 307	Corporate Finance.....	3
FIN 401	Real Estate Investments and Finance.....	3
MATH 201	Statistical Concepts and Methods	3
MGT 301	Essentials of Management and Leadership.....	3
MKT 300	Principles of Marketing.....	3
MGT 408	Strategic Management (Capstone Course).....	3

Elective Hours (29-30 hours)..... 29-30

Minors in the Department of Business consist of a minimum of 18 credit hours selected from the courses offered under a single designation. Courses in the minor may not count toward a major, another minor, or the core unless such courses are designated as required. Courses so designated and counted in more than one area are limited to 6 hours. Minors available and their requirements are:

Accounting minor:

ACCT 201	Principles of Financial Accounting	3
ACCT 202	Principles of Managerial Accounting.....	3
ACCT 301	Intermediate Accounting I.....	3
ACCT 306	Strategic Cost Accounting.....	3
ACCT 309	Accounting Information Systems	3
ACCT 414	Federal Taxation I	3

Business Administration minor: (available to non-business majors only)

ACCT 201	Principles of Financial Accounting	3
BAD 215	Business Information Tools	3
ECON 210	Principles of Microeconomics	3
FIN 201	Introduction to Financial Management.....	3
MGT 301	Essentials of Management and Leadership.....	3
MKT 300	Principles of Marketing	3

Finance/Economics minor:

ECON 220	Principles of Macroeconomics.....	3
ECON 403	Public Finance and Public Policy	3
FIN 201	Introduction to Financial Management.....	3
FIN 304	Investment Analysis	3
FIN 305	Financial Strategies	3
FIN 307	Corporate Finance	3

Chemistry

Karla Bowers, Christine Dalton, Paul Martino, Ken Morton, Stephen Wright

Major

Bachelor of Arts

Chemistry

Majors

Bachelor of Science

Biochemistry

Chemistry

Careers

Since many career paths are open to chemists, students should consult with academic advisers to determine which degree is most appropriate for their particular interests and abilities. Some typical careers of our graduates include the health professions (all branches), graduate school, teaching in the public schools (teacher licensure program), and direct entry into the workforce (government or industry).

The chemistry program is located on the third level of Dougherty Science Center and has excellent lab facilities. Major equipment holdings include atomic absorption, inductively coupled plasma (ICP), chromatographs (gas and HPLC), diode laser (with optics and oscilloscope), electrochemistry, nuclear magnetic resonance (30 MHz CW and 90 MHz FT), spectrophotometers (UV-VIS, FTIR with library search, fluorescence), and capillary GC-mass spectrometers. Labquest™ is used in a number of labs for data collection and analysis (temperature, pH, electrochemistry, UV-Vis spectrophotometry, etc.). Additional major equipment shared with the department of biology for the biochemistry major includes centrifuges (preparative and ultracentrifuges), preparative and analytical chromatographic systems, gel electrophoresis, electroblotting, fluorescence imaging, microscopy and fluorescence microscopy, DNA sequencer, biosensor, autoclaves, data analysis equipment (scanners, digital cameras, computers), cell culture (hoods, incubators, reactors), ultracold freezers, walk-in cold room and freezer.

Some departmental scholarship money is available, particularly to junior and senior chemistry majors. A \$30.00 lab fee is required for all laboratory and externship courses in the department.

Liberal Arts Requirements (47-50 hours)**Liberal Arts (2 hours)**

Liberal Arts 101 2-3

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 2073

Laboratory Science 6-8

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3

Child and Family Studies, Psychology, or Sociology3

Studies to Enhance a World Perspective (18 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

History 133, 134, or 1353

Foreign Language (in sequence at appropriate level)6

Senior Capstone Course (as listed in major hours below)

Chemistry 412

The BA degree in chemistry requires at least 29 hours of chemistry, including the following:

Chemistry Requirements (29 hours)

CHEM 103 General Chemistry I4

CHEM 104 General Chemistry II.....4

CHEM 201 Excel for Scientists2

CHEM 301 Organic Chemistry I.....4

CHEM 302 Organic Chemistry II4

CHEM 411 Special Topics in Chemistry1

CHEM 412 Seminar in Chemistry1

CHEM Chemistry electives (must be 300/400 level).....5

At least one of the following:

CHEM 305 Quantitative Analysis4

CHEM 306 Instrumental Methods of Analysis4

CHEM 401/415 Physical Chemistry I and Physical Chemistry I Lab4

Elective Hours (49-52 hours)..... 49-52

Only eight (8) hours of 100 level courses and only 3 hours of externship (CHEM 307 or CHEM 308) may count towards the major.

A student must receive 6 hours credit in the same foreign language at either the 100 or 200 level based on the results of the placement exam.

The BS degree in chemistry requires at least 40 hours of chemistry and additional requirements as follows:

Liberal Arts Requirements (47-50 hours)**Liberal Arts (2 hours)**

Liberal Arts 101 2-3

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 1353

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 2073

Laboratory Science 6-8

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3

Child and Family Studies, Psychology, or Sociology3

Studies to Enhance a World Perspective (18 hours)

English 201, 301	6
ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....	3
History 133, 134, or 135	3
Foreign Language (in sequence at appropriate level)	6

Senior Capstone Course (as listed in major hours below)

Chemistry 412

Chemistry Requirements (39 hours)

CHEM 103	General Chemistry I	4
CHEM 104	General Chemistry II.....	4
CHEM 201	Excel for Scientists	2
CHEM 301	Organic Chemistry I.....	4
CHEM 302	Organic Chemistry II	4
CHEM 305	Quantitative Analysis	4
CHEM 306	Instrumental Methods of Analysis	4
CHEM 401	Physical Chemistry I.....	3
CHEM 402	Physical Chemistry II.....	3
CHEM 411	Special Topics in Chemistry	1
CHEM 412	Seminar in Chemistry	1
CHEM 415	Physical Chemistry Laboratory I	1
CHEM 416	Physical Chemistry Laboratory II.....	1
CHEM 491-494	Three hours of research.....	3

Supporting Course Requirements (20 hours)

MATH 151	Calculus I	3
MATH 152	Calculus II.....	3
MATH 211	Calculus III.....	3
MATH 213	Calculus IV	3
PHYS 201	Principles of Physics I.....	4
PHYS 202	Principles of Physics II	4

Elective Hours (19-22 hours)..... 19-22

No more than eight (8) hours of chemistry electives may be counted toward the 128 hour requirement for graduation. Since some of the supporting courses in math and physics also meet liberal arts requirements, the student may have additional elective hours available for other studies.

BS majors must serve as a laboratory assistant for at least one lab for one semester. The student may receive course credit or pay for this at the current rate established by the College.

The BS degree in biochemistry requires a total of 43 hours, including 4 hours of electives; some additional courses are strongly recommended.

Liberal Arts Requirements (47-50 hours)**Liberal Arts (2 hours)**

Liberal Arts 101	2-3
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Studies in Biblical Traditions (6 hours)

Religion 101, 102.....	6
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Studies in Communications (6 hours)

English 101	3
Communication 135.....	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 207	3
Laboratory Science	6-8

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science	3
Child and Family Studies, Psychology, or Sociology.....	3

Studies to Enhance a World Perspective (12 hours)

English 201, 301	6
ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....	3
History 133, 134, or 135	3
Foreign Language (in sequence at appropriate level)	6

Senior Capstone Course (as listed in major hours below)

Chemistry 412

Chemistry Requirements (42 hours)

CHEM 103	General Chemistry I	4
CHEM 104	General Chemistry II.....	4
CHEM 301	Organic Chemistry I.....	4
CHEM 302	Organic Chemistry II	4
CHEM 303	Biochemistry I.....	4
CHEM 304	Biochemistry II	4
CHEM 412	Seminar in Chemistry	1
CHEM 491	Research Techniques in Biochemistry	2
BIOL 105	General Biology I.....	4
BIOL 106	General Biology II	4
BIOL 410	Directed Readings in Biology	1
BIOL 475	Introduction to Bioinformatics.....	2
One of the following courses:		
CHEM 305	Quantitative Analysis	4
CHEM 306	Instrumental Methods of Analysis	4
CHEM 401/415	Physical Chemistry I and Physical Chemistry I Lab	4
BIOL 314	Genetics.....	4
BIOL 316	Microbiology.....	4
BIOL 320	Molecular Cell Biology.....	4

Strongly suggested

One or both:

MATH 141	Calculus I	3
MATH 201	Statistical Concepts and Methods	3

Elective Hours (36-39 hours)..... 36-39

BS majors must serve as a laboratory assistant for at least one lab for one semester. The student may receive course credit or pay for this at the current rate established by the College.

All chemistry majors must complete a minimum of 12 semester hours of 300 and/or 400 level chemistry courses at Carson-Newman College. All majors must have a minimum GPA of 2.0 in each chemistry course counted toward the major at Carson-Newman. A maximum of 6 hours research (CHEM 491-494) may be counted toward a degree in chemistry.

AP credit. To obtain AP credit for CHEM 103 and 104, students must score 4 or 5 on the AP exam and serve at least once as a teaching assistant for the lab portions of both CHEM 103 and 104 (cannot receive pay or credit for CHEM 300).

Teacher licensure. Those interested in teaching chemistry in the secondary schools must meet requirements of the teacher education program.

Communication

Sheridan Barker, Kyle Biery, Mark Borchert, Glenn Cragwall, Chip Hall

Majors

Communication Studies

Emphasis in Advertising/Public Relations

Emphasis in Media Studies

Emphasis in Speech

Theatre

Minors

Communication Studies

Theatre

The communication program is located on the main floor of Henderson Humanities Building. The department's facilities include the Digital Café: A Center for Digital Storytelling, a Mac-based media convergence laboratory and the CNTV studios, both located on the 4th floor of the Stephens-Burnett Library. Majors have several opportunities for practical experience within the department. Communication Studies students program and

56 Communication

produce for a variety of video and online productions; serve as staff members on the **Orange and Blue**, the campus newspaper; produce campaigns for non-profit organizations; and participate in tournaments with the forensics team. Theatre students present two major productions a year in Gentry Auditorium and several smaller productions in Phoenix Theatre each semester.

Communication Studies and Theatre majors, as well as non-majors, are eligible for membership in Alpha Psi Omega, the national honorary drama fraternity; the Society for Collegiate Journalists; and Pi Kappa Delta, a national honorary society for speech and debate.

The Department of Communication is divided into two major areas: Communication Studies and Theatre.

The communication studies major is divided into three emphasis areas: advertising/public relations, media studies, and speech. Thirty six hours are required for these areas.

The theatre major requires forty hours.

Eighteen hours are required for a minor in theatre or communication studies.

The communication studies and theatre majors require six hours of the same foreign language at the 100 level or higher.

For a major in Communication Studies, a student must complete the Liberal Arts core, the Communication Studies core and the required courses from an emphasis area.

Liberal Arts Requirements (44-45 hours)

Liberal Arts (2 hours)

Liberal Arts 101 2-3

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 (as listed in major hours below)

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 2073

Laboratory Science6

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3

Child and Family Studies, Psychology, or Sociology3

Studies to Enhance a World Perspective (18 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

History 133, 134, or 1353

Foreign Language (in sequence at appropriate level)6

Senior Capstone Course (as listed in major hours below)

Communication 457

Communication Studies Core (18 hours)

COMM 123 Introduction to Communication Writing.....3

COMM 135 Speech Fundamentals.....3

COMM 208 Introduction to Digital Media3

COMM 322 Mass Media3

COMM 404 Communication Law and Ethics3

COMM 457 Senior Communication Studies Theory/Research Seminar (Capstone Course) ..3

Emphasis Area Requirements

Advertising/Public Relations Emphasis (18 hours)

COMM 201 Strategic Communication Techniques/Skills3

COMM 323 Public Relations3

COMM 421 Advertising.....3

COMM 424 Persuasion3

COMM 425 Organizational Communication3

COMM 427 Campaign Strategies3

Elective Hours (47-48 hours)..... 47-48

NOTE: ART 113, Computer Graphics, is encouraged for Communication Studies majors with advertising/public relations emphasis.

Media Studies Emphasis (18 hours)

COMM 209	Video Production	3
COMM 304	Advanced Production	3
COMM 305	Digital Storytelling.....	3
COMM 325	News Writing and Reporting	3
COMM 327	Media in a Changing World	3
COMM 250	Media, Religion, and Ministry	3
or COMM 324	Religious Journalism	3

Elective Hours (47-48 hours)..... 47-48

Speech Emphasis (18 hours)

COMM 230	Interpersonal Communication.....	3
COMM 424	Persuasion	3
COMM 433	Small Group Communication	3
COMM 436	Advanced Public Speaking	3
COMM Electives	.....	6

Elective Hours (47-48 hours)..... 47-48

Communication Studies Minor Requirements (18 hours)

COMM 123	Introduction to Media Writing	3
COMM 322	Mass Media.....	3
COMM 404	Media Law and Ethics	3
COMM Electives	.....	9

Elective Hours (47-48 hours)..... 47-48

NOTE: Major requirements in one major within the Department of Communication may not count toward the other major in the department.

For a major in Theatre, a student must complete the Liberal Arts core and the required courses for the Theatre major.

Liberal Arts Requirements (44-45 hours)

Liberal Arts (2 hours)

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)

Religion 101, 102.....	6
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Studies in Communications (6 hours)

English 101	3
Communication 135 or 230	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 207	3
Laboratory Science	6

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science	3
Child and Family Studies, Psychology, or Sociology.....	3

Studies to Enhance a World Perspective (12 hours)

English 201, 301	6
TH 110 (as listed in major hours below)	
History 133, 134, or 135	3
Foreign Language (in sequence at appropriate level).....	6

Senior Capstone Course (as listed in major hours below)

Theatre 419, 420	
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Theatre Major Requirements (40 hours)

TH 110	Introduction to Theatre.....	3
TH 214	Basic Acting	3
TH 218	Scenery Construction and Lighting	3
TH 219	Costume Construction and Makeup.....	3
TH 310	Play Direction	3
TH 321	Scenography.....	3

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TH 410	Production Development	3
TH 419	Senior Theatre Research/Project I (Capstone Course).....	1
TH 420	Senior Theatre Research/Project II (Capstone Course)	2
TH 101A	Theatre Practicum	2
TH 301A	Theatre Practicum	2
TH Electives	.....	6*
ENG 342	Studies in Drama.....	3
ENG 423	Shakespeare.....	3

Elective Hours (43-44 hours)..... 43-44

*MUS 030, Lyric Theatre; COMM/FILM 208, Introduction to Digital Media; COMM 337, Oral Interpretation of Literature; PE 009A, Fencing; PE 048A, Judo; and PE 303, Rhythmic Movement Education may count as Theatre electives for the major. (Not more than 3 hours combined from PE 009A and PE 048A may count towards the major.)

Theatre Minor Requirements (18 hours)

TH 110	Introduction to Theatre.....	3
TH 214	Basic Acting	3
TH 218	Scenery Construction and Lighting	
or TH 219	Costume Construction and Makeup	3
TH Electives	.....	9**

**ENG 342, Studies in Drama; ENG 423, Shakespeare; ART 381, Lyric theatre Design; MUS 030, Lyric Theatre; COMM/FILM 208, Introduction to Digital Media; COMM 337, Oral Interpretation of Literature; PE 009A, Fencing; PE 048A, Judo; and PE 303, Rhythmic Movement Education may count as Theatre electives for the minor. (Not more than 3 hours combined from PE 009A and PE 048A may count towards the minor.)

Teacher Licensure - Students planning to teach Theatre must also meet the requirements of the teacher education program as approved by the Tennessee Department of Education.

Education

Lesla Baker, Kimberly Hawkins, Margaret (Peggy) Hypes, Sandy Long, Karen Milligan, Julia Price, Mark Taylor, Sharon Teets, Earnest Walker, Teacher Education Admissions and Services Advisor Laura Andon

Majors

Bachelor of Arts

Liberal Studies

Liberal Studies with Elementary Education (K-6)

Liberal Studies with Middle Grades Education (4-8)

Majors

Bachelor of Science

Human Exceptionalities

Special Education

The Teacher Education Program of Carson-Newman College is being constantly refined to meet the State of Tennessee's new licensure requirements for teachers. As a result, there may be changes in the course offerings and in the program requirements for students preparing to become teachers. Interested students should stay in contact with the Department of Education, via the College website and e-mail, to be aware of any changes that may affect them.

Accreditation

Carson-Newman is accredited by the National Council for Accreditation of Teacher Education (NCATE), and its teacher licensure programs are approved by the Tennessee State Board of Education. Satisfactory completion of the Teacher Education Program with an approved subject area fulfills Tennessee licensure requirements and those of most other states. Any student desiring licensure in other states should check the licensure requirements of those particular states. Carson-Newman Teacher Education Program graduates have a 100% pass rate on PRAXIS II Exams (2010-11 year).

Facilities

The Department of Education is located on the first level of Stokely Memorial. Its facilities include the Cole-Little Curriculum Laboratory, containing elementary and secondary textbooks required by the Tennessee Department of Education as well as the Lynn Alexander Children's

Literature Collection, and the Morgan Computer Laboratory. Nine of the classrooms in Stokely are also equipped with interactive white boards, and the wireless network is available throughout the department for student use. Majors in teacher education programs complete a semester of student teaching during the senior year, in addition to practica during their college career. Students may join the Collegiate Association of Professional Educators, the Student National Education Association, and Best Buddies. Students are required to join a professional organization that provides liability insurance when they are enrolled in a course that requires a practicum experience. Specific details concerning teacher education programs can be found on The Department of Teacher Education web site at www.cn.edu and on EagleNet. Students with appropriate grade point averages are eligible for affiliate membership in Kappa Delta Pi.

Teacher Education Council

The Teacher Education Council is an advisory group made up of sub-groups of students, faculty, and community representatives from P-12 schools and the private sector. These groups provide leadership in developing and evaluating curricula, programs, and policies for the education unit.

Graduate Studies

In keeping with the tradition of excellence in education, Carson-Newman offers two graduate degrees in education (MEd and MAT). The Master of Education degree offers a major in curriculum and instruction, educational leadership, and reading specialist. The Master of Arts in Teaching degree offers majors in curriculum and instruction, English as a Second Language (ESL), and Chinese as a Second Language.

Transfer students

Transfer students in liberal studies with elementary education may not substitute coursework from two-year institutions for 400 level courses. Transfer students should contact the Teacher Education Admissions and Services Advisor, Stokely Memorial, at 865-471-3444 to ensure completion of appropriate requirements.

Licensure Areas and Requirements

K-12 areas: Visual Arts, Music: Instrumental, Music: Vocal/General, Physical Education, Special Education: Comprehensive, and Special Education: Modified.

Early Childhood Education: Preschool through Grade 3

Liberal Studies with Elementary Education (K-6): See Liberal Studies major.

Liberal Studies with Middle Grades Education (4-8): See Liberal Studies major.

Secondary Education (7-12): Business Education, Biology, Chemistry, English, Foreign Language: French, Foreign Language: Spanish, Mathematics, Physics, Social Studies: Government, Social Studies: History, Social Studies: Psychology (9-12), Theatre, and Family and Consumer Sciences Education (5-12).

General Requirements and Recommendations for Licensure

Students will be recommended for licensure in their chosen fields to the Tennessee State Department of Education after being admitted to the Teacher Education Program, completing required courses, passing required Praxis II exams, and completing a semester of student teaching. All students are required to complete practicum and student teaching experiences. Because diversity of experience is critical to the student's preparation, students may have some input into the selection of the sites for practicum and student teaching experiences, but the final decision for placement rests with the Department of Teacher Education.

Admission to Teacher Education Program, Student Teaching, and Graduation and Licensure

Requirements for admission to the Teacher Education Program, student teaching, and graduation and licensure are published in the current edition of the Teacher Education Handbook. The handbook is available on EagleNet by selecting Academic and Education. Because the Tennessee Department of Education changes requirements, it is the student's responsibility to regularly check the Teacher Education Handbook for admission requirements.

Appeals Procedures

Students who wish to appeal admission requirements, either to the Teacher Education Program or to the student teaching semester, must follow the procedures outlined in The Department of Teacher Education Handbook.

Curricula for Liberal Studies Majors

For a BA with a major in liberal studies (without licensure), a student must complete the Liberal Arts Core Requirement (48 hours). A student must receive 6 hours in the same foreign language at either the 100 or 200 level based on the results of the placement exam. In addition to the required courses (44 hours), students must also complete a minor or second major:

Liberal Arts Requirements – (47-48 total hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 101	3
Communication 135 or 230	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 207	3
Laboratory Science	6

Studies in Personal/Social Awareness (6-7 hours)

Economics, History, Philosophy, or Political Science	3
Child and Family Studies, Psychology, or Sociology	3-4

Studies to Enhance a World Perspective (18 hours)

English 201, 301	6
ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....	3
History 133, 134, or 135	3
Foreign Language (in sequence at appropriate level)	6

Senior Capstone Course (as listed in major hours below)

Education 461	
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Liberal Studies Major (non-licensure) (44 hours)

ECON 204 Economic Concepts	3
or ECON 210 Principles of Microeconomics	
EDUC 314 Literacy Development through Language Arts.....	3
EDUC 341 Curriculum, Instruction, and Management of the K-6 Classroom.....	3
EDUC 414 Reading Instruction and Assessment	4
EDUC 461 Liberal Arts Education Capstone Seminar	1
ENG 204 Literature for Children and Youth.....	3
GEOG 201 World Regional Geography I.....	3
or GEOG 202 World Regional Geography II	
GEOG 201 Introduction to Physical Geology	3
HIST 201 United States History I.....	3
or HIST 202 United States History II	
MATH 106 Basic Concepts II	3
MATH 201 Statistical Concepts and Methods	3
MUS 341 School Music: K-6.....	3
or ART 308 Art Methods for Elementary Teachers	
PE 302 Teaching Health and Physical Education K-5.....	3
PHYS 102 Basic Physics and Astronomy	3
SPED 318 Techniques for the Inclusion of Diverse Learners	3

Elective Hours (36-37 hours)..... 36-37

For a BA with a major in liberal studies with elementary education K-6 licensure, the following requirements must be met:

Liberal Arts Requirements – (47-48 total hours)**Liberal Arts (2 hours)**

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)

Religion 101, 102.....	6
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Studies in Communications (6 hours)

English 101*	3
Communication 135* or 230*	3

Studies in Mathematics and Science (9 hours)

Mathematics 105.....	3
Biology 101.....	3
Chemistry 100 or Biology 102.....	3

Studies in Personal/Social Awareness (6-7 hours)

Political Science 101 or 102	3
Psychology 204 or 206 or Child and Family Studies 206	3-4

Studies to Enhance a World Perspective (18 hours)

English 201*, 301	6
History 133, 134, or 135	3
English 310, Music 133, Art 210, Theatre 110, or Music Ensembles.....	3
Foreign Language (in sequence at appropriate level)	6

Senior Capstone Course (as listed in major hours below)

Education 461	
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Liberal Studies Major (Elementary Education K-6 Licensure) – (43 total hours)

ECON 204*	Economic Concepts	3
	or ECON 210*Principles of Microeconomics	
EDUC 314*	Literacy Development through Language Arts.....	3
EDUC 341*	Curriculum, Instruction, and Management of the K-6 Classroom.....	3
EDUC 414*	Reading Instruction and Assessment	4
ENG 204*	Literature for Children and Youth	3
GEOG 201*	World Regional Geography I.....	3
	or GEOG 202*World Regional Geography II	
GEOL 101*	Introduction to Physical Geology	3
HIST 201*	United States History I.....	3
	or HIST 202* United States History II	
MATH 106*	Basic Concepts II.....	3
MATH 201*	Statistical Concepts and Methods	3
MUS 341*	School Music K-6	3
	or ART 308* Art Methods for Elementary Teachers	
PE 302*	Teaching Health and Physical Education K-5.....	3
PHYS 102*	Basic Physics and Astronomy	3
SPED 318*	Techniques for the Inclusion of Diverse Learners	3

Professional Education – (36 total hours).

EDUC 203*	Foundations of Education	3
EDUC 204*	Educational Technology.....	3
EDUC 350*	Diversity in Schools, Homes, and Communities	2
EDUC 403*	Assessment and Evaluations	3
EDUC 440*	K-6 Mathematics Methods.....	3
EDUC 444*	K-6 Science Methods.....	3
EDUC 449*	K-6 Social Studies Methods.....	3
EDUC 461	Liberal Arts Education Capstone Seminar	1
SPED 313*	Survey of Persons with Exceptionalities.....	3
EDUC 463*	Seminar in Student Teaching	2
EDUC 465*	Student Teaching: Placement One	5
EDUC 467*	Student Teaching: Placement Two	5

Elective Hours (1-2 hours) 1-2

* Students must make a grade of “C” or better in the course.

For a BA with a major in liberal studies with middle grades (4-8) education licensure, the following requirements must be met:

Liberal Arts Requirements – 47-48 hours**Liberal Arts (2 hours)**

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)

Religion 101, 102.....	6
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Studies in Communications (6 hours)

English 101*	3
Communication 135* or 230*	3

Studies in Mathematics and Science (9 hours)

Mathematics 105.....	3
Biology 101.....	3
Biology 102 or Chemistry 100.....	3

Studies in Personal/Social Awareness (6-7 hours)

Political Science 101 or 102	3
Psychology 204 or 206 or Child and Family Studies 206	3-4

Studies to Enhance a World Perspective (18 hours)

English 201*, 301	6
History 133, 134, or 135	3
English 310, Music 133, Art 210, Theatre 110, or Music Ensembles.....	3
Foreign Language (in sequence at appropriate level)	6

Senior Capstone Course (as listed in major hours below)

Education 461	
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Liberal Studies Major (Middle Grades 4-8) - (36 total hours)

ECON 204*	Economic Concepts	3
	or ECON 210*Principles of Microeconomics	
EDUC 342*	Curriculum, Instruction, and Management of the Middle Grades Classroom	3
EDUC 350*	Diversity in Schools, Homes, and Communities	2
ENG 204*	Literature for Children and Youth	3
HIST 201*	United States History I	3
	or HIST 202* United States History II	
GEOG 201*	World Regional Geography I	3
	or GEOG 202*World Regional Geography II	
GEOG 101 *	Introduction to Physical Geology	3
MATH 106*	Basic Concepts II	3
MATH 125*	Precalculus	4
MATH 201*	Statistical Concepts and Methods	3
PHYS 102*	Basic Physics and Astronomy	3
SPED 318*	Techniques for the Inclusion of Diverse Learners	3

Professional Education - (36 total hours)

EDUC 203*	Foundations of Education	3
EDUC 204*	Educational Technology	2
EDUC 403*	Assessment and Evaluations	3
EDUC 445*	Middle Grades Mathematics Methods	3
EDUC 446*	Middle Grades Science Methods	3
EDUC 447*	Middle Grades Literacy Methods	3
EDUC 448*	Middle Grades Social Studies Methods	3
EDUC 461*	Liberal Arts Education Capstone Seminar	1
SPED 313*	Survey of Persons with Exceptionalities	3
EDUC 463*	Seminar in Student Teaching	2
EDUC 465*	Student Teaching: Placement One	5
EDUC 467*	Student Teaching: Placement Two	5

Elective Hours (8-9 hours) 8-9

* Student must make a grade of C or better in the course.

Curricula for Special Education Majors

For a BS with a major in special education, a student must meet the following requirements:

Liberal Arts Requirements (42 hours)**Liberal Arts (2 hours)**

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)

Religion 101, 102	6
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Studies in Communications (6 hours)

English 101*	3
Communication 135* or 230*	3

Studies in Mathematics and Science (10 hours)

Mathematics 201	4
Biology 101 or 102	3
Laboratory science	3

Studies in Personal/Social Awareness (6 hours)

History 201 or 202	3
Psychology 102	3

Studies to Enhance a World Perspective (12 hours)

English 201*, 301	6
History 133 or 134 or 135	3
Art 210	3

Senior Capstone Course (as listed in major hours below)

Education 461	
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Special Education Major (49 hours)

Core (31 hours)

EDUC 314*	Literacy Development through Language Arts.....	3
EDUC 341*	Curriculum, Instruction, and Management of the K-6 Classroom.....	3
HLTH 203*	First Aid and Safety Education	3
MUS 341*	School Music: K-6.....	3
PSY 206*	Human Development Through the Lifespan.....	4
or CFS 206*	Human Development Through the Lifespan	
SPED 201*	American Sign Language I	3
SPED 311*	American Sign Language II.....	3
SPED 312*	Transition and Vocation Education	3
SPED 313*	Survey of Persons with Exceptionalities.....	3
SPED 315*	Language Development	3

Modified (12 hours)

SPED 408*	Gifted and Talented Learners.....	3
SPED 409*	Methods and Materials for Gifted and Talented	3
SPED 415*	Strategies and Programs for Students with Mild/Moderate Disabilities.....	3
SPED 416*	Characteristics/Needs of Mildly/Moderately Disabled.....	3

Comprehensive (6 hours)

SPED 417*	Characteristics/Needs of Low Incidence Disabilities	3
SPED 418*	Strategies/Programs for Students with Low Incidence Disabilities.....	3

Content Electives (8 hours)* 8**Professional Education Requirements (29 hours)**

EDUC 203*	Foundations of Education	3
EDUC 204*	Educational Technology.....	3
EDUC 414*	Reading Instruction and Assessment	4
EDUC 461	Liberal Arts Education Capstone Seminar	1
SPED 318*	Techniques for the Inclusion of Diverse Learners	3
SPED 404*	Assessment and Diagnosis of Persons with Exceptionalities	3
SPED 463*	Seminar in Student Teaching	2
SPED 465*	Student Teaching: Placement One	5
SPED 467*	Student Teaching: Placement Two	5

*Student must make a grade of C or better in the course.

Curricula for Human Exceptionalities Majors

The Human Exceptionalities major has been developed to offer a program to students interested in working with persons with disabilities in settings other than K-12 schools. A variety of community agencies offer services to persons with disabilities. Some of these include adult service agencies (both day programs and home/residential settings), vocational rehabilitation agencies and hospital treatment/institutional settings.

For a BS with a major in Human Exceptionalities, students must complete the following curriculum:

Liberal Arts Requirements (41 hours)**Liberal Arts (2 hours)**

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)

Religion 101, 102.....	6
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Studies in Communications (6 hours)

English 101	3
Communication 135 or 230	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 207	3
Laboratory Science	6

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science	3
Child and Family Studies, Psychology, or Sociology.....	3

Studies to Enhance a World Perspective (12 hours)

English 201, 301	6
ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....	3
History 133, 134, or 135	3

Senior Capstone Course (as listed in major hours below)

Education 461

Human Exceptionalities Major (44 hours)

HLTH 203	First Aid and Safety Education	3
MUS 341	School Music: K-6	3
PSY 206	Human Development Through the Lifespan.....	4
or CFS 206	Human Development Through the Lifespan	3
EDUC 314	Literacy Development through Language Arts.....	3
EDUC 341	Curriculum, Instruction, and Management of the K-6 Classroom.....	3
EDUC 461	Liberal Arts Education Capstone Seminar	1
SPED 201	American Sign Language I	3
SPED 311	American Sign Language II	3
SPED 312	Transition and Vocation Education	3
SPED 313	Survey of Persons with Exceptionalities.....	3
SPED 315	Language Development	3
SPED 318	Strategies/Programs for Students with Low Incidence Disabilities.....	3
SPED 408	Gifted and Talented Learners.....	3
SPED 416	Characteristics/Needs of Mildly/Moderately Disabled.....	3
SPED 417	Characteristics/Needs of Low Incidence Disabilities	3

Elective Hours (43 hours)43

Curricula for Education Minor

Required Core (6 hours):

EDUC 203	Foundations of Education	3
SPED 313	Survey of Persons with Exceptionalities.....	3

Choose 12 hours from the following:

EDUC 204	Educational Technology.....	3
EDUC 314	Literacy Development through Language Arts.....	3
EDUC 341	Curriculum, Instruction, and Management of the K-6 Classroom.....	3
EDUC 342	Curriculum, Instruction, and Management of the Middle Grades Classroom.....	3
EDUC 350	Diversity in Schools, Homes, and Communities	2
EDUC 403	Assessment and Evaluation.....	3

Students who have been admitted to the Teacher Education Program may also choose from the following courses toward completion of the minor:

EDUC 414	Reading Instruction and Assessment	4
EDUC 421	Teaching History and Social Studies	3
EDUC 422	Teaching English, Literature, and Theatre	3
EDUC 423	Teaching in the Natural Sciences	3
EDUC 424	Teaching Mathematics in the Secondary Schools.....	3
EDUC 425	Teaching Business Education.....	3
EDUC 434	Teaching Modern and Classical Languages.....	3
EDUC 440	K-6 Mathematics Methods.....	3
EDUC 444	K-6 Science Methods	3
EDUC 449	K-6 Social Studies Methods.....	3
EDUC 465	Student Teaching: Placement One	5
EDUC 467	Student Teaching: Placement Two	5

Total Hours 18**Curricula for Early Childhood, Secondary, and K-12 Licensure Programs**

Those students who desire licensure in Business Education, Biology, Chemistry, English, History, Mathematics, Music, Physics, Political Science, Physical Education, Psychology (9-12), Spanish, Theatre, Visual Arts, and Vocational Home Economics (5-12) should consult the synopsis sheets for their licensure area. Synopsis sheets are available through their respective departments, the Teacher Education section of the Carson-Newman College web site, and the Teacher Education Admissions and Services Advisor in the Department of Teacher Education. Early Childhood and Special Education majors should consult the curricula described in synopsis sheets or in the appropriate section of the College catalog.

English

Victoria Barker, Shannon Carpenter Collins, Jennifer Hall, Ernest Lee, Shawn O’Hare, Susan O’Dell Underwood, Kip Wheeler, Bethany White

Major

English

Emphasis in Creative Writing
Emphasis in Literature

Minor

English

Interdisciplinary minors (See descriptions under Majors, Emphases, Minors, Programs.)

Appalachian Studies
Environment and Community
Film
Women’s Studies

The Department of English is located on the third floor of Henderson Humanities Building.

Majors are eligible for membership in Sigma Tau Delta, the English honor society. *Ampersand*, a journal for student writing, and *Nua: Studies in Contemporary Irish Writing* are published by the Department of English.

Students earning an English major must demonstrate competency in a modern foreign language at the sophomore (201/202) level or achieve equivalent credit through placement tests.

All English majors are required to take 36 hours in English, including 24 hours General Requirements and 12 hours from an emphasis area. English 101, 201 and 301 do not count as hours toward the major requirement.

Liberal Arts Requirements (47-48 hours)

Liberal Arts (2 hours)

Liberal Arts 101 2-3

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 2073

Laboratory Science6

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3

Child and Family Studies, Psychology, or Sociology.....3

Studies to Enhance a World Perspective (12 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

History 133, 134, or 1353

Foreign Language (modern foreign language at the 200-level or equivalent).....6

Senior Capstone Course (as listed in major hours below)

English 460

General Requirements — 24 hours including the following:

ENG 305 Literary Criticism and Theory.....3

ENG 328 Advanced Composition, Grammar, and Language Studies3

ENG 360 American Literature I.....3

ENG 360 American Literature II3

ENG 362 British Literature I3

ENG 363 British Literature II3

ENG 423 Shakespeare.....3

ENG 460 English Seminar3

Emphasis in Literature — 12 hours including the following:

Three hours from:

ENG 450	Major Authors of American Literature	3
ENG 451	Major Authors of British Literature	3

Three hours from:

ENG 340	Studies in the Novel	3
ENG 341	Studies in the Short Story	3
ENG 342	Studies in Drama	3
ENG 343	Studies in Poetry	3
ENG 344	Studies in American Film Genres	3

Three hours from:

ENG 440	Topics in Women Writers	3
ENG 441	Topics in Film	3
ENG 442	Topics in Appalachian Literature	3
ENG 443	Topics in Ethnic Literature.....	3
ENG 444	Topics in Gender	3
ENG 445	Topics in Southern Literature.....	3
ENG 446	Topics in Naturalist and Environmental Literature.....	3
ENG 447	Topics in Southern Women Writers	3

Three ENG elective hours (excluding ENG 300 and 465)3

Electives Hours (44-45 hours) 44-45

Emphasis in Creative Writing — 12 hours including the following:

ENG 321	Creative Writing: Poetry	3
ENG 323	Creative Writing: Short Story	3
ENG 327	Seminar in Creative Writing	3

Three hours from:

ENG 340	Studies in the Novel	3
ENG 341	Studies in the Short Story	3
ENG 342	Studies in Drama.....	3
ENG 343	Studies in Poetry	3

Elective Hours (44-45 hours)..... 44-45

English Minor — 18 hours beyond ENG 101, 201, and 301, including the following:

ENG 360	American Literature I.....	3
ENG 361	American Literature II	3
ENG 362	British Literature I.....	3
ENG 363	British Literature II	3
ENG 423	Shakespeare.....	3
Three ENG elective hours (excluding ENG 300 and 465)		3

Teacher Licensure: Students planning to teach English in the secondary schools must complete requirements specified by the Department of Teacher Education.

NOTE: Students with low ACT scores in English will be required to complete a course in basic writing skills (ASE 031) prior to enrolling in ENG 101.

The Liberal Arts Core requirement can be met by: (1) completing ENG 101 and 201 or (2) taking the CEEB exam: a score of 4 or 5 on the CEEB entitles a student to credit for ENG 101 or (3) taking the CLEP exam: must pass both the essay and the objective sections of the Subject exams entitled Freshman English to receive credit for ENG 101. The Department of English will evaluate the CLEP exams for appropriate credit.

English Language Institute (ELI) Program

Director Jane Busdeker

The English Language Institute at Carson-Newman College offers an intensive English as a Second Language program for international students wishing to improve their English language skills to the level needed to enter colleges and universities in the United States. Students

enrolled in the English Language Institute have 25 contact hours per week of formal instruction in the four skill areas: reading, writing, speaking, listening, as well as grammar and computer instruction. Graduates of the ELI who achieve a sufficient score on the standardized exam, receive approval of their writing sample from the Carson-Newman Department of English and successfully complete 6 semester hours at Carson-Newman with a grade of C or better, can receive 12 hours in ESL (English as a Second Language) to be used as foreign language credit. Students do not receive undergraduate course credit for ELI courses.

Students are allowed to be simultaneously enrolled in Carson-Newman classes while attending the English Language Institute. Level I students are allowed to take 1 credit hour and Level II, III, and IV students are allowed 4 credit hours at Carson-Newman.

Level IV students may take up to 6 undergraduate hours in the College, concurrent with enrollment in the ELI, providing that total credit hours do not exceed 17. The student will pay the College, at the hourly rate, for each undergraduate semester hour above four in which the student is enrolled. The classes taken must be recommended by the ELI director, and they must not conflict with the ELI class schedule. Credit hours and grades are used in determining athletic eligibility when required by the College to be taken.

English Mini-Terms

Three times a year the English Language Institute may offer a month-long intensive English program for international students. The program will consist of 20 hours per week of intensive English studies along with an emphasis on learning about American culture through classroom activities, field trips, and interaction with American students and families. A participation minimum of ten students will be required for the program. Students will be required to complete an application form, send a \$50 application fee, and provide evidence of financial support prior to receiving an I-20. Cost for the term is \$2,200 per student. This includes program fees, housing, meals, textbooks, and health insurance. Airfare and other incidental expenses are not included in the cost. Dates for 2012-13 programs are January 14-February 13 (session I), March 4-April (session II), and June 24-July 24 (session III). Contact the Director of the ELI for additional information.

English for Specific Purposes Programs

Special English programs that include internships and observations in local medical institutions, business settings, and educational settings are scheduled as requested by international partner institutions. Contact the Center for Global Education for additional information.

Exercise Science

Michael Shipe

Major

Exercise Science

Exercise Science is the study of physiological and functional adaptations to regular physical activity concerning untrained, athletic and special populations. Students may choose from two emphases within the major: a professional emphasis and wellness/fitness emphasis. The professional emphasis prepares students for further graduate study and who want to work in a clinical setting. The wellness/fitness emphasis is designed to prepare students to work in commercial, corporate and private based fitness programs. A minimum cumulative grade point average of 2.5 is required to maintain eligibility as an exercise science major.

For a BS degree in **Exercise Science**, the student must complete the following requirements:

Liberal Arts Requirements (43 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (11 hours)

Mathematics 1203

Biology 207*4

Chemistry 1034

Studies in Personal/Social Awareness (6 hours)

Philosophy.....3

Psychology3

Studies to Enhance a World Perspective (12 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

World History3

Senior Capstone Course (as listed in major hours below)

Exercise Science 401

*Students must make a grade of “C” or better in courses marked with an asterisk.

Major Requirements (33 hours)

EXSC 104*	Introduction for Exercise Science	2
EXSC 215*	Fitness Appraisal and Prescription.....	3
EXSC 216*	Practicum in Exercise Science I.....	1
EXSC 312*	Fitness and Rehabilitation for Special Populations	3
EXSC 316*	Practicum in Exercise Science II	1
EXSC 345*	Dynamics of Strength Training.....	3
EXSC 401*	Senior Seminar.....	4
EXSC 440*	Physical Activity Epidemiology	3
EXSC 469*	Exercise Science Internship	6
BIOL 407*	Applied Kinesiology	4
PE 402*	Human Motor Learning and Performance	3

Students must choose one of the following two emphases:

Professional Emphasis Requirements (35 hours)

BIOL 208*	Human Anatomy and Physiology II.....	4
BIOL 403*	Physiology of Exercise	4
CHEM 104	General Chemistry II.....	4
FN 214	Science of Nutrition	3
HLTH 202	Wellness: A Lifetime Objective	3
HLTH 203	First Aid and Safety Education	3
MATH 201	Statistical Concepts and Methods	3
NURS 203	Pharmacology	3
PHYS 103	General Physics I	4
PHYS 104	General Physics II.....	4

Elective Hours (17 hours)17

Wellness/Fitness Emphasis Requirements (24 hours)

BIOL 208	Human Anatomy and Physiology II.....	4
BIOL 403	Physiology of Exercise	4
FN 214	Science of Nutrition	3
HLTH 202	Wellness: A Lifetime Objective	3
HLTH 203	First Aid and Safety Education	3
MATH 201	Statistical Concepts and Methods	3
PHYS 103	General Physics I	4

Elective Hours (28 hours)28

Family and Consumer Sciences

Catherine N. Bush, Diana D. Carroll, Kitty R. Coffey, Stephen M. Huff, Kimberly A. Johnson, Heather M. Whaley

Accreditation

The Carson-Newman Department of Family and Consumer Sciences is accredited by the American Association of Family and Consumer Sciences (AAFCS) Council for Accreditation. The Didactic Program in Dietetics is accredited by the Academy of Nutrition and Dietetics (AND), and the early childhood education (ACEND).

The family and consumer sciences teacher education programs are approved by the Tennessee State Department of Education and accredited by the National Council for Accreditation of Teacher Education (NCATE).

Majors

Child and Family Studies

Emphasis in early childhood education preK-3 licensure

Family and Consumer Sciences Education (family and consumer sciences education [5-12] teacher licensure)

Consumer Services

Emphasis in interior design

Emphasis in fashion merchandising and design

Foods, Nutrition, and Dietetics

Relocated to new Blye-Poteat Hall, the Department of Family and Consumer Sciences has expanded, state-of-the-art laboratories and classroom facilities for consumer services - interior design and fashion merchandising and design; foods, nutrition, and dietetics; career and technical education; and child and family studies. In a nearby facility is the new Child Development Laboratory (CDL) with a 4-year-old classroom, playground, and conference rooms for staff, parents, and student teachers.

All areas of study within the department include a senior internship program for application of college concepts and training. Family and consumer sciences majors, except those in early childhood education, complete a one-semester cooperative learning experience at the cooperative management laboratory, Duncan Hall, located on Russell Street.

Family and consumer sciences majors may join the Carson-Newman student member section of the American Association of Family and Consumer Sciences, the Student Design Association, the Student Dietetic Association, the Student Association for the Education of Young Children, the Student Association on Consumer Interests, and may be eligible for membership in Kappa Omicron Nu, the national scholastic honor society.

Teacher Licensure: Students wishing to receive licensure in early childhood education (PreK-3) or family and consumer sciences education (grades 5-12) must be a major and meet the requirements of the Department of Teacher Education. Because the Tennessee Department of Education changes requirements, it is the student's responsibility to regularly check the Teacher Education Handbook for admission requirements.

Family and Consumer Sciences Core (18 hours)

CS 135	Personal and Family Management.....	3
CFS 206	Human Development through the Lifespan.....	4
CFS 301	Family Relationships.....	3
FCS 121	Professional Orientation.....	1
FCS 421	Senior Seminar.....	1
FMD 141	Design, Culture, and the Near Environment.....	3
FN 210	Basic Nutrition	
or FN 214	Science of Nutrition.....	3

Completion of the **liberal arts core**, the **family and consumer sciences core** and **specialization** courses for a major with designated courses from supporting disciplines, along with general electives sufficient to total 128 hours leads to the BS degree.

For a BS with a major in **child and family studies**, a student must complete courses in the family and consumer sciences core and the following:

Liberal Arts Requirements (42 hours)

Liberal Arts (2 hours)

Liberal Arts 101.....2

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 101.....3

Communication 135 or 230.....3

Studies in Mathematics and Science (9 hours)

Mathematics 105.....3

Biology 102 or Chemistry 100 or Physics 102.....6

Studies in Personal/Social Awareness (7 hours)

Child and Family Studies 206.....4

History 201 or 202 or Political Science 101 or 102 or 202 (honors).....3

Studies to Enhance a World Perspective (12 hours)

English 201, 301.....6

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

History 133, 134, or 135.....3

Senior Capstone Course (as listed in FCS core hours)

Family and Consumer Sciences 421

Child and Family Studies Requirements (38 hours)

CFS 207	Infancy and Early Childhood	3
CFS 304	Parenting	3
CFS 305	Family Sciences	3
CFS 407	Current Topics in Child and Family Studies	3
CFS 414	Programs for Young Children I: Creativity and Expression	3
CFS 427	Methods of Teaching Child and Family Studies	1
CFS 465	Internship in Child and Family Studies	3
CS 333	Public Policy and the Family	3
CS 338	Personal and Family Finance	3
CS 432	Cooperative Management	4
FCSE 424	Methods of Teaching Family and Consumer Sciences Education	2
FN 310	Principles of Food Preparation and Meal Management.....	4
PSY 421	Human Sexuality.....	3

Elective Hours (30 hours)30

For **early childhood education teacher licensure (PreK-3)**, a student must complete courses in the family and consumer sciences core and the following:

Liberal Arts Requirements (42 hours)

Liberal Arts (2 hours)

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)

Religion 101, 102.....	6
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Studies in Communications (6 hours)

English 101	3
Communication 135 or 230	3

Studies in Mathematics and Science (9 hours)

Mathematics 105.....	3
Physics 102 and either Biology 102 or Chemistry 100	6

Studies in Personal/Social Awareness (7 hours)

Child and Family Studies 206.....	4
History 201 or 202 or Political Science 101 or 102 or 202 (honors).....	3

Studies to Enhance a World Perspective (12 hours)

English 201, 301	6
ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....	3
History 133, 134, or 135	3

Senior Capstone Course (as listed in FCS core hours)

Family and Consumer Sciences 421

Early Childhood Education Teacher Licensure Requirements (68 hours)

CFS 207	Infancy and Early Childhood	3
CFS 304	Parenting	3
CFS 305	Family Sciences	3
CFS 404	Administration of Programs for Young Children.....	3
CFS 407	Current Topics in child and Family Studies.....	3
CFS 414	Programs for Young Children I: Creativity and Expression	3
CFS 415	Programs for Young Children II: Discovery	3
EDUC 203	Foundations of Education	3
EDUC 204	Educational Technology.....	3
EDUC 314	Literacy Development through Language Arts.....	3
EDUC 341	Children in Elementary Schools	3
EDUC 403	Assessment and Evaluation.....	3
EDUC 414	Reading Instruction and Assessment	4
EDUC 415	Mathematics, Science, and Social Studies in the Primary Grades.....	4
EDUC 463	Seminar in Student Teaching	2
EDUC 465	Student Teaching: Placement One	5
EDUC 467	Student Teaching: Placement Two	5
ENG 204	Literature for Children and Youth.....	3
MATH 106	Basic Concepts II	3

PE 302	Teaching Health and Physical Education K-8.....	3
SPED 313	Survey of Persons with Exceptionalities.....	3
Elective Hours (18 hours)		18

For a major in **consumer services**, a student must complete the following consumer services core courses:

Consumer Services Core (23 hours)

CS 338	Personal and Family Finance	3
CS 432	Cooperative Management	4
FN 310	Principles of Food Preparation and Meal Management.....	4
INTD 247	Fundamentals of Interior Design	3
FMD 241	Textiles	3
FMD 242	Clothing Construction.....	3
FMD 348	Retailing.....	3
plus meet the requirements for the particular emphasis.		

For a BS with a major in **consumer services**, a student must complete courses in the family and consumer sciences core, the consumer services core, and the following:

Liberal Arts Requirements (42 hours)

Liberal Arts (2 hours)

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)

Religion 101, 102.....	6
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Studies in Communications (6 hours)

English 101	3
Communication 135 or 230	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level class, 201, or 207	3
Any liberal arts laboratory science class.....	6

Studies in Personal/Social Awareness (7 hours)

Child and Family Studies 206.....	4
History 201 or 202 or Political Science 101 or 102 or 202 (honors).....	3

Studies to Enhance a World Perspective (12 hours)

English 201, 301	6
ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....	3
History 133, 134, or 135	3

Senior Capstone Course (as listed in FCS core hours)

Family and Consumer Sciences 421	
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Consumer Services Requirements (33 hours)

Consumer Services

CS 333	Public Policy and the Family	3
CS 339	Financial Counseling	3
CS 467	Internship in Consumer Services	3
FMD elective	.....	3
ART 104	Photography I.....	3
or ART 113	Computer Graphics	
or COMM 123	Introduction to Communication Writing	

Business electives.....	18
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OR Business Administration minor:

ACCT 201	Principles of Financial Accounting.....	3
BAD 215	Business Information Tools	3
ECON 210	Principles of Microeconomics	3
FIN 201	Introduction to Financial Management.....	3
MGT 301	Essentials of Management and Leadership.....	3
MKT 300	Principles of Marketing	3

Elective Hours (12 hours)		12
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For a BS with a major in **consumer services, fashion merchandising and design emphasis**, a student must complete courses in the family and consumer sciences core, consumer services core, and the following:

Liberal Arts Requirements (42 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level class, 201, or 2073

Any liberal arts laboratory science class.....6

Studies in Personal/Social Awareness (7 hours)

Child and Family Studies 206.....4

Economics, History, Philosophy, Political Science liberal arts class.....3

Studies to Enhance a World Perspective (12 hours)

English 201, 3016

Art 2103

History 133, 134, or 1353

Senior Capstone Course (as listed in FCS core hours)

Family and Consumer Sciences 421

Consumer Services, Fashion Merchandising and Design Emphasis Requirements (45 hours)

Fashion Merchandising and Design

FMD 143 Fashion Industry.....3

FMD 341 Merchandising I.....3

FMD 342 Merchandising II.....3

FMD 345 Fashion History.....3

FMD 346 Apparel Design3

FMD 431 Product Development.....3

FMD 433 CAD for Apparel.....3

FMD 442 Advertising and Sales Promotion.....3

FMD 443 Visual Presentation and Store Design3

FMD 468 Internship in Fashion.....3

Business electives15

Elective Hours (23 hours)23

For a BS with a major in **consumer services, interior design emphasis**, a student must complete courses in the family and consumer sciences core, consumer services core, and the following:

Liberal Arts Requirements (42 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level class, 201, or 2073

Any liberal arts laboratory science class.....6

Studies in Personal/Social Awareness (7 hours)

Child and Family Studies 206.....4

History 201 or 202 or Political Science 101 or 102 or 202 (honors).....3

Studies to Enhance a World Perspective (12 hours)

English 201, 3016

Art 2103

History 133, 134, or 1353

Senior Capstone Course (as listed in FCS core hours)

Family and Consumer Sciences 421

Consumer Services, Interior Design Emphasis Requirements (45 hours)

INTD 246	Studio I - Architectural Drafting	3
INTD 252	Studio II - Fundamentals of Space Planning.....	3
INTD 254	Material and Finishes	3
INTD 348	Studio III - Kitchen and Bath Design	3
INTD 350	Studio IV - Residential Design	3
INTD 354	AutoCAD	3
INTD 445	History of Interiors I	3
INTD 450	Studio V - Commercial Design.....	3
INTD 455	History of Interiors II	3
INTD 459	Business Procedures in Interior Design	3
INTD 469	Internship in Interior Design	3
FMD elective		3
Art elective.....		6
Business elective.....		3

Elective Hours (23 hours)23

For a BS in **family and consumer sciences education**, a student must complete courses within the family consumer sciences core and the following:

Liberal Arts Requirements (42 hours)**Liberal Arts (2 hours)**

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)

Religion 101, 102.....	6
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Studies in Communications (6 hours)

English 101	3
Communication 135 or 230	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level class, 201, or 207	3
Biology 101 or 102 or Chemistry 100	6

Studies in Personal/Social Awareness (7 hours)

Child and Family Studies 206.....	4
Economics, History, Philosophy, or Political Science	3

Studies to Enhance a World Perspective (12 hours)

English 201, 301	6
ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....	3
History 133, 134, or 135	3

Senior Capstone Course (as listed in FCS core hours)

Family and Consumer Sciences 421	
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Family and Consumer Sciences Education Requirements (58 hours)

CFS 304	Parenting	3
CFS 305	Family Sciences	3
CS 338	Personal and Family Finance.....	3
CS 432	Cooperative Management	4
FCSE 320	Introduction to Family and Consumer Sciences Education.....	3
FCSE 424	Methods of Teaching Family and Consumer Sciences Education.....	2
FCSE 426	Methods of Teaching FCSE Practicum.....	1
FMD 241	Textiles.....	3
FMD 242	Clothing Construction.....	3
FN 310	Principles of Food Preparation and Meal Management.....	4
INTD 247	Fundamentals of Interior Design	3
EDUC 203	Foundations of Education	3
EDUC 204	Educational Technology.....	3
EDUC 350	Diversity in Schools, Homes, and Communities	2
EDUC 450	Effective Middle Grades, Secondary, and K-12 Teaching.....	3
EDUC 463	Seminar in Student Teaching	2
EDUC 465	Student Teaching: Placement One	5
EDUC 467	Student Teaching: Placement Two.....	5
SPED 313	Survey of Persons with Exceptionalities.....	3

Elective Hours (10 hours)10

74 Family and Consumer Sciences

For a BS with a major in **foods, nutrition, and dietetics and requirements for the CADE accredited Didactic Program in Dietetics**, a student must complete courses within the family and consumer sciences core and the following:

Liberal Arts Requirements (42 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (12 hours)

Mathematics 2014

Biology 207 and 208.....8

Studies in Personal/Social Awareness (7 hours)

Child and Family Studies 206.....4

Economics 204 or 2103

Studies to Enhance a World Perspective (12 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

History 133, 134, or 1353

Senior Capstone Course (as listed in FCS core hours)

Family and Consumer Sciences 421

Food, Nutrition, and Dietetics Requirements (62 hours)

FN 114 Food and People.....3

FN 310 Principles of Food Preparation and Meal Management.....4

FN 311 Nutrition Education and the Community3

FN 313 Quantity Food Systems4

FN 316 Experimental Food Science4

FN 411 Advanced Nutrition.....3

FN 412 Medical Nutritional Therapy.....3

FN 421 Seminar in Foods, Nutrition, and Dietetics.....1

FN 466 Field Experience in Foods, Nutrition, and Dietetics.....3

ACCT 201 Principles of Financial Accounting3

BAD 215 Business Information Tools3

BIOL 305 Medical Terminology I.....2

BIOL 306 Medical Terminology II2

BIOL 316 Microbiology.....4

CHEM 101 Introductory Chemistry4

CHEM 102 Introduction to Organic and Biochemistry.....4

CS 432 Cooperative Management4

FCSE 424 Methods of Teaching Family and Consumer Sciences Education.....2

MGT 301 Essentials of Management and Leadership.....3

PSY 101 Introduction to Behavioral Science.....3

or PSY 102 Understanding Human Behavior

or SOC 101 Introduction to Sociology

Elective Hours (6 hours)6

Additional requirements related to Didactic Program in Dietetics required courses: Students must earn a grade of C or above on all foods, nutrition, and Didactic Program in Dietetics (DPD) courses and must maintain a cumulative GPA of at least 2.8. A grade of D constitutes failure in foods, nutrition, and dietetics. In most cases, the student must repeat the failed course before taking any other required foods, nutrition and dietetics courses.

For additional endorsements in family and consumer sciences education, a student must complete the requirements for family and consumer sciences education and the following additional requirements (12 hours):

Early Childhood Care and Services (9-12):

CFS 404 Administration of Programs for Young Children.....3

CFS 414 Programs for Young Children I: Creativity and Expression3

CFS 465 Internship in Child and Family Studies3

FCSE 425 Occupational Family and Consumer Sciences Education3

Food Production and Management Services:

FN 313	Quantity Food Systems	4
FN 316	Experimental Food Science	4
FN 466	Field Experience in Foods, Nutrition, and Dietetics.....	3
FCSE 425	Occupational Family and Consumer Sciences Education	3

For licensure as a School Food Service Supervisor, a student must complete a BS degree with a minimum of 30 semester hours in family and consumer sciences courses or a major in one of the family and consumer sciences areas and 24 semester hours of specified coursework. See department for specific curricular requirements.

NOTE: All areas of study include an internship as part of the program. Senior standing required.

Film

Film at Carson-Newman College is an interdisciplinary major. Courses are taught in the Departments of Communication and English, as well as other disciplines. Film students are able to use the resources of the Digital Café: A Center for Digital Storytelling and Carson-Newman’s Production Studio.

Film majors follow a sequential curriculum which includes classes on aesthetics, production, film and society, and international cinema. By their senior year students choose one area for their advanced, senior project. The program is designed for students with academic or professional interest in film and filmmaking, and it offers students the opportunity to apply for internships through the Los Angeles Film Studies Center and other organizations.

Liberal Arts Requirements (44-45 hours)

Liberal Arts (2 hours)

Liberal Arts 101	2-3
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Studies in Biblical Traditions (6 hours)

Religion 101, 102.....	6
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Studies in Communications (6 hours)

English 101	3
Communication 135 or 230	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 207	3
Laboratory Science	6

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science	3
Child and Family Studies, Psychology, or Sociology.....	3

Studies to Enhance a World Perspective (15 hours)

English 201, 301	6
FILM 310 (same as ENG 310) (as listed in major hours below)	
History 133, 134, or 135	3
Foreign Language (in sequence at appropriate level).....	6

Senior Capstone Course (as listed in major hours below)

Communication 457	
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Major requirements (42 hours)

I. Writing and Aesthetics (15 hours)

COMM 123	Introduction to Communication Writing.....	3
FILM 310	Introduction to the Art of Film.....	3
FILM 311	Film History	3
FILM 344	Studies in American Film Genres	3
FILM 441	Film Authors	3

II. Production (12 hours)

FILM 208	Introduction to Digital Media	3
FILM 209	Video Production	3
FILM 304	Advanced Production.....	3
FILM 305	Digital Storytelling.....	3

III. Film and Society (6 hours)

Two courses from		
COMM 250	Media, Religion, and Ministry	3
COMM 327	Media in a Changing World	3

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COMM 404	Media Law and Ethics	3
HIST 427	History and Film	3
PSY 427	Psychology and Film.....	3
REL 427	Religion and Film	3
SOC 427	Sociology and Film.....	3
IV. World Cinema (3 hours)		
FILM 415	Various courses, mostly from departments of foreign languages and English, which emphasize film from outside the United States.....	3
V. Senior Project (3 hours)		
FILM 460	Senior Project.....	3
VI. Senior Capstone Course (3 hours)		
COMM 457	Senior communication Studies Theory/Research Seminar	3
Elective Hours (41-42 hours)		41-42

Interested students should contact the director, Dr. Mark Borchert, in the Department of Communication.

History and Political Science

James Baumgardner, Kara E. Stooksbury, K. Elizabeth Vanlandingham

Majors

History
Political Science

Minors

History
Law and Policy Studies
Political Science

The History and Political Science program is housed in the History and Political Science Building, located behind Stokely Memorial. The department primarily has classroom space on the second floor of the Baker Building, with classrooms elsewhere used as circumstances dictate.

History and political science majors, as well as non-majors, have the opportunity to work in federal and state government through the Washington Semester program and internships in the State Capital. Many history and political science majors earn licensure to teach and a number of majors enter law school. Others enter graduate training and/or such varied occupations as the ministry, government, business and journalism. Students completing 12 hours of history classes are eligible for membership in Phi Alpha Theta, the international history honor society. Students completing 10 hours of political science classes are eligible for membership in Pi Sigma Alpha, the national political science honor society.

For a major in history, a student must complete no less than 30 hours in history. A student must make a grade of “C” or better in major courses.

Liberal Arts Requirements (41 hours)

Liberal Arts (2 hours)

Liberal Arts 101

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....

Studies in Communications (6 hours)

English 101

Communication 135 or 230

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 207

Laboratory Science

Studies in Personal/Social Awareness (6 hours)

History 201, 202 (as listed in major hours below)

Child and Family Studies, Psychology, or Sociology.....

Studies to Enhance a World Perspective (12 hours)

English 201, 301	6
ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....	3
History 133, 134 (as listed in major hours below)	
Foreign Language (in sequence at appropriate level)	6

Senior Capstone Course (as listed in major hours below)

History 451

Major Requirements for History (36 hours)

HIST 133	World History I	3
HIST 134	World History II	3
HIST 201	United States History I.....	3
HIST 202	United States History II	3
HIST 451	Senior Capstone in History	2
Non-Western History (one course)		
HIST 323	Global Feminism: Women in the Modern World.....	3
HIST 340	Literature and Revolution	3
HIST 341	The Confucian Tradition	3
HIST 343	India in Historical Perspective	3
HIST 345	Southeast Asia	3
HIST 347	Japan Past and Present	3
HIST 348	China in Revolution	3
European History (one course)		
HIST 333	Europe in the Middle Ages	3
HIST 334	Europe in Transition, 1350-1789	3
HIST 335	Europe in Age of Revolution: Reform and Unification	3
HIST 336	Emergence of Modern Europe, 1901 to the present.....	3
HIST 437	British History I	3
HIST 438	British History II	3
History Elective Hours	.....	10
Political Science		
PSC 101	Introduction to Civil Rights and Liberties	3
or PSC 102	American Government and Politics	
PSC 300 or 400 level course (exclusive of internship hours).....		3
Elective Hours (51 hours)	.....	51

For a major in political science, a student must complete no less than 30 hours in political science. A student must make a grade of “C” or better in major courses.

Liberal Arts Requirements (44 hours)**Liberal Arts (2 hours)**

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)

Religion 101, 102.....	6
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Studies in Communications (6 hours)

English 101	3
Communication 135 or 230	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 207	3
Laboratory Science	6

Studies in Personal/Social Awareness (6 hours)

Political Science 101, 102 (as listed in major hours below)	
Child and Family Studies, Psychology, or Sociology	3

Studies to Enhance a World Perspective (12 hours)

English 201, 301	6
ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....	3
History 133, 134, or 135	3
Foreign Language (in sequence at appropriate level)	6

Senior Capstone Course (as listed in major hours below)

Political Science 491

Major Requirements for Political Science (39 hours)

PSC 101	Introduction to Civil Rights and Liberties	3
PSC 102	American Government and Politics	3
PSC 491	Senior Seminar in Political Science	2
PSC 312	Middle East Politics	3
or PSC 313	Global Politics	
or PSC 314	International Human Rights	
or PSC 315	Contemporary International Issues	
or HIST 413	American Diplomatic History	
Additional Political Science hours.....		19
HIST 134	World History II	3
or HIST 202	United States History II	
300 or 400 level HIST (two courses).....		6

Elective Hours (45 hours)45

For a minor in law and policy studies, a student must complete PSC 102 and 105; either ACCT 201, BAD 301, or PHIL 204; twelve hours from PSC 330, 335, 336, 337, 338, 409, 438, 439, PSC internship (may be legal internship or other relevant internship related to law and policy; variable credit but only three hours may be applied toward the minor), SOC 208, SOC 303, or BAD 301 (if not taken above).

For a minor in history, a student must complete 18 hours including 133-134 or 201-202.

For a minor in political science, a student must complete 18 hours including 101 and 102.

Teacher licensure—Any student wishing to teach history or political science in the secondary schools must be a major and meet requirements of the Department of Teacher Education. Minimum grade of C is required for each course within the major. A history major must include HIST 133-134, HIST 201-202, and GEOG 201 or 202.

Advanced Placement—Credit in the appropriate subject will be three hours for a score of 4 and six hours for a score of 5.

Required Grades--All majors must make a minimum grade of C in all required courses in the major. Additionally, all majors must achieve a 2.0 overall average in all courses taken in the department.

Independent Studies—Courses are available for highly motivated students who want to engage in extensive reading about a subject that is not a part of the catalog course offerings.

Independent studies courses are not offered for catalog courses, except under the most unusual circumstances. A catalog course cannot be taken as an independent study in order to improve a grade.

NOTE: Department faculty reserve the right to determine the prerequisite for all the 300 and 400 level courses.

Honors Program

Director Brian Austin

Honors courses are reserved for Honors students. Academically superior students not involved in the Honors Program may take Honors courses if space is available and by the permission of the instructors of the course. These courses may substitute for required Liberal Arts Core courses as described in the Liberal Arts Core Requirements section of this catalog.

Honors students are required to take 12 hours of team-taught Honors courses chosen from: HUM 101-102, PSC 202, PSY 318, PSY/SOC 250, and FA 301. These courses may be taken in any order or combination. Students who participate in a study abroad experience for at least 3 hours credit may waive one of the above courses. In addition, Honors students are required to fulfill liberal arts core requirements in religion as well as Writing and Literary Studies I with Honors sections of those courses. Juniors are encouraged to take the one-hour research and writing course in preparation for their honors theses.

Languages

Mary Baldrige, Maria Clark, Andrea Menz

Majors

Linguistics (Interdisciplinary)
 Spanish
 Biblical Languages (through the Religion Department)

Minors

German
 Linguistics (Interdisciplinary)
 Spanish

The Language Program is located on the third floor of Henderson Humanities Building. Through the Liberal Arts Core Requirement we enable students to acquire the ability to communicate with, and have a keen awareness of, people of a culture other than their own.

Our purpose for the student who elects to pursue advanced study of language(s) is to provide specific knowledge and skills to enhance vocations and opportunities in areas such as business, social work, and Christian service. We also strive to foster a knowledge and appreciation of language as art in the form of literature.

In conjunction with the Division of Education, we strive to recruit and prepare superior language teachers to meet the growing demand.

The national honor society for Spanish students is Sigma Delta Pi.

Students wishing to enroll in foreign language courses at other institutions must secure advanced written permission of the department chair of foreign language at Carson-Newman College. Permission is not generally given for more than one course per semester nor for courses offered by non-consortium institutions.

The Department offers two majors in Spanish (the professional and the corollary major). A major and minor in Biblical Languages are offered through the Department of Religion. The professional major is intended for students who plan to study language and literature at the graduate level or teach the language. Literature is stressed, as well as skill development. The corollary major is communication skill oriented to complement majors in English, Business, Human Services, etc. and is offered only as a second major. Requirements for both are listed in this section.

Liberal Arts Requirements (41-42 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 101*3

Communication 135* or 230*3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 2073

Laboratory Science6

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3

Child and Family Studies, Psychology, or Sociology3

Studies to Enhance a World Perspective (12 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110..... 3-4

History 133, 134, or 1353

Spanish 201 and 202 (as listed in major hours below)

Senior Capstone Course (as listed in major hours below)

Spanish 420

Professional Spanish Major (36 hours)

SPAN 201 Intermediate Spanish I3

SPAN 202 Intermediate Spanish II.....3

SPAN 301 Advanced Written Expression3

SPAN 310 Advanced Oral Expression3

SPAN 415	Special Topics in Spanish	3
SPAN 420	Advanced Seminar in Spanish	3
LING 220	Introduction to Linguistics.....	3
Fifteen hours from the following:		
SPAN 303	Roman Empire to Holy Roman Empire.....	3
SPAN 304	Fall of Empire, Rise of Democracy	3
SPAN 305	Civilization and Culture of Latin America I.....	3
SPAN 306	Civilization and Culture of Latin America II.....	3
SPAN 317	Spanish in Community Service and Missions	1-3
SPAN 322	Selected Readings of Peninsular Literature	3
SPAN 323	Selected Readings of Latin America.....	3
SPAN 330	Religion and (In)Tolerance in Spanish Literature	3
SPAN 340	Mujeres al borde: Women and Feminis in Contemporary Spanish Literature and Film	3

Elective Hours (50-51 hours)..... 50-51

Corollary Majors Requirements (24 hours)

SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II.....	3
SPAN 301	Advanced Written Expression	3
SPAN 310	Advanced Oral Expression	3
Twelve hours from the following:		
SPAN 303	Roman Empire to Holy Roman Empire.....	3
SPAN 304	Fall of Empire, Rise of Democracy	3
SPAN 305	Civilization and Culture of Latin America I.....	3
SPAN 306	Civilization and Culture of Latin America II.....	3
SPAN 317	Spanish in Community Service and Missions	1-3
SPAN 322	Selected Readings of Peninsular Literature	3
SPAN 323	Selected Readings of Latin America.....	3
SPAN 330	Religion and (In)Tolerance in Spanish Literature	3
SPAN 340	Mujeres al borde: Women and Feminis in Contemporary Spanish Literature and Film	3

Elective Hours (62-63 hours)..... 62-63

The corollary major in an add-on (double) major, so the elective hours MUST include another major.

*Students seeking certification to teach Spanish must enroll in a documented immersion experience, such as SPAN 309, 317, or a study abroad experience preapproved by the chair of the department.

*A student who begins at the 300 level will have six additional hours of electives.

Biblical Languages: The major in biblical languages is skill oriented and consists of at least 15 hours in one biblical language (either Koine Greek or Biblical Hebrew) and a minimum of 12 hours in the other. The major is designed as preparation for graduate study in biblical studies.

A minor in German or Spanish consists of 18 hours, including GER 301 and GER 302; or SPAN 301 and SPAN 310; and excluding GER or SPAN 400 in all languages. Courses below 201 do not count toward the minor..

The liberal arts core requirement in foreign language can be met in the following ways:

- Complete a 6 hour sequence in any foreign language at the 100 or 200 level as determined by degree department. Students with prior study of a language are required to take our placement test. A recommendation of entry level will be made taking into account performance on the test and the number of years of study of the language. If the student follows a recommendation of placement in a 300-level or higher course he may, upon completion of the course with a "C" or better, petition the department for up to 9 hours credit for the exempted courses.
- International students whose native language is not English can satisfy their requirement in the following ways:
 - score at least 600 on the TOEFL (paper-based test) or 250 (computer-based test).
 - complete one 3-hour course in English language or American literature after completion of ENG 101-201.
 - complete 6 hours of literature in native language if applicable.
 - comply with the requirement for American students by satisfying either part 1 (201-202 sequence) or part 4 (CLEP) in a language other than English or the student's native language.

- e. receive 12 foreign language credit hours by completing Level II of ELI, receiving recommendation from ELI, and successfully completing six semester hours Carson-Newman credit.

Advanced courses (300 level and above) are offered frequently and consistently.

Teacher Licensure: Those interested in teaching a foreign language in the secondary schools must meet certain requirements as specified by the Department of Teacher Education.

Linguistics

Linguistics, the study of human language, is an interdisciplinary major, corollary major and minor at Carson-Newman College. Due to the interdisciplinary nature of the field, linguistics students are afforded a great deal of flexibility in designing their program of study. While all linguistics students are required to take courses in the various branches of linguistic analysis, students enjoy the option of combining this with coursework in Communication, Education, English, Foreign Languages, Philosophy, Psychology, and Sociology. The program in Linguistics is designed for students with academic or professional interest in Linguistics and offers students the unique opportunity to pursue this field of study in both a liberal arts tradition and a Christian context.

Liberal Arts Requirements (47 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 2073

Laboratory Science6

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3

Child and Family Studies, Psychology, or Sociology3

Studies to Enhance a World Perspective (12 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

History 133, 134, or 1353

Foreign Language (in sequence at appropriate level)6

Senior Capstone Course (as listed in major hours below)

Linguistics 475

Requirements for the major (33 hours)

I. Introduction to linguistic inquiry/analysis

LING 220 Introduction to Linguistics3

II. Knowledge of the structure of a foreign/second language

Foreign language 201/202 (at least 6 hours at second-year level).....6

III. Core

LING 305 Syntax3

LING 310 Phonology3

IV. Core electives (two or more of the following)

ENG 328 Advanced Composition, Grammar, and Language Skills.....3

LING 315 Topics in Linguistics (can be repeated).....3

LING 327 Translation Theory3

LING 415 Special Topics and Research in Linguistics (can be repeated)3

LING 420 Advanced Seminar in Linguistics (can be repeated).....3

LING 430 Language and the Brain/Psycholinguistics3

V. Capstone project

LING 475 Senior Project.....3

VI. Related courses (additional courses from the following for a total of at least 33 hours in the major)

Any approved advanced course in English/German/Spanish (may be repeated with permission)

EDUC 434 Teaching Modern and Classical Languages.....3

LING 390 Independent Study3

PHIL 204	Principles of Logic and Science.....	3
MATH 201	Statistical Methods I	3
or PSY 203	Statistical Methods I	
PHYS 101	Physics of Musical Sound.....	3
PSY 213	Statistics and Research Design	4
PSY 320	Topics in Psychology: Clinical Neuropsychology	3
PSY 320	Topics in Psychology: Clinical Neuropsychology	3
Elective Hours (48 hours)		48
Requirements for the corollary major (24 hours):		
I.	Introduction to linguistic inquiry/analysis	
	LING 220 Introduction to Linguistics.....	3
II.	Knowledge of the structure of a foreign/second language	
	Foreign language 201/202 (at least 6 hours at second-year level).....	6
III.	Core curriculum	
	LING 305 Syntax	3
	LING 310 Phonology	3
IV.	Core electives (one or more of the following courses)	
	ENG 328 Advanced Composition, Grammar, and Language Skills.....	3
	LING 315 Topics in Linguistics (can be repeated).....	3
	LING 327 Translation Theory	3
	LING 415 Special Topics and Research in Linguistics (can be repeated)	3
	LING 420 Advanced Seminar in Linguistics (can be repeated).....	3
	LING 430 Language and the Brain/Psycholinguistics	3
V.	Related courses (addition courses from the following for a total of at least 24 hours in the corollary major)	
	Any approved advanced course in French/English/German/Spanish (may be repeated with permission)	
	EDUC 434 Teaching Modern and Classical Languages.....	3
	LING 390 Independent Study	3
	PHIL 204 Principles of Logic and Science.....	3
	MATH 201 Statistical Methods I	3
	or PSY 203 Statistical Methods I	
	PHYS 101 Physics of Musical Sound.....	3
	PSY 213 Statistics and Research Design	4
	PSY 320 Topics in Psychology: Clinical Neuropsychology	3
Elective Hours (60 hours)		60

The corollary major is an add-on major, so these 60 additional hours MUST include another major.

Requirements for the minor (18 hours):

I.	Introduction to linguistic inquiry/analysis	
	LING 220 Introduction to Linguistics.....	3
II.	Knowledge of the structure of a foreign/second language	
	Foreign language 201/202 (at least 6 hours at second-year level).....	6
III.	Core curriculum	
	LING 305 Syntax	3
	LING 310 Phonology	3
IV.	Core electives and related courses (at least one of the following)	
	Any approved advanced course in French/English/German/Spanish (can be	repeated with permission)
	EDUC 434 Teaching Modern and Classical Languages.....	3
	ENG 328 Advanced Composition, Grammar, and Language Studies	3
	LING 315 Topics in Linguistics (can be repeated).....	3
	LING 327 Translation Theory	3
	LING 390 Independent Study	3
	LING 415 Special Topics and Research in Linguistics (can be repeated)	3
	LING 420 Advanced Seminar in Linguistics (can be repeated).....	3
	LING 430 Language and the Brain/Psycholinguistics	3
	PHIL 204 Principles of Logic and Science.....	3
	MATH 201 Statistical Methods I	3
	or PSY 203 Statistical Methods I	

PHYS 101	Physics of Musical Sound.....	3
PSY 213	Statistics and Research Design	4
PSY 320	Topics in Psychology: Clinical Neuropsychology	3

Interested students should contact Dr. Andrea Menz (amenz@cn.edu).

Mathematics

Thomas Bass, Kenneth Massey, B. Alden Starnes, Henry Suters

Major

Mathematics

Minors

Mathematics

The Mathematics Program is located on the first level of Dougherty Science Center. Its facilities include a modern computer center.

Mathematics majors who meet the requirements for membership will be invited to join Kappa Mu Epsilon, the national mathematics honor society. To be qualified for membership, a person must be a regularly enrolled student with at least the standing of a second semester sophomore of Carson-Newman College; must rank in the upper 35% of his/her class; and must complete with an overall average in mathematics of 3.00 at least three college mathematics courses including at least one semester of calculus.

Objectives

The Department seeks to develop skills in the application of mathematics to those disciplines which it enhances, and to provide a solid foundation in the principles of the discipline.

Liberal Arts Requirements (44-46 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (9 hours)

Mathematics 151 (as listed in major hours below)

Laboratory Science 6-8

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3

Child and Family Studies, Psychology, or Sociology.....3

Studies to Enhance a World Perspective (18 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

History 133, 134, or 1353

Foreign Language (in sequence at appropriate level)6

Senior Capstone Course (as listed in major hours below)

Mathematics 412

Major Requirements (40 hours)

MATH 151 Calculus I3

MATH 152 Calculus II.....3

MATH 201 Statistical Concepts and Methods3

 or MATH 406 Mathematical Statistics

MATH 207 Discrete Mathematics.....3

MATH 211 Calculus III.....3

MATH 212 Introduction to Abstract Mathematics.....3

MATH 213 Calculus IV3

MATH 312 Junior Seminar in Mathematics2

MATH 403 Linear Algebra3

MATH 404 Abstract Algebra3

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MATH 412	Senior Seminar in Mathematics	2
Two additional 300/400 level MATH courses		6
CSC 107	Computer Programming I	3

Elective Hours (42-44 hours)..... 42-44

Certain upper division courses are appropriate for specific future vocational choices; a list of these will be given to each student by his/her advisor. Math courses below Math 151 do not count as hours toward the major requirement.

For a minor in Mathematics, a student must complete a minimum of 18 hours including MATH 151, 152, 207, and either 201 or 406 and at least two other catalog mathematics courses at the junior-senior level.

Foreign Language Requirement - Six hours in a single language at either the 100- or 200-level, or equivalent AP or CLEP credit.

Teacher Licensure - Students planning to teach mathematics in the secondary schools must complete requirements specified by the Department of Teacher Education and complete a major in mathematics.

The department policy regarding academic credit for Advanced Placement (AP) courses is as follows:

1. Statistics—Three hours credit in elementary statistics (MATH 201) will be awarded for a score of 4 or higher on the AP test. Scores below 4 receive no academic credit.
2. Calculus—A score of 4 or 5 on the Calculus AB test or on the AB sub-score of Calculus BC test, will give a student 3 hours credit for MATH 151. A score of 4 or 5 on the Calculus BC test will give a student 6 hours credit for MATH 151 and 152.
3. Computer Science—Three hours credit in CSC 107 will be awarded for scores of 3 or higher.

Local tests—A student wishing to receive academic credit in a course listed in the catalog may arrange with the department chair to take an exam. A score of 80% or higher is required for credit, and grading will be S/F. An examination for credit for a particular course can be taken no more than one time.

Military Science

Lieutenant Colonel Gregory Stephens, Master Sergeant Justin Conner, Major Michael Schoenborn, Mr. Scott Bryant

Minor

Military Leadership

The Military Science program, located at 706 East College Street, Baker Building Room 105, offers courses to develop leadership and management skills for both military and civilian careers. The Army Reserve Officers Training Corps (ROTC) program provides qualified students opportunities to serve their country full or part time as officers in the U.S. Army. Students enrolled in ROTC who meet specified qualifications can earn a commission as a Second Lieutenant in the U.S. Army, Army National Guard or the U.S. Army Reserve.

ROTC students may participate in the Color Guard, Ranger Challenge Club, Officers Christian Fellowship, annual Military Ball and many social functions sponsored by Cadets and Cadre. Each year the Ranger Challenge Club attends a regional, multi-state intercollegiate competition of physical stamina, leadership ability and teamwork.

Military Science courses are open to all students; however, to enroll in advanced ROTC courses which lead to a commission as a Second Lieutenant, a student must meet U.S. Army administrative, physical, medical and mental standards and be accepted by the Professor of Military Science.

Military Leadership Minor

Enhanced leadership development focused in an organizational setting. Students complete the 21 hour sequence to include MILS 100, 101-102, 201-202, 301-302, 401-402. The student **is not** required to be contracted in the ROTC program nor to attend the ROTC Leader Development and Assessment Course (LDAC) during the summer when enrolled in MILS 101-102, 201-202. The student **is** required to be contracted in the ROTC program and attend LDAC during the summer between their junior and senior years when enrolled in MILS 301-302, 401-402. **Contact** the Department of Military Science. LDAC is a 30 day training event which both assesses where Cadets are in their overall leadership development and is Army training providing additional development to further enhance their leadership capabilities.

Military Science Curriculum

Military Science courses are designed to fulfill the educational and training requirements for commissioning as a Second Lieutenant in the U.S. Army.

The curriculum consists of a Basic Course (first two years) and an Advanced Course (final two years). In addition to the specified military science courses, the Army requires successful completion of a college degree and one course in military history.

Basic Course**Freshman Year**

- MILS 100, Military History of the US (may be taken during other years)
- MILS 101, Introduction to ROTC and Military Leadership I
- MILS 102, Introduction to ROTC and Military Leadership II

Sophomore Year

- MILS 201, Military Leadership and Management I
- MILS 202, Military Leadership and Management II

Advanced Course**Junior Year**

- MILS 301, Advanced Leadership and Management I
- MILS 302, Advanced Leadership and Management II

Summer

- MILS 303, Leadership Development and Assessment Course

Senior Year

- MILS 401, Seminar in Leadership and Management I
- MILS 402, Seminar in Leadership and Management II

A two year program, available when a student has only two academic years remaining at Carson-Newman, consists of the last two years of ROTC (Advanced Course) and an authorized substitute for the Basic Course. Authorized substitutes are:

1. MILS 300, Leadership Training Course, taken during the summer between the sophomore and junior years. This is a 30 day training program at Fort Knox, KY, which supplements the freshmen and sophomore courses in order to transition a student with no previous experience into the ROTC Advance Course.
2. At least three years of high school Junior ROTC and approval of the Professor of Military Science.
3. Successful completion of a basic training program in the U.S. Army, Navy, Air Force or Marine Corps.

Military Service Obligation

A student incurs NO military obligation by taking any of the classes in the ROTC Basic Course. A student who accepts a scholarship or signs a contract to participate in the Advanced Course during the junior and senior years is obligated to serve either full time on active duty in the U.S. Army or part time in the Army Reserves or Army National Guard for a specific period after graduation. See the Department of Military Science faculty for an explanation of the various options.

Pay, Uniforms and Equipment

Each ROTC student is furnished uniforms and textbooks at no charge. The advanced ROTC student signs a contract with the U.S. Government agreeing to complete the Advanced Course and accept a Regular Army, U.S. Army Reserve, or National Guard commission as a Second Lieutenant upon graduation. While enrolled in the Advanced Course (two years), the student receives \$350 to \$500 per month tax free and approximately \$700 plus travel expenses, housing and meals to attend Summer Camp between the junior and senior years.

Scholarship Program

High school seniors may apply for the four-year Army ROTC scholarship. There are two types of 4-year scholarships available, either general or dedicated nurse scholarships. Carson-Newman College is one of only a small number of Partnership in Nurse Education Schools which offers dedicated nurse scholarships. High school seniors can fill out the scholarship application online at www.armyrotc.com. Typically, scholarship applications for high school seniors should be completed prior to October 1 of their senior year in order to be eligible for all scholarship selection boards. High school seniors are normally selected in early February and early application is strongly encouraged. Carson-Newman College freshmen, sophomores, and juniors can apply for the three and two-year Army ROTC scholarships and should contact the Department of Military Science for applications. Scholarships are based on merit and overall performance in academics, athletics, and leadership. Scholarships pay tuition, up to \$600 per semester for books, and up to \$500 per month tax-free spending allowance. Carson-Newman College offers ROTC Room and Board Award to cover the cost of room (double occupancy residence hall only) and the actual cost of the on-campus meal plan up to the "unlimited meal plan." To qualify for this award, students must live on-campus and file the Free Application for Federal Student Aid (FAFSA). The college reserves the right to reduce the ROTC Room and Board Award by the amount of any additional aid the student receives.

Air Force Aerospace Studies

Courses are offered in conjunction with the Air Force Reserve Officer Training Corps (AFROTC) at the University of Tennessee, Knoxville, and are open to all students. However, to enroll in advanced AFROTC courses, leading to a commission as a Second Lieutenant, a student must meet U.S. Air Force administrative, physical, medical, and mental standards. In all cases, a student must be accepted by the Professor of Aerospace Studies. Students interested in information should contact:

Air Force ROTC Office, Post Office Box 71974, Carson-Newman College, Jefferson City, TN 37760

(or)

Air Force ROTC Detachment 800, 215 Stokely Athletic Center, University of Tennessee, Knoxville, TN 37996-2130

Phone: (865) 974-3041 --- <http://web.utk.edu/~rotc800/>

Music

Pat Bivens, Jeremy Buckner, Ryan Fogg, Angela Holder, Mark Hussung, Ann Jones, Clark Measels, Thomas Milligan, Richard Scruggs, Eric Thorson

Majors

Bachelor of Arts in Music
 Bachelor of Music in Performance (Instrumental, Piano or Voice)
 Bachelor of Music in Church Music
 Bachelor of Music in Music Education - Instrumental
 Bachelor of Music in Music Education - Vocal/General
 Bachelor of Music in Music Theory
 Bachelor of Music in Combination with an Outside Field

Accreditation

Carson-Newman College is an institutional member of the National Association of Schools of Music.

The Department of Music is housed in the Mabel Lewallen Tarr Music Building, one of the finest buildings on the Carson-Newman campus. The building features a recital hall, private rehearsal studios, music library, and an electronic music lab. There are several music ensembles, both vocal and instrumental, that give concerts and tour the area during the school year. The Department of Music also presents a Lyric Theater production in the fall, spring, and Mayterm. Applied music lessons and ensembles are open to music majors and non-music majors.

Music majors are eligible for membership in Delta Omicron, Music Teachers National Association, National Association for Music Education, and Pi Kappa Lambda.

Teacher Licensure: Any student wishing to teach Music (K-12) must be a music education major and meet the requirements of the Department of Teacher Education.

Advanced Placement: Credit for MUS 111 will be given for a score of 4 on the AP exam in music. Credit for both MUS 111 and 112 will be given for a score of 5. No CLEP credit is awarded in music.

Mission of the Department of Music

The goals of the Department of Music are to nurture and challenge students in a Christian environment to help them to reach their potential as educated musicians who will serve and lead in the church, school, and community.

These goals are related to specific curricula for music majors and for non-music majors to liberal arts core. Through the Bachelor of Music curricula, Carson-Newman College prepares students to occupy places of leadership and vision as public school music teachers and church musicians and prepares them musically and academically for graduate study. Through the Bachelor of Arts with a major in music, the College prepares students to be broadly educated in the liberal arts and to have a rich intellectual grasp of the field of music. For general students, the department provides the opportunity to develop skills, knowledge, and appreciation of music as a part of life.

For a **BA degree with a major in music**, a student must complete the following curriculum:

Courses in Music (43 hours)

Applied Music - voice, instrument or piano	4
Applied Music - keyboard	2
Ensemble	4
Music 111-112 Elementary Theory I-II	6
Music 117-118 Sight-Singing and Ear Training I-II	2
Music 135-136 Introduction to Music History	2
Music 211-212 Advanced Theory I-II	6
Music 431-432 Music History I-II	6
Music 461 Senior Seminar for BA in Music	1
Music electives (6 hours upper level)	10

Liberal Arts Requirements (47 hours)

Liberal Arts (2 hours)

LA 101 or HUM 101 (Honors)	2
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Studies in Biblical Traditions (6 hours)

REL 101, 102	6
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Studies in Communications (6 hours)

ENG 101	3
COMM 135 or 230	3

Studies in Mathematics and Science (9 hours)
 Any Mathematics 100 level course, 201, or 2073
 Laboratory science6

Studies in Personal/Social Awareness (6 hours)
 ECON 204, 210, HIST 201, 202, PHIL 101, 301, or PSC 101, 102, 202 (Honors)3
 CFS 206, PSY 101, 102, 204, 206, 318 (Honors) or SOC 101, 105.....3

Studies to Enhance a World Perspective (12 hours)
 ENG 201 or HUM 102 (Honors) and ENG 3016
 HIST 133, 134, or 1353
 ART 210, ENG 310, FA 301 (Honors), or TH 1103
 (BA candidates must take Fine Arts outside the Department of Music.)
 Foreign Language for BA degrees at the 100 level.....6

Senior Capstone Course (as listed in major hours above)
 Music 461

Elective Hours (38 hours).....38

For a **BM with a major in instrumental performance**, a student must complete the following curriculum:

Courses in Music (78 hours)

Applied Music Instrument20
 Applied Music Keyboard.....4
 Ensemble (to include semesters of MUS 035)8
 Music 111-112 Elementary Theory I-II6
 Music 117-118 Sight-Singing and Ear Training I-II2
 Music 135-136 Introduction to Music History2
 Music 211-212 Advanced Theory I-II.....6
 Music 217-218 Sight-Singing and Ear Training III-IV2
 Music 411 Form and Analysis3
 Music 413 Counterpart3
 Music 415 Instrumentation2
 Music 431-432 Music History I-II6
 Music 436 Wind Literature3
 or Music 437 Percussion Literature
 Music 440 Pedagogy Internship.....3
 Music 441-442 Conducting I-II4
 Music Electives4

Liberal Arts Requirements (53 hours)

Liberal Arts (2 hours)
 LA 101 or HUM 101 (Honors)2

Studies in Biblical Traditions (6 hours)
 REL 101, 1026

Studies in Communications (6 hours)
 ENG 1013
 COMM 135 or 230.....3

Studies in Mathematics and Science (9 hours)
 Any Mathematics 100 level course, 201, or 2073
 Laboratory science6

Studies in Personal/Social Awareness (6 hours)
 ECON 204, 210, HIST 201, 202, PHIL 101, 301, or PSC 101, 102, 202 (Honors)3
 CFS 206, PSY 101, 102, 204, 206, 318 (Honors) or SOC 101, 105.....3

Studies to Enhance a World Perspective (12 hours)
 ENG 201 or HUM 102 (Honors) and ENG 3016
 HIST 133, 134, or 1353
 ENG 3103
 Foreign Language12

Senior Capstone Course (as listed in major hours below)
 Part of Applied credit in the Senior Recital Semester

For a **BM with a major in piano performance**, a student must complete the following curriculum:

Courses in Music (78 hours)

Applied Music	.....	24
Ensemble	.....	8
Music 111-112	Elementary Theory I-II	.....6
Music 117-118	Sight-Singing and Ear Training I-II	.....2
Music 135-136	Introduction to Music History	.....2
Music 211-212	Advanced Theory I-II	.....6
Music 217-218	Sight-Singing and Ear Training III-IV	.....2
Music 347	Piano Methods	.....3
Music 411	Form and Analysis	.....3
Music 413	Counterpoint	.....3
Music 431-432	Music History I-II	.....6
Music 441-442	Conducting I-II	.....4
Music 446-447	Piano Literature	.....4
Music Electives	.....	5

Liberal Arts Requirements (53 hours)

Liberal Arts (2 hours)

LA 101 or HUM 101 (Honors)	2
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Studies in Biblical Traditions (6 hours)

REL 101, 102	6
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Studies in Communications (6 hours)

ENG 101	3
COMM 135 or 230	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 207	.....	3
Laboratory science	.....	6

Studies in Personal/Social Awareness (6 hours)

ECON 204, 210, HIST 201, 202, PHIL 101, 301, or PSC 101, 102, 202 (Honors)	.....	3
CFS 206, PSY 101, 102, 204, 206, 318 (Honors) or SOC 101, 105	.....	3

Studies to Enhance a World Perspective (12 hours)

ENG 201 or HUM 102 (Honors) and ENG 301	.....	6
HIST 133, 134, or 135	.....	3
ART 210, ENG 310, FA 301 (Honors), TH 110, or Music Ensembles	.....	3
Foreign Language for BM Performance in Piano - German	.....	12

Senior Capstone Course (as listed in major hours below)

Part of Applied credit in the Senior Recital Semester

For a **BM with a major in vocal performance**, the student must complete the following curriculum:

Courses in Music (78 hours)

Applied Music Voice	.....	20
Applied Music Keyboard	.....	4
Ensemble	.....	8
Music 030	Lyric Theatre (spring semester - Opera Workshop)	.....1
Music 109	Foreign Language Diction	.....3
Music 111-112	Elementary Theory I-II	.....6
Music 117-118	Sight-Singing and Ear Training I-II	.....2
Music 135-136	Introduction to Music History	.....2
Music 211-212	Advanced Theory I-II	.....6
Music 217-218	Sight-Singing and Ear Training III-IV	.....2
Music 342	Vocal Pedagogy	.....3
Music 431-432	Music History I-II	.....6
Music 435	Song Literature	.....3
Music 411	Form and Analysis	.....3
Music 413	Counterpoint	.....3
Music 441-442	Conducting I-II	.....4
Music Electives	.....	2

Liberal Arts Requirements (53 hours)

Liberal Arts (2 hours)

LA 101 or HUM 101 (Honors)2

Studies in Biblical Traditions (6 hours)

REL 101, 1026

Studies in Communications (6 hours)

ENG 1013

COMM 135 or 230.....3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 2073

Laboratory science6

Studies in Personal/Social Awareness (6 hours)

ECON 204, 210, HIST 201, 202, PHIL 101, 301, or PSC 101, 102, 202 (Honors)3

CFS 206, PSY 101, 102, 204, 206, 318 (Honors) or SOC 101, 105.....3

Studies to Enhance a World Perspective (12 hours)

ENG 201 or HUM 102 (Honors) and ENG 3016

HIST 133, 134, or 1353

ART 210, ENG 310, FA 301 (Honors), TH 110, or Music Ensembles3

Foreign Language for BM Performance in Voice - German12

Senior Capstone Course (as listed in major hours below)

Part of Applied credit in the Senior Recital Semester

For a **BM with a major in church music**, a student must complete the following curriculum:

Courses in Music (84 hours)

Applied Music Major20

* Applied Music Secondary4

Ensemble8

Music 111-112 Elementary Theory I-II6

Music 117-118 Sight-Singing and Ear Training I-II2

Music 135-136 Introduction to Music History2

Music 211-212 Advanced Theory I-II6

Music 217-218 Sight-Singing and Ear Training III-IV2

Music 321 Hymnology3

Music 322 Worship Practices2

Music 325 Church Music Administration3

Music 411 Form and Analysis3

or Music 413 Counterpoint

Music 415 Instrumentation2

Music 431-432 Music History I-II6

Music 441-442 Conducting I-II4

Music 443 Teaching Music to Children (with practicum)3

Music 445 Teaching Choral Music2

Music 460 Field Work in Church Music1

Music Methods2

Music Elective3

NOTE: Applied secondary must be piano until piano proficiency requirements have been met.

Liberal Arts Requirements (47 hours)

Liberal Arts (2 hours)

LA 101 or HUM 101 (Honors)2

Studies in Biblical Traditions (6 hours)

REL 101, 1026

Studies in Communications (6 hours)

ENG 1013

COMM 135 or 230.....3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 2073

Laboratory science6

Studies in Personal/Social Awareness (6 hours)

ECON 204, 210, HIST 201, 202, PHIL 101, 301, or PSC 101, 102, 202 (Honors)	3
CFS 206, PSY 101, 102, 204, 206, 318 (Honors) or SOC 101, 105.....	3

Studies to Enhance a World Perspective (12 hours)

ENG 201 or HUM 102 (Honors) and ENG 301	6
HIST 133, 134, or 135	3
ART 210, ENG 310, FA 301 (Honors), TH 110, or Music Ensembles.....	3
Foreign Language	6

Senior Capstone Course (as listed in major hours below)

Part of Applied credit in the Senior Recital Semester

NOTE: Applied major must be voice or instrument. Applied secondary must be voice if the major is instrument. Piano and organ majors include MUS 205. Students must pass piano proficiency requirements.

*For a **BM with a major in music education-instrumental K-12**, a student must complete following curriculum:

Courses in Music (70.5 hours)

Applied Music Major	13
Applied Music Keyboard	4
Applied Music Voice	1
Ensemble	10.5
Music 111-112 Elementary Theory I-II	6
Music 117-118 Sight-Singing and Ear Training I-II	2
Music 135-136 Introduction to Music History	2
Music 211-212 Advanced Theory I-II	6
Music 217-218 Sight-Singing and Ear Training III-IV	2
Music 241 Percussion Methods and Literature.....	2
Music 242 Woodwind Methods and Literature.....	2
Music 246 Brass Methods and Literature	2
Music 343 Instrumental Administration (practicum)	2
Music 345 Teaching Music Methods (practicum)	2
Music 346 String Methods and Literature	2
Music 415 Instrumentation	2
Music 431-432 Music History I-II	6
Music 441-442 Conducting I-II	4

Professional Education (23 hours)

Education 203 Foundations of Education	3
Education 204 Instructional Technology	3
Education 350 Diversity in Schools, Home, Community	2
Special Ed 313 Survey of Exceptional Persons (practicum)	3
Education 463 Student Teaching Seminar	2
Music 465 Student Teaching: Placement One	5
Music 467 Student Teaching: Placement Two	5

Liberal Arts Requirements (41 hours)**Liberal Arts (2 hours)**

LA 101 or HUM 101 (Honors)	2
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Studies in Biblical Traditions (6 hours)

REL 101, 102	6
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Studies in Communications (6 hours)

ENG 101	3
COMM 135 or 230	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 207	3
Laboratory science	6

Studies in Personal/Social Awareness (6 hours)

ECON 204, 210, HIST 201, 202, PHIL 101, 301, or PSC 101, 102, 202 (Honors)	3
CFS 206 or PSY 204 or 206.....	3

Studies to Enhance a World Perspective (12 hours)

ENG 201 or HUM 102 (Honors) and ENG 301	6
HIST 133, 134, or 135	3
ART 210, ENG 310, FA 301 (Honors), TH 110, or Music Ensembles.....	3

Senior Capstone Course (as listed in major hours below)

Part of credit in the Senior Teaching Seminar

*Music education majors are eligible to apply for teacher licensure in Tennessee upon completion of their curriculum.

NOTES:

1. Applied music study must include wind or percussion instrument. Enrollment in a small ensemble each semester is required of wind and percussion instrumental majors.
2. For vocal licensure, add MUS 443, MUS 445, and one additional semester of private applied voice.
3. Before student teaching, students must have upper division status in their major applied area and must have completed piano proficiency.

*For a **BM with a major in music education--vocal/choral K-12**, a student must complete the following curriculum:

Courses in Music (65 hours)

Applied Music Major	14
Applied Music Keyboard	4
Ensemble	7
Music 111-112 Elementary Theory I-II	6
Music 117-118 Sight-Singing and Ear Training I-II	2
Music 135-136 Introduction to Music History	2
Music 211-212 Advanced Theory I-II	6
Music 217-218 Sight-Singing and Ear Training III-IV	2
Music 240 Instrument Studies	1
Music 345 Teaching Music Methods (practicum)	2
Music 415 Instrumentation	2
Music 431-432 Music History I-II	6
Music 441-442 Conducting I-II	4
Music 443 Teaching Music to Children (with practicum)	3
Music 445 Teaching Choral Music	2
Music Electives	2

Professional Education (23 hours)

Education 203 Foundations of Education	3
Education 204 Instructional Technology	3
Education 350 Diversity in Schools, Homes, Community	2
Special Ed 313 Survey of Exceptional Persons (practicum)	3
Education 463 Student Teaching Seminar	2
Music 465 Student Teaching: Placement One	5
Music 467 Student Teaching: Placement Two	5

Liberal Arts Requirements (41 hours)

Liberal Arts (2 hours)

LA 101 or HUM 101 (Honors)	2
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Studies in Biblical Traditions (6 hours)

REL 101, 102	6
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Studies in Communications (6 hours)

ENG 101	3
COMM 135 or 230.....	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 207	3
Laboratory science	6

Studies in Personal/Social Awareness (6 hours)

ECON 204, 210, HIST 201, 202, PHIL 101, 301, or PSC 101, 102, 202 (Honors)	3
CFS 206 or PSY 204 or 206.....	3

Studies to Enhance a World Perspective (12 hours)

ENG 201 or HUM 102 (Honors) and ENG 301	6
HIST 133, 134, or 135	3
ART 210, ENG 310, FA 301 (Honors), TH 110, or Music Ensembles.....	3

Senior Capstone Course (as listed in major hours below)

Part of credit in the Student Teaching Seminar

Electives

Music electives	2
General Elective	2

*Music education majors are eligible to apply for teacher licensure in Tennessee upon completion of their curriculum.

NOTES:

1. Applied music study may be voice or keyboard and must include four semesters of applied vocal instruction and four semesters of applied keyboard instruction. Keyboard majors must include MUS 205.
2. For instrumental licensure, add MUS 241, 242, 246, 343 and 346.
3. Before student teaching, students must have upper division status in their major applied area and must have completed piano proficiency.

For a **BM with a major in music theory**, a student must complete the following curriculum:

Courses in Music (78 hours)

Applied Music Major	12
Applied Music Keyboard	4
Ensemble	8
Senior Project	3
Music 111-112 Elementary Theory I-II	6
Music 117-118 Sight-Singing and Ear Training I-II	2
Music 135-136 Introduction to Music History	2
Music 211-212 Advanced Theory I-II	6
Music 217-218 Sight-Singing and Ear Training III-IV	2
Music 219-419 Composition I-II	4
Music 247 Electronic Music Methods	2
Music 411 Form and Analysis	3
Music 413 Counterpoint	3
Music 415 Instrumentation	2
Music 431-432 Music History I-II	6
Music 441-442 Conducting I-II	4
Music Electives	9

Liberal Arts Requirements (53 hours)

Liberal Arts (2 hours)

LA 101 or HUM 101 (Honors)	2
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Studies in Biblical Traditions (6 hours)

REL 101, 102	6
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Studies in Communications (6 hours)

ENG 101	3
COMM 135 or 230	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 207	3
Laboratory science	6

Studies in Personal/Social Awareness (6 hours)

ECON 204, 210, HIST 201, 202, PHIL 101, 301, or PSC 101, 102, 202 (Honors)	3
CFS 206, PSY 101, 102, 204, 206, 318 (Honors) or SOC 101, 105	3

Studies to Enhance a World Perspective (12 hours)

ENG 201 or HUM 102 (Honors) and ENG 301	6
HIST 133, 134, or 135	3
ART 210, ENG 310, FA 301 (Honors), TH 110, or Music Ensembles	3
Foreign Language for BM Theory - French or German	12

Senior Capstone Course (as listed in major hours below)

Part of Applied credit in the Senior Project credit

For a **BM in combination with an outside field**, a student must complete the following curriculum:

Courses in Music (65 hours)

Applied Music Major	12
Applied Music Keyboard	4
Ensemble	8
Music 111-112 Elementary Theory I-II	6

Music 117-118	Sight-Singing and Ear Training I-II	2
Music 135-136	Introduction to Music History	2
Music 211-212	Advanced Theory I-II	6
Music 217-218	Sight-Singing and Ear Training III-IV	2
Music 431-432	Music History I-II	6
Music 441	Conducting I	2
Music Electives	(12 hours must be upper level).....	15
Outside Field (18 hours)		18
<u>Liberal Arts Requirements (47 hours)</u>		
Liberal Arts (2 hours)		
LA 101 or HUM 101 (Honors)		2
Studies in Biblical Traditions (6 hours)		
REL 101, 102		6
Studies in Communications (6 hours)		
ENG 101		3
COMM 135 or 230.....		3
Studies in Mathematics and Science (9 hours)		
Any Mathematics 100 level course, 201, or 207		3
Laboratory science.....		6
Studies in Personal/Social Awareness (6 hours)		
ECON 204, 210, HIST 201, 202, PHIL 101, 301, or PSC 101, 102, 202 (Honors)		3
CFS 206, PSY 101, 102, 204, 206, 318 (Honors) or SOC 101, 105.....		3
Studies to Enhance a World Perspective (12 hours)		
ENG 201 or HUM 102 (Honors) and ENG 301		6
HIST 133, 134, or 135		3
ART 210, ENG 310, FA 301 (Honors), TH 110, or Music Ensembles.....		3
Foreign Language		6
Senior Capstone Course (as listed in major hours below)		
Part of Applied credit in the Senior Recital Semester		

*Applied music must include at least one semester of upper division credit.
 The outside field must fulfill a minor, if offered, or have department of music approval.

For a **Minor in Music**, a student must complete the following:

- Music 111, 112, 135, 136
- Applied Music - 4 hours
- Music electives - 6 hours

A number of factors are considered in the decision to accept a student as a music major. Among the requirements that the faculty takes under advisement are the student’s ability to relate musical sound to notation and terminology both quickly and accurately enough to undertake basic musicianship, and the level of achievement in music performance demonstrated by audition for the appropriate faculty committee. Those who do not exhibit appropriate skills and knowledge in either area may be deferred for acceptance for one semester while they attempt to develop the necessary abilities. Decisions regarding these students will be made by the respective applied jury and the theory faculty at the end of the student’s first semester of study.

All music majors are advised by music faculty members. Sophomores and transfers are required to participate in a Sophomore/Transfer Review which assesses their possibilities of success as a music major. Different majors within music require different talents. The initial audition for acceptance and the above noted evaluation is intended to direct students into majors that match their abilities and desires.

Applied music instruction is available in piano, organ, voice, wind, percussion, and string instruments in either private lessons or for some instruments in group classes. Group classes (for non-music majors or secondary applied music majors) carry one hour of credit. Applied music finals are given by a faculty jury. All Bachelor of Music students must pass all portions of the piano proficiency examination before they are allowed to schedule a senior recital and for music education students before the Music Faculty will support their request for student teaching. Bachelor of Arts students are not required to pass piano proficiency. All Bachelor of Music candidates must audition for upper division status after four semesters of study in their major applied area. Keyboard majors are required to take MUS 205, Class Piano V.

Recitals may be given by all music majors. Performance majors are required to present a junior recital (presented jointly) and a full senior recital. Church Music, Music Education, and Music with an Outside Field majors are required to present a senior recital (presented jointly). Lecture recitals are an option to all except performance majors. A hearing will be held by a faculty committee at least two weeks prior to all junior and senior recitals. Recital candidates must pass the hearing before they are allowed to perform a junior or senior recital.

Music majors are required to attend 18 concerts or recitals presented by the Department of Music each semester. Non-music majors enrolled in applied music courses must attend a minimum of 5 recitals throughout the semester.

Performer's certificates are awarded in recognition of excellence of musicianship and technical proficiency. Students must be nominated by the faculty committee at their senior recital hearing. A ballot of the faculty will be taken following the performance.

Ensembles: Music majors are required to participate in one or more of the following ensembles: A Cappella Choir, Brass Ensemble, Concert Band, Jazz Ensemble, Lyric Theatre, Marching Band, Men's Chorus, Women Singers, or Woodwind Ensemble. Bachelor of Music candidates must participate in an ensemble each semester. Semester grades in ensembles are based on attendance and participation. For music majors only, ensemble hours above four may count as upper division credits for juniors and seniors.

Nursing

Kim Bolton, Greg Casalenuovo, Carolanne Henley, Gary Crotty, Pat Crotty, Beth Fiske, Cynthia Lynn, Sharon McAnear, Sue McBee, Pam Rogers, Angela Wood

Major

Nursing - The Carson-Newman College Department of Undergraduate Studies in Nursing offers studies toward a Bachelor of Science in Nursing degree. The traditional program consists of 8 semesters over four years with upper division nursing beginning in January. The accelerated program can be completed in 8 continuous semesters with an August entry into upper division nursing courses.

Accreditation

Carson-Newman College Baccalaureate Program in Nursing is fully accredited by the Commission on Collegiate Nursing Education, One Dupont Circle, NW, Suite 530, Washington, DC 20036-1120, (202) 887-6791. The Baccalaureate Program is approved by the Tennessee Board of Nursing, holds membership in the Commission on Collegiate Nursing Education (CCNE) and the American Association of Colleges of Nursing, and is an Army ROTC Partnership in Nursing Education (PNE) school.

The Department of Undergraduate Studies in Nursing has faculty offices, classrooms and a health assessment lab in the Hannah Hylton Pedersen Nursing Building, located on Davis Street, and administrative offices, faculty offices, computer lab, clinical skills lab and student lounge in Heritage Hall immediately behind the Pedersen Building. An additional health assessment laboratory is located in Pedersen East. Nursing majors have clinical study and practice at a variety of institutions and health care facilities in both rural and urban settings.

Carson-Newman College Department of Undergraduate Studies in Nursing offers a rigorous baccalaureate nursing curriculum that includes academic and clinical performance requirements. To be awarded a bachelor's degree in nursing, the student must successfully complete both elements of the program. Students who receive a nursing degree from Carson-Newman College will have been exposed to the skills and knowledge necessary to attain licensure and to perform the clinical tasks normally expected of registered nurses.

All nursing majors are eligible for membership in the National Student Nurses' Association. Membership in the Rho Mu-at-large chapter of Sigma Theta Tau, International, is available by invitation based on GPA and class standing.

Admission

Criteria to Begin Nursing Courses

All students must meet the following admission criteria:

1. GPA 2.75 or higher.
2. Completion of all prerequisite courses with a C or better.
3. Successful completion of a criminal background check.
4. Successful completion of all prerequisite courses into nursing with the maximum of one retake per course.
5. Achievement of a score of 60% or greater on the TEAS test (for Traditional, Accelerated, Fast-Track and LPN to BSN programs).

Nursing Curriculum Requirements

There are three groups of courses that are taken to satisfy nursing degree requirements — prerequisites, liberal arts, and nursing.

1. Prerequisites are completed prior to beginning nursing courses. All students must meet the prerequisite requirements with a C or better.
 - Anatomy and Physiology I and II (BIOL 207, 208)
 - Microbiology (BIOL 316)
 - General Chemistry (CHEM 101)
 - Human Development Across the Lifespan (CFS 206 or PSY 206)

- English 101, 201
 Science of Nutrition (must be a 200 level nutrition course)
 Statistics (MATH 201 prior to beginning nursing courses for the accelerated program or prior to NURS 315 for the traditional program)
- Liberal Arts Core Curriculum contains those courses as specified in the college catalog. There are no foreign language requirements for the nursing degree.
 - Nursing courses comprise 65 semester hours including NURS 200, 202, 203, 212, 217, 302, 303, 307, 308, 315, 404, 405, 412, 413, 414, and an approved nursing elective. NURS 405 is the Senior Capstone Course required to fulfill liberal arts core requirements. **See below for sequence of nursing courses.**

Liberal Arts Requirements (48 hours)**Liberal Arts (2 hours)**

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (15 hours)

Mathematics 2013

Biology 207, 208.....8

Chemistry 1014

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3

Child and Family Studies 206 or Psychology 206.....4

Studies to Enhance a World Perspective (12 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

History 133, 134, or 1353

Senior Capstone Course (as listed in major hours below)

Nursing 405

Additional Courses Required for Nursing Major (7)

Biology 316.....4

Food and Nutrition 214.....3

Elective Hours (8 hours).....8

Traditional Program Requirements (65 hours)**Accelerated Program Requirements (65 hours)****LPN to BSN Program Requirements (65 hours)****Fast-Track Program Requirements (65 hours)****TRADITIONAL PROGRAM (65 hours)****First Semester – Spring**

NURS 200 Cognitive Approaches to Nursing2

NURS 202 Health Assessment3

NURS 203 Pharmacology3

NURS 212 Foundations of Nursing.....4

NURS 217 Health Care of the Elderly2

Second Semester – Fall

NURS 302 Introduction to Altered Health States.....3

NURS 303 Health Pattern Alterations in Adults8

Third Semester – Spring

NURS 307 Child Health Patterns5

NURS 308 Psychiatric Nursing5

NURS 315 Foundations of Nursing Research.....3

Fourth Semester – Fall

NURS 404 Community Health Nursing5

NURS 413 Childbearing Health Patterns and Alterations.....5

Nursing elective2

Fifth Semester – Spring

NURS 405	Leadership and Management	6
NURS 412	Dimensions of Professional Nursing	3
NURS 414	Complex Alterations of Health Patterns	6

ACCELERATED PROGRAM (65 hours)**First Semester – Fall**

NURS 200	Cognitive Approaches to Nursing	2
NURS 202	Health Assessment	3
NURS 203	Pharmacology	3
NURS 212	Foundations of Nursing.....	4
NURS 217	Health Care of the Elderly	2

Second Semester – Spring

NURS 302	Introduction to Altered Health States.....	3
NURS 303	Health Pattern Alterations in Adults	8

Third Semester – Summer

NURS 307	Child Health Patterns	5
NURS 413	Childbearing Health Patterns and Alterations.....	5
	Nursing elective	2

Fourth Semester – Fall

NURS 308	Psychiatric Nursing	5
NURS 315	Foundations of Nursing Research.....	3
NURS 404	Community Health Nursing	5

Fifth Semester – Spring

NURS 405	Leadership and Management	6
NURS 412	Dimensions of Professional Nursing	3
NURS 414	Complex Alterations of Health Patterns	6

LPN TO BSN PROGRAM (65 hours)**First Semester – Spring**

NURS 200	Cognitive Approaches to Nursing	2
NURS 202	Health Assessment	3
NURS 203	Pharmacology	3
NURS 214	LPN to RN Transitions.....	2
NURS 217	Health Care of the Elderly	2

Second Semester – Fall

NURS 302	Introduction to Altered Health States.....	3
NURS 303	Health Pattern Alterations in Adults	8

Third Semester – Spring

NURS 307	Child Health Patterns	5
NURS 308	Psychiatric Nursing	5
	Nursing elective	2

Fourth Semester – Fall

NURS 315	Foundations of Nursing Research.....	3
NURS 404	Community Health Nursing	5
NURS 413	Childbearing Health Patterns and Alterations.....	5

Fifth Semester – Spring

NURS 405	Leadership and Management	6
NURS 412	Dimensions of Professional Nursing	3
NURS 414	Complex Alterations of Health Patterns	6

FAST-TRACK PROGRAM (65 hours)**First Semester –Summer**

NURS 200	Cognitive Approaches to Nursing	2
NURS 202	Health Assessment	3
NURS 203	Pharmacology	3
NURS 212	Foundations of Nursing.....	4
NURS 217	Health Care of the Elderly	2

Second Semester – Fall

NURS 302	Introduction to Altered Health States.....	3
NURS 303	Health Pattern Alterations in Adults	8
NURS 308	Psychiatric Nursing.....	5
	Nursing Elective.....	2

Third Semester – Spring

NURS 307	Child Health Patterns	5
NURS 315	Foundations of Nursing Research.....	3
NURS 404	Community Health Nursing.....	5
NURS 413	Childbearing Health Patterns and Alterations.....	5

Fourth Semester – Spring

NURS 405	Leadership and Management	6
NURS 412	Dimensions of Professional Nursing	3
NURS 414	Complex Alterations of Health Patterns	6

RN-BSN PROGRAM

The prerequisites and general education requirements are the same as for the other undergraduate tracts. RN's holding a current, unencumbered license in Tennessee will receive 30 semester hours of credit for knowledge gained in the basic nursing program. These credits will be added to the transcript when the student has successfully taken and completed 12 semester hours to include at least one senior level (400 level) nursing course. Students with a current RN license must complete NURS 202, 301, 302, 315, 404, 405, 412, a nursing elective and 6 hours of career-path electives.

Nursing Major

All students who declare nursing as a major are assigned a departmental advisor who will closely follow the student's academic progress. Those students who wish to transfer into nursing from another major must first file a change of major form and be assigned an advisor for nursing. Transfer students from other institutions must have their previous work evaluated before being admitted to the college and declaring a nursing major. Granting credit for coursework completed at other institutions is determined by the chair of the undergraduate studies in nursing department and the registrar.

Types of Students

1. Qualified **high school seniors admitted as freshmen** to Carson-Newman College may at the time of admission to the College be provisionally admitted to the nursing major. Freshman admission to the nursing major guarantees the student, upon successful completion of prerequisites and satisfying all admission criteria, are guaranteed placement in the nursing program in the second semester of the sophomore year. Students will complete an application in the semester prior to their projected start of nursing coursework.
2. Carson-Newman students who begin as freshmen in a different major and then **change majors into nursing**, must complete an application to begin the nursing major form. Admission to the nursing major guarantees the student, upon successful completion of prerequisites and satisfying all admission criteria, placement in the nursing program. Students will complete an application in the semester prior to their projected start of nursing coursework.
3. **Transfer students** must complete an application for admission to the nursing program. Admission into the nursing program is dependent upon successful completion of prerequisites and satisfying all admission criteria. Transfer students will be considered on a space available basis.
4. **Transfer students with nursing coursework** completed at other institutions must complete an application for admission to the nursing program. In addition, the student must attach a letter of good standing from the previous nursing college faculty. A student must have one or no nursing course failures as defined by the previous institution to be considered for admission. Admission into the nursing program is dependent upon successful completion of prerequisites and satisfying all admission criteria. Transfer students will be considered on a space available basis.
5. Students with an RN license who wish to begin **the RN-BSN program** must complete an application for admission to the nursing program. Admission into the nursing program is dependent upon successful completion of prerequisites and satisfying all admission criteria. The student must also provide proof of an unencumbered Tennessee License. To validate previous nursing knowledge, the student must successfully complete the equivalent of a full-time semester (12 semester hours) of clinical nursing coursework. When this requirement is met, thirty semester hours credit will be awarded and added to the student's transcript.
6. Students with an LPN license who wish to begin **the LPN-BSN program** must complete an application for admission to the nursing program. Admission into the nursing program is dependent upon successful completion of prerequisites and satisfying all admission criteria. The student must also provide proof of an unencumbered Tennessee License. The student may validate previous nursing knowledge by successfully completing NURS 214. LPN's may also challenge selected sophomore and junior level clinical courses. For more information about department exams and passing criteria, please contact the undergraduate department of nursing.
7. Students wishing to pursue nursing after graduating from college may enter the **Fast-Track program for second degree students**. This 15 month program was specifically developed for those students who would like to study nursing and hold a previous Bachelor's degree. Admission into the nursing program is dependent upon successful completion of prerequisites and satisfying all admission criteria as listed on the previous page.

8. **Admission information:** If the number of qualified students exceeds the number that can be accommodated in the class, the following criteria will be utilized in selection: cumulative GPA, Carson-Newman credit hours, ROTC enrollment, current military service, prior nursing education or experience, prior degree, nursing prerequisite grades, number of course withdrawals and repeats, grade improvement over time, number of prerequisite courses to complete, and interview as deemed necessary by admission and progression committee.
9. After graduation from Carson-Newman, registered nurse (RN) licensure is acquired when the NCLEX-RN examination is successfully completed. Any state board of nursing reserves the right to deny licensure to anyone ever convicted of a crime other than a minor traffic violation. Anyone having such a conviction should contact the appropriate state board of nursing for advice prior to enrolling in nursing as a major.

The RN-BSN, LPN-BSN, and fast-track programs are offered when adequate enrollment is met.

Please see the nursing student handbook at www.cn.edu/nursing/ for additional information and policies.

Philosophy

Brian Austin, John McClellan

Majors

Philosophy
Philosophy/Religion

The Philosophy program is located on the third floor of Henderson Humanities Building in the Philosophy, Linguistics, and World Languages Suite.

Students who have completed six hours in philosophy and who have a 3.00 GPA are eligible for membership in Phi Sigma Tau, the philosophy national honor society.

Students earning a philosophy major must demonstrate competency in a modern foreign language at the sophomore (201/202) level or achieve equivalent credit through placement tests.

Liberal Arts Requirements (47 hours)

Liberal Arts (2 hours)	
Liberal Arts 101	2
Studies in Biblical Traditions (6 hours)	
Religion 101, 102.....	6
Studies in Communications (6 hours)	
English 101	3
Communication 135 or 230	3
Studies in Mathematics and Science (9 hours)	
Any Mathematics 100 level course, 201, or 207	3
Laboratory Science	6
Studies in Personal/Social Awareness (6 hours)	
Economics, History, Philosophy, or Political Science	3
Child and Family Studies, Psychology, or Sociology.....	3
Studies to Enhance a World Perspective (12 hours)	
English 201, 301	6
ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....	3
History 133, 134, or 135	3
Foreign Language (in sequence at appropriate level)	6
Senior Capstone Course (as listed in major hours below)	
Philosophy 410	

For a major in philosophy, a student must complete no fewer than 28 hours of philosophy courses, including PHIL 410 during the senior year.

Philosophy Requirements (28 hours)

PHIL 101	Practical Reasoning.....	3
PHIL 102	Introduction to Philosophy.....	3
PHIL 204	Principles of Logic and Science.....	3
PHIL 301	Christian Ethics.....	3
PHIL 303	Ancient Philosophy.....	3
PHIL 304	Medieval Philosophy	3
PHIL 305	Modern Philosophy.....	3

PHIL 306	Contemporary Philosophy	3
PHIL 321	Religion and Science.....	3
PHIL400	Teaching Assistantship	1-3
PHIL 401	Problems of Philosophy	3
PHIL 402	Philosophy of Religion	3
PHIL 403	Aesthetics	3
PHIL 404	Nonwestern Religious Thought	3
PHIL 410	Philosophy Colloquium	1

Elective Hours (53 hours)53

For a major in philosophy/religion, a student must complete a total of 37 hours--16 hours of philosophy and 21 hours of religion. The following courses are required:

Philosophy/Religion Requirements (43 hours)

PHIL 101	Practical Reasoning.....	3
PHIL 301	Christian Ethics.....	3
PHIL 303	Ancient Philosophy.....	3
PHIL 402	Philosophy of Religion	3
PHIL 410	Philosophy Colloquium	1
PHIL 304	Medieval Philosophy	3
or PHIL 305	Modern Philosophy.....	3
or PHIL 306	Contemporary Philosophy	3
REL 101	Introduction to the Old Testament (as listed in liberal arts hours above)	
REL 102	Introduction to the New Testament (as listed in liberal arts hours above)	
REL 296	Theological Research.....	3
REL 339	History of Christianity	3
REL 361	Introduction to Systematic Theology.....	3
Two 300/400 REL Electives (one in Old Testament and one in New Testament).....		6

Elective Hours (60 hours)60

Physical Education

Melanie Hodgson, Jean Love

Major

Physical Education

The Physical Education degree prepares students to enter the Physical Education and Wellness field with a K-12 teacher licensure. For the Physical Education K-12 licensure degree only, students must make a grade of “C” or better in courses marked with an asterisk.

For those not completing admission to the Teacher Education Program I or II, EDUC 350, 463, 465, and 467 must be substituted with 15 hours of advisor approved electives. If this option is taken, students will not be licensed to teach.

Liberal Arts Requirements (43 hours)

Liberal Arts (2 hours)

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)

Religion 101, 102.....	6
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Studies in Communications (6 hours)

English 101*	3
Communication 135* or 230*	3

Studies in Mathematics and Science (11 hours)

Any Mathematics 100 level course, 201, or 207	3
Biology 207*.....	4
Biology 208*.....	4

100 Physical Education

Studies in Personal/Social Awareness (6 hours)

History 201 or 202; Economics 204 or 210; Philosophy 101 or 301; Political Science 101, 102, or 202 (Honors)	3
Psychology 204	3

Studies to Enhance a World Perspective (12 hours)

English 201*, 301	6
Art 210 or Music 133	3
History 133, 134, or 135	3

Senior Capstone Course (as listed in major hours below)

Physical Education 404*	
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Physical Education Core (32 hours)

PE 101* Introduction to Physical Education	1
PE 102* History and Philosophy of Physical Education	1
PE 103* Practicum in Physical Education I	1
PE 301* Teaching Physical Education in the Elementary School	3
PE 303* Rhythmic Movement Education	3
PE 313* Adapted Physical Education	3
PE 315* Practicum in Physical Education II	1
PE 360* Theory and Methods of Individual and Dual Sports	3
PE 361* Theory and Methods of Team Games and Leisure Activities	3
PE 402* Human Motor Learning and Performance	3
PE 403* Teaching Physical Education and Wellness in the Secondary School	3
PE 404* Measurement and Evaluation	3
PE 032* Weight Training	1
* Any racquet sport class	1
* Any two activity elective classes	2

Professional Education Requirements (23 hours)

EDUC 203* Foundations of Education	3
EDUC 204* Educational Technology	3
EDUC 350* Diversity in Schools, Homes, and Communities	2
EDUC 463* Seminar in Student Teaching	2
EDUC 465* Student Teaching: Placement One	5
EDUC 467* Student Teaching: Placement Two	5
SPED 313* Survey of Persons with Exceptionalities	3

Related Area Requirements (17 hours)

BIOL 101 * Human Biology	3
BIOL 403* Physiology of Exercise	4
BIOL 407* Kinesiology	4
HLTH 202* Wellness: a Lifetime Objective	3
HLTH 203* First Aid and Safety Education	3

Elective Hours (13 hours)	13
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PHYSICAL EDUCATION with Emphasis in Recreation

The Physical Education degree with an emphasis in Recreation provides students with basic knowledge of and experience in the field of recreation.

For a BS degree in **Physical Education with an emphasis in Recreation**, the student must complete the following requirements:

Liberal Arts Requirements (41 hours)

Liberal Arts (2 hours)

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)

Religion 101, 102	6
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Studies in Communications (6 hours)

English 101	3
Communication 230	3

Studies in Mathematics and Science (9 hours)	
Any Mathematics 100 level course, 201, or 207	3
Biology 101, 102, 105, 106, 207, or 208	6
Studies in Personal/Social Awareness (6 hours)	
Economics, History, Philosophy, or Political Science	3
Child and Family Studies, Psychology, or Sociology	3
Studies to Enhance a World Perspective (12 hours)	
English 201, 301	6
ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....	3
History 133, 134, or 135	3

*Students must make a grade of "C" or better in courses marked with an asterisk.

Physical Education (24 hours)

PE 202*	Principles of Coaching	2
PE 301*	Teaching Physical Education in the Elementary School.....	3
PE 303*	Rhythmic Movement Education	3
PE 313*	Adapted Physical Education	3
PE 326*	Concepts in Exercise and Sport Behavior.....	3
PE 360*	Theory and Methods of Individual and Dual Sports.....	3
PE 361*	Theory and Methods of Team Games and Leisure Activities	3
PE 032*	Weight Training.....	1
* Any three activity elective classes		3

Recreation (27 hours)

REC 200*	Foundations of Recreation	3
REC 220*	Recreation Practicum	3
REC 304*	Recreation Program Planning and Management.....	3
REC 306*	Administration of Recreation Programs	3
REC 340*	Outdoor Recreation	3
REC 440*	Wilderness Leadership	3
REC 461*	Critical Issues in Recreation (capstone course)	3
REC 465*	Internship	6

Related Area Requirements (14 hours)

BAD 201	Business Communications	3
EDUC 204	Educational Technology	3
EDUC 350	Diversity in Schools, Homes, and Communities	2
HLTH 202	Wellness: a Lifetime Objective	3
HLTH 203	First Aid and Safety Education	3

Elective Hours (22 hours)22

Physical Education Add-on Endorsement

This option is for individuals already possessing a teaching license and wanting to add the physical education endorsement. In order to gain the endorsement, the courses must meet the knowledge and skills of the teaching areas, thereby satisfying the requirement for adding this endorsement to an existing license. An initial license requires that the same knowledge and skill be met plus the equivalent of an undergraduate major. Every endorsement (initial and add-on) requires the pertinent PRAXIS specialty area test(s).

The minimum total hour requirement for the add-on is 29. The following courses are required:

PE 301	Teaching Physical Education in the Elementary School.....	3
PE 303	Rhythmic Movement Education	3
PE 313	Adapted Physical Education	3
PE 360	Theory and Methods of Individual and Dual Sports.....	3
PE 361	Theory and Methods of Team Games and Leisure Activities	3
PE 402	Human Motor Learning and Performance	3
PE 403	Teaching Physical Education and Wellness in the Secondary School	3
BIOL 403	Physiology of Exercise	4
BIOL 407	Kinesiology	4

Additional Field Experience (as deemed appropriate if needed, depending on previous experience and area of initial licensure)

Driver Education Endorsement

The department offers courses through which a student will be qualified to add a driver education instructor endorsement to the teaching certification. The courses are offered during the summer session only.

Coaching Education

The coaching education program is designed for those individuals who are interested in becoming a successful coach. The program offers the coaching principles certification through the American Sport Education Program (ASEP) and is available to any major.

Physics

Michael D. Seale

Major

Physics

Emphases

Applied Physics

Professional Physics

Minor

Physics

The Physics program is located on the first level of Dougherty Science Center. Facilities include the Brown Laboratory of Physics, shop, darkroom, classrooms, and student study room.

The Physics program offers a high-quality, contemporary Physics Major and a Physics Minor. The major provides a solid foundation in the core areas of physics suitable as a preparation for careers in science and engineering or as a springboard for applying technical knowledge in such fields as business, medicine, law, public policy, and education.

The major has a strong fundamental technical core consisting of 39 hours of classes in general physics with lab, intermediate physics, calculus, differential equations, and general chemistry with lab. Professional Physics requires an additional 15 hours of coursework in physics for a total of 54 hours. Applied Physics requires a student to select courses in a variety of different disciplines to complete the required 15 hours.

Professional Physics is intended primarily to prepare graduates for entry into respected graduate or professional schools. Through classes and laboratories, directed research, and summer internships, graduates of the program will be well-prepared for further study.

Applied Physics involves selected coursework and research chosen from among a variety of applied topics in physics and cognate areas in the sciences, mathematics, and computer science. Applied Physics is intended to prepare students for graduate work in engineering, graduate work in a health-related profession, or for entry-level employment in a variety of technical fields immediately following graduation.

Teacher Licensure is intended for students who plan on teaching physics at the high school level. Students can complete either the applied or professional physics emphasis and must also complete the state licensure requirements as outlined by the Education Department.

Pre-Engineering is intended for students who plan to transfer to an undergraduate engineering program after completing two years of study at Carson-Newman. Students interested in obtaining a four-year degree and then entering into a graduate engineering program should follow the Applied Physics emphasis.

The **Physics Minor** consists of 20 hours of classes and laboratory work taken in physics and mathematics.

Liberal Arts Requirements (32 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (9 hours)

Mathematics 151 (as listed in major hours below)

Physics 201, 202 (as listed in major hours below)

Studies in Personal/Social Awareness (6 hours)
 Economics, History, Philosophy, or Political Science3
 Child and Family Studies, Psychology, or Sociology3

Studies to Enhance a World Perspective (12 hours)
 English 201, 3016
 ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3
 History 133, 134, or 1353

Senior Capstone Course (as listed in major hours below)
 Physics 491

Common core courses required for Applied Physics and Professional Physics (39 hours)

PHYS 201	Principles of Physics I (with lab)	4
PHYS 202	Principles of Physics II (with lab).....	4
PHYS 307	Modern Physics.....	3
PHYS 318	Experimental Physics.....	2
PHYS 491	Senior Seminar I	1
PHYS 492	Senior Seminar II	2
MATH 151	Calculus I	3
MATH 152	Calculus II.....	3
MATH 211	Calculus III.....	3
MATH 213	Calculus IV	3
MATH 303	Differential Equations	3
CHEM 103	General Chemistry I.....	4
CHEM 104	General Chemistry II.....	4

Professional Physics Requirements (15 hours)
 Fifteen additional hours from physics courses number 300 or above15

Elective Hours (42 hours)42

Applied Physics Requirements (15 hours)
 Fifteen additional hours selected from the courses below. At least 3 hours must be in physics and at least 9 hours must be at the 300-level or above. Courses may be substituted at the discretion of the advisor in order to customize curricula for individual students.

BAD 215	Business Information Tools	3
BIOL 105	General Biology I.....	4
BIOL 106	General Biology II	4
BIOL 315	Ecology	4
BIOL 405	Environmental Assessment	4
CHEM 301	Organic Chemistry I.....	4
CHEM 302	Organic Chemistry II	4
CHEM 305	Quantitative Analysis	4
CHEM 306	Instrumental Methods of Analysis	4
CSC 107	Computer Programming I	3
CSC 108	Computer Programming II	3
CSC 109	Introduction to FORTRAN	3
ENDR 201	Engineering Drawing I.....	3
ENDR 202	Engineering Drawing II	3
MATH 304	Mathematical Modeling	3
MATH 406	Mathematical Statistics	3
MATH 408	Numerical Methods.....	3
MATH 409	Complex Analysis	3
Any PHYS course numbered 300 or higher		

Elective Hours (42 hours)42

Courses required for a Physics Minor (20 hours)

PHYS 201	Principles of Physics I (with lab)	4
PHYS 202	Principles of Physics II (with lab).....	4
Any physics course numbered 300 or above		6
MATH 151	Calculus I	3
MATH 152	Calculus II.....	3

For student planning to attend graduate school, additional courses in physics and mathematics are recommended. These courses should be chosen in consultation with the student’s advisor.

AP Credit

To obtain AP credit for PHYS 103 and 104, students must score 4 or above on the AP exam. On AP Test B, a score of 4 will receive credit for PHYS 103 and a score of 5 will receive credit for PHYS 103 and 104. On AP Test C: Mechanics, a score of 4 or above will receive credit for PHYS 201. On AP Test C: Electricity and Magnetism, a score of 4 or above will receive credit for PHYS 104.

Psychology

James E. Collins, April K. Dye, Carolyn Hacker, Larry Osborne, Tammy Renalds, Nicole Saylor, Laura Wadlington

Majors

- General Psychology
- Applied Psychology
- Social Entrepreneurship

Minors

- Applied Developmental Psychology
- Applied Psychology
- Criminology
- Mental Health
- Positive Psychology
- Social Entrepreneurship

Interdisciplinary Minors (See descriptions under Majors, Emphases, Minors, Programs.)

- Appalachian Studies
- Conflict and Justice Studies
- Environment and Community
- Gerontology

The Psychology Department at Carson-Newman College seeks to provide an excellent undergraduate learning experience within a supportive Christian environment. The department is located in the Chambliss Building. In addition to traditional academic courses, the Psychology Department offers several practical opportunities through community field work, internships, independent research projects and teaching assistantships. One distinguishing feature of the Psychology Department is our emphasis on community participation and service. Following graduation, alumni have entered a variety of vocational fields, including mental health, the ministry, education, law, research, business and industry.

Students may choose between two primary majors: General Psychology and Applied Psychology. General Psychology provides an overview of the field of psychology and is ideal for the student wishing to double major or go onto further study in research psychology. Applied Psychology emphasizes applied skills for students going into bachelor’s level mental health work or graduate study in applied fields such as counseling, youth work, or social services. An additional major, Social Entrepreneurship, is available for students wishing to help people by building strong communities through non-profit organizations of public policy advocacy. All majors are expected to participate in the co-curricular program of the psychology department by attending announced meetings, guest speaker programs as well as working closely with their faculty advisors in academic and career planning.

Students in both psychology majors are eligible for membership in Psi Chi, the national psychology honor society, and the Psychology Student Leadership Council, which helps plan departmental activities.

Because recommended job and graduate school preparations can vary widely depending on career direction, CAREFULLY PLAN your course of studies by meeting regularly with your faculty advisor.

Teacher Licensure - Students planning to teach psychology must also meet requirements of the teacher education program.

Advanced Placement - Three hours of credit for general psychology will be granted for a score of 4 or 5. Applicants must submit to the chair of the department a written description of the content of their high school psychology course, the most important and interesting topics they covered, and any course activities or projects. The chair will determine whether credit is to be awarded for PSY 101 or 102.

Liberal Arts Requirements (47-49 hours)

Liberal Arts (2 hours)

Liberal Arts 101 2-3

Studies in Biblical Traditions (6 hours)
 Religion 101, 102.....6

Studies in Communications (6 hours)
 English 1013
 Communication 135 or 2303

Studies in Mathematics and Science (9 hours)
 Any Mathematics 100 level course, 201, or 2073
 Laboratory Science6

Studies in Personal/Social Awareness (6 hours)
 Economics, History, Philosophy, or Political Science3
 Child and Family Studies, Psychology, or Sociology 3-4

Studies to Enhance a World Perspective (12 hours)
 English 201, 3016
 ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3
 History 133, 134, or 1353
 Foreign Language (in sequence at appropriate level)6

Senior Capstone Course (as listed in major hours below)
 Psychology 412

General Psychology Major

Designed for students interested in a broadbased, liberal arts education with a comprehensive introduction to the field of psychology. The psychology majors require six hours of foreign language at the 100 level or higher.

General Psychology Requirements (30-31 hours)

PSY 101	Introduction of Behavioral Science	3
PSY 102	Understanding Human Behavior.....	3
PSY 204	Childhood and Adolescence.....	3-4
or 206	Human Development Through the Lifespan	
PSY 213	Statistics and Research Design	4
PSY 301	Social Psychology.....	3
or 318	Ecological Psychology	
PSY 302	Abnormal Psychology.....	3
PSY 305	History and Systems of Psychology	3
PSY 412	Senior Seminar.....	2
PSY Electives.....		6

Elective Hours (48-51 hours)..... 48-51

Collateral Areas:

It is highly recommended that students preparing for graduate study in psychology, theology, law, medicine, or other professions take an additional emphasis, minor, or major in one or more areas of the liberal arts: biology, math, computer science, English, philosophy, religion, foreign language, political science, history, sociology, cross-cultural sociology, art, music, environment and community, conflict and justice studies, creative writing, film study, women’s studies, Latin American studies, Appalachian studies, photography, management, or economics.

Applied Psychology Major

Designed for students who are planning on a career at the bachelors level, who plan to pursue graduate training in an allied health and human service field or who wish to add psychology as a second major. The psychology majors require six hours of foreign language at the 100 level or higher.

Applied Psychology Requirements (37 hours)

PSY 101	Introduction to Behavior Science.....	3
PSY 102	Understanding Human Behavior.....	3
PSY 206	Human Development Through the Lifespan.....	4
PSY 213	Statistics and Research Design	4
PSY 301	Social Psychology.....	3
or PSY 318	Ecological Psychology	
PSY 302	Abnormal Psychology.....	3
PSY 305	History and Systems of Psychology	3

PSY 412	Senior Seminar	2
PSY 413	Counseling Theories and Techniques.....	3
SOC 309	Marriage and Family.....	3
or CFS 301	Family Relationships	
Additional 6 hours of Psychology courses.....		6

Elective Hours (42-44 hours)..... 42-44

Collateral Areas:

It is highly recommended that Applied Psychology majors who plan on working at the bachelors level after graduation or applying to a masters program in counseling or an allied health or human services field take an additional minor, or major in one or more career-related areas: human services, gerontology, English, mass communication, child and family studies, leisure science, religion, environment and community, conflict and justice studies, business administration, management, marketing, international education and missions, or computer studies.

Social Entrepreneurship Major

The Social Entrepreneurship: Citizens Creating Change for the Common Good is a major designed to equip students to assume positions of leadership and service in the citizenship sector working for positive change in the world and to start their own volunteer or non-profit organizations intended to address an identified social injustice or human need. The psychology majors require six hours of foreign language at the 100 level or higher. Students take 23 hours to include:

Social Entrepreneurship Requirements (32 hours)

ECON 204	Economic Concepts	3
or ECON 210	Principles of Microeconomics	
MGT 306	Organizational Behavior	3
PSY 408	Psychology of Gender.....	3
or PSC 323	Global Feminisms: Women in the Modern World	
PSY 212	Social Entrepreneurship Seminar.....	1
PSY 323	Psychology of Nonviolence and Peace	3
PSY 312	Social Entrepreneurship Practicum.....	2
REL/PHIL 301	Christian Ethics.....	3
PSY 301	Social Psychology	3
or SOC 205	Sociology of Community	
PSY 412	Senior Seminar	2

Additional 9 hours of one course from each of the following subject areas:

Political Science:

PSC 101	Introduction to Civil Rights and Liberties	3
PSC 102	American Government and Politics	3
PSC 409	Contemporary Issues in U. S. Public Policy	3

Sociology:

SOC 207	American Minority Groups.....	3
SOC 305	Urban Sociology	3
SOC 402	People and Problems of the Third World.....	3

Social Science Elective:

PSC 241	History of Environmentalism and Environmental Politics	3
PSY 318	Ecological Psychology.....	3
SOC 311	Environmental Sociology.....	3

Elective Hours (47-49 hours)..... 47-49

Minor in Applied Psychology (18 hours)

PSY 101	Introduction to Behavioral Science.....	3
PSY 102	Understanding Human Behavior.....	3
PSY Electives	.....	12

Minor in Applied Developmental Psychology (17 hours)

PSY 101	Introduction to Behavioral Science.....	3
or PSY 102	Understanding Human Behavior	
PSY 206	Human Development Through the Lifespan.....	4

PSY 204	Childhood and Adolescence.....	3
or PSY 208	Adolescent and Adult Psychology	
or PSY 407	Gerontology	
PSY 318	Ecological Psychology.....	3
or PSY 410	Community Field work	
or PSY 416	Seminar in Developmental Psychology	
SOC 309	Marriage and Family.....	3
or CFS 301	Family Relationships	
or CFS 304	Parenting	
PSY Electives.....		2-3

Minor in Criminology (18 hours)

PSC 101	Introduction to Civil Right and Liberties.....	3
or PSC 102	American Government and Politics	
PSY 102	Understanding Human Behavior.....	3
or SOC 105	Social Problems	
PSY 302	Abnormal Psychology.....	3
PSY 316	Forensic Psychology.....	3
SOC 208	Introduction to Criminology.....	3
SOC 401	Family Violence.....	3

Minor in Mental Health (20 hours)

PSY 102	Understanding Human Behavior.....	3
PSY 206	Human Development Through the Lifespan.....	4
PSY 302	Abnormal Psychology.....	3
PSY 304	Child and Adolescent Psychopathology.....	3
or PSY 316	Forensic Psychology	
PSY 309	Personal Adjustment and Health.....	3
PSY 410	Community Fieldwork.....	1
PSY 413	Counseling Theories and Techniques.....	3

Minor in Positive Psychology (18 hours)

PSY 101	Introduction to Behavioral Science.....	3
or PSY 102	Understanding Human Behavior	
PSY 309	Psychology of Adjustment and Health.....	3
PSY 425	Positive Psychology.....	3

Six (6) hours from the following:

PSY 301	Social Psychology.....	3
PSY 318	Ecological Psychology.....	3
PSY 323	Psychology of Nonviolence and Peace.....	3
PSY 325	Psychology of Humor.....	3
PSY 405	Psychological Testing.....	3
PSY 406	Personality Theories.....	3
PSY 408	Psychology of Gender.....	3
PSY 413	Counseling Theories and Techniques I.....	3
PSY 491	Psychological Research.....	1-3

Experience/Capstone Electives (any combination for 3 hours)

PSY 410	Community Field Work.....	1
PSY 491	Psychological Research.....	1

Minor in Social Entrepreneurship (18 hours)

ECON 204	Economic Concepts.....	3
or ECON 210	Principles of Microeconomics	
MGT 306	Organizational Behavior.....	3
PSC 102	American Federal Government I.....	3
or PSC 330	Law in American Society	
or PSC 409	Contemporary Issues in U. S. Public Policy	
PSY 212	Social Entrepreneurship Seminar.....	1
PSY 312	Social Entrepreneurship Practicum.....	2
REL/PHIL 301	Christian Ethics.....	3
PSY 301	Social Psychology.....	3
or SOC 205	Sociology of Community	

Religion

H. Wayne Ballard, Jr., Ross Brummett, David Crutchley, Donald W. Garner, Chad Hartsock, Mel Hawkins, Christine Jones, Andrew Smith

Majors

Biblical Languages

Philosophy/Religion (see Philosophy Department)

Religion

General

Emphasis in Biblical Studies

Emphasis in Leadership and Ethics

Emphasis in Ministry Studies

Emphasis in Missions

Emphasis in Spirituality and the Arts

Emphasis in Youth and Recreation Ministry

Minors

Biblical Languages

Greek

Hebrew

Missions

Oxford Studies

Religion

Interdisciplinary Minors (See descriptions under Majors, Emphases, Minors, Programs.)

Religious Studies

Women's Studies

Worship Leadership

The Department of Religion is located on the second floor of Henderson Humanities Building. The Religion major is designed to provide a foundational understanding of each of the major theological disciplines. Religion majors also have the opportunity to earn credit through practical experiences supervised by the faculty. A Religion faculty advisor will help the student plan a curriculum based on vocational goals. Majors are eligible for membership in Theta Alpha Kappa, the national Religion honor society. Opportunities also exist for students to study at Oxford University, to intern with the Baptist Joint Committee for Religious Liberty in Washington, DC, to participate in a travel seminar or an archaeological dig in the lands of the Bible, and to enroll in international mission practicums.

Majors are encouraged and assisted by the Religion faculty to pursue seminary or graduate studies following graduation. The background they receive at Carson-Newman College (including significant study offered in the biblical languages) makes our strongest majors eligible for advanced academic standing and significant graduate scholarships or fellowships.

Areas of Study:

Biblical Studies:

REL 313	Proverbs, Job, Ecclesiastes	3
REL 314	Psalms	3
REL 315	Worship in the New Testament	3
REL 317	Johannine Literature.....	3
REL 318	Sermon on the Mount.....	3
REL 319	Paul	3
REL 411	Parables of Jesus	3
REL 412	Luke-Acts.....	3
REL 415	Old Testament Prophets	3
REL 416	Woman and Biblical Tradition	3
REL 417	Pentateuch.....	3

Comparative Studies:

REL 320	Religions of the World	3
REL 322	New Religious Religion.....	3
REL 323	New Age Movements.....	2
REL 324	Islam.....	3
REL 329	Denominations in America	3
REL 404	Nonwestern Religious Thought	3
REL 420	Archaeology of Palestine	3
PHIL 321	Religion and Science.....	3

Historical Studies:

REL 339	History of Christianity	3
REL 355	History of the Baptist People	3
REL 357	Tutorial in Baptist Research I	3
REL 358	Tutorial in Baptist Research II	3
REL 359	Readings in British and Baptist Life.....	3
REL 433	American Religious History	3
REL 437	Woman in Christian History	3
REL 438	The Reformation: Protestant and Catholic.....	3
REL 459	Oxford Residency in Baptist Research	6

Ministry Studies:

REL 240	Introduction to Youth Ministry	3
REL 241	Introduction to Leadership	3
REL 347	Sermon Preparation and Delivery	3
REL 427	Religion and Film	3
REL 441	Love	1
REL 442	Grief	1
REL 443	Anger.....	1
REL 444	Guilt	1
REL 445	Self Esteem	1
REL 446	In Search of Yourself.....	1
REL 449	Introduction to Pastoral Theology and Care	3
REL 450	Discovering the Mission of God.....	3
REL 452	Cross Cultural Experience and World Awareness Practicum.....	3
REL 453	A History of the Church on Mission with God.....	3
REL 454	Topics in Missions	3

Theological Studies:

REL 301	Christian Ethics.....	3
REL 361	Introduction to Systematic Theology.....	3
REL 362	Readings in Christian Theology.....	3
REL 402	Philosophy of Religion	3

For a major in Biblical Languages, see the Foreign Language Department section of this catalog. The major in biblical languages is skill oriented and consists of at least 15 hours in one biblical language (either Koine Greek or Biblical Hebrew) and a minimum of 12 hours in the other. The major is designed as preparation for graduate study in biblical studies. The courses are offered through the Foreign Language Department and taught by the Religion Department faculty.

For a major in Philosophy/Religion, see the Philosophy Department section of this catalog.

Religion**General****Emphasis in Biblical Studies****Emphasis in Leadership and Ethics****Emphasis in Ministry Studies****Emphasis in Missions****Emphasis in Spirituality and the Arts****Emphasis in Youth and Recreation Ministry**

For a General major in Religion or for a major in Religion with an Emphasis area, the student will complete the Liberal Arts requirements and the Religion Core Requirements. These include:

Liberal Arts Requirements (47 hours)**Liberal Arts (2 hours)**

Liberal Arts 101	2
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Studies in Biblical Traditions (6 hours)

Religion 101, 102.....	6
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Studies in Communications (6 hours)

English 101	3
Communication 135 or 230	3

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 2073
 Laboratory Science6

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3
 Child and Family Studies, Psychology, or Sociology3

Studies to Enhance a World Perspective (12 hours)

English 201, 3016
 ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3
 History 133, 134, or 1353
 Foreign Language (in sequence at appropriate level)6

Senior Capstone Course (as listed in major hours below)

Religion 469

Religion Core Requirements (30 hours)

REL 201 Introduction to Ministry3
 REL 224 Spiritual Growth and Development3
 REL 296 Theological Research3
 (It is recommended that REL 296 be taken during the sophomore year.)
 REL 469 Senior Seminar.....3
 Biblical Studies Elective3
 Comparative Studies Elective3
 Historical Studies Elective or REL 3553
 Ministry Studies Elective3
 Theological Studies Elective3
 Additional Religion Elective.....3

For a General major in Religion, the student will complete the Liberal Arts Requirements and the Religion Core Requirements. However, if the student chooses to take any more courses in Religion (no more than 18 additional hours will count toward graduation), then the faculty strongly suggests up to 18 hours chosen from the “Areas of Study” courses as follows:

General Religion major (18 hours)

Biblical Studies Elective – a course in Old Testament3
 Biblical Studies Elective – a course in New Testament3
 Comparative Studies Elective3
 Historical Studies
 or Theological Studies Elective3
 REL Elective(s)
 or Biblical Language sequence (201-202)6

Elective Hours (51 hours)51

For a major in Religion with an Emphasis area, the student will complete the Liberal Arts Requirements and the Religion Core Requirements. The only difference in the curriculum among these different emphasis is found in the list of courses in the “Area Emphasis” which defines each particular major course of study.

For a major in Religion with Emphasis in Biblical Studies, the student will complete the Liberal Arts Requirements and the Religion Core Requirements. In addition, the student will complete 15 hours of required electives in the “Area Emphasis” courses as follows:

Biblical Studies Emphasis Requirements (15 hours)

Biblical Studies Elective (course in Old Testament)3
 Biblical Studies Elective (course in New Testament)3
 Biblical Studies Elective (course in Old or New Testament)3
 Hebrew 201-202 sequence OR Greek 201-202 sequence6

Elective Hours (36 hours)36

For a major in Religion with Emphasis in Leadership and Ethics, the student will complete the Liberal Arts Requirements and the Religion Core Requirements. In addition, the student will complete 18 hours of required electives to be selected from the “Area Emphasis” courses as follows:

Leadership and Ethics Emphasis Requirements (18 hours)

REL 241	Introduction to Leadership	3
REL 301	Christian Ethics (also PHIL 301)	3
REL 415	Prophets	3
or REL 313	Proverbs, Job, Ecclesiastes	
REL 318	Sermon on the Mount	3
REL Elective		
	Theological Studies Elective or Historical Studies Elective	3
PSC 315	Contemporary International Issues	3
or PHIL 306	Contemporary Philosophy	
Elective Hours (33 hours)	.....	36

For a major in Religion with Emphasis in Ministry Studies, the student will complete the Liberal Arts Requirements and the Religion Core Requirements. In addition, the student will complete 18 hours of required electives to be selected from the “Area Emphasis” courses as follows:

Ministry Studies Emphasis (18 hours)

REL 240	Introduction to Youth Ministry	3
REL 241	Introduction to Leadership	3
REL 347	Sermon Preparation and Delivery	3
REL 441-5	Love, Grief, Anger, Guilt, Self-Esteem (1 hour modules)	3
REL 449	Pastoral Theology and Care	3
REL 450	Discovering the Mission of God	3
REL 452	Cross-Cultural Experience and World Awareness Practicum	1-3
COMM 324	Religious Journalism	3
PSY 204	Childhood and Adolescence	3
or PSY 206	Human Development Through the Lifespan (also CFS 206)	
PSY 302	Abnormal Psychology	3
SOC 309	Marriage and Family	3
or CFS 301	Family Relationships	
SOC 312	Sociology of Religion	3
SOC 401	Family Violence	3
Elective Hours (33 hours)	.....	33

For a major in Religion with Emphasis in Missions, the student will complete the Liberal Arts Requirements and the Religion Core Requirements. In addition, the student will complete 18 hours of both requirements and electives from the “Area Emphasis” courses as follows:

Missions Emphasis Requirements (18 hours)

REL 320	Religions of the World	3
REL 450	Discovering the Mission of God	3
SOC 201	Cultural Anthropology	3
	Nine (9) hours from the following:	
REL 241	Introduction to Leadership	3
REL 452	Cross-Culture Missions and World Awareness Practicum	3
REL 453	A History of the Church on Mission With God	3
REL 454	Topics in Missions	3
Elective Hours (33 hours)	.....	33

For a major in Religion with Emphasis in Spirituality and the Arts, the student will complete the Liberal Arts Requirements and the Religion Core Requirements. In addition, the student will complete 17-18 hours of required electives to be selected from the “Area Emphasis” courses as follows:

Spirituality and the Arts Emphasis Requirements (17-18 hours)

REL 240	Introduction to Leadership	3
REL 427	Religion and Film	3
REL 462	Readings in Christian Theology	3
ART 316	Art History I	3

ART 317	Art History II	3
ENG 451	Milton	3
MUS 135	Introduction to Music History and Literature I	1
MUS 136	Introduction to Music History and Literature II	1
MUS 321	The Songs of the Church	3
or MUS 322	Worship Practices	2

Elective Hours (33-34 hours)..... 33-34

For a major in Religion with Emphasis in Youth and Recreation Ministry, the student will complete the Liberal Arts Requirements and the Religion Core Requirements. In addition, the student will complete a total of 18 hours of both requirements and electives from the “Area Emphasis” courses as follows:

Youth and Recreation Ministry Emphasis Requirements (18 hours)

REL 240	Introduction to Youth Ministry	3
REL 241	Introduction to Leadership	3
PSY 204	Psychology of Childhood and Adolescence	3
Nine (9) hours from the following:		
CFS 301	Family Relationships	3
COMM 250	Media, Religion and Ministry	3
PSY (CFS) 206	Human Development Through the Lifespan.....	4
REC 203	Leadership of Recreation	3
SOC 205	Sociology of Community	3
SOC 309	Marriage and Family.....	3
SOC 401	Family Violence	3

Elective Hours (33 hours)33

For a minor in Religion, a student must complete 18 hours in addition to REL 101 and 102. Three hours must be taken from each of the five areas in the religion curriculum plus one additional REL elective.

For a minor in Biblical Languages, a student must take 12 hours of Greek and 12 hours of Hebrew.

For a minor in Greek, a student must take 18 hours of Greek.

For a minor in Hebrew, a student must take 18 hours of Hebrew.

For a minor in Missions, a student must complete 18 hours (12 hours required courses and 6 hours elective courses) in addition to REL 101 and 102. The required courses are REL 224, REL 320, REL 450, and SOC 201. Six hours elective credit may be taken from REL 241, REL 452, REL 453, and REL 454.

For an Oxford Studies minor, a student must complete 18 hours to include 6 hours tutoring in preparation for Oxford, 3 hours in Baptist History, 3 hours in Readings in British and Baptist Life, and 6 hours credit for the Trinity term at Regents Park College of Oxford University, England (contact the Religion Department for the application process).

For a minor in Religious Studies, a student must complete 18 hours (12 hours required courses and 6 hours elective courses) in addition to REL 101 and 102. The required courses are PHIL 402 and 404, REL 320, and SOC 312. Six hours elective credit may be taken from either REL 324 or HIST 341 and a course from REL 322, 323, or 433.

Sociology

Ray Dalton, Greg Hoover, Tanya Ramsey

Majors

Sociology
Human Services

Minors

Sociology
Human Services

Interdisciplinary Minors (See descriptions under Majors, Emphases, Minors, Programs.)

Appalachian Studies
Environment and Community

The Sociology program is located in the Chambliss Building. Sociology and Human Services majors have opportunities for practical experience in service-learning settings such as the Tennessee Department of Human Services, community organizations, and urban or overseas missions. Majors with a 3.5 GPA become members of Alpha Kappa, the department’s honor society.

The sociology and the human services majors require six hours of foreign language at the 100 level or higher. The foreign language does not have to be in the same language.

For a major in sociology, a student must complete no less than 30 hours within the department. No more than 6 hours of correspondence and/or non-catalog independent study courses can be counted toward the major requirements.

Liberal Arts Requirements (47 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 2073

Laboratory Science6

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3

Child and Family Studies, Psychology, or Sociology3

Studies to Enhance a World Perspective (12 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

History 133, 134, or 1353

Foreign Language (in sequence at appropriate level)6

Senior Capstone Course (as listed in major hours below)

Sociology 441

Sociology Core Requirements (11 hours)

SOC 101 Introduction to Sociology3

SOC 204 Introduction to Sociological Research3

SOC 405 Social Theory3

SOC 441 Seminar in Sociology2

General Sociology Emphasis (19 hours)

SOC 203 Statistical Concepts and Methods I.....3

or PSY 213 Statistics and Research Design

Three of the following courses:

SOC 105 Social Problems3

SOC 208 Introduction to Criminology3

SOC 301 Social Psychology3

SOC 309 Marriage and Family3

SOC 311 Environmental Sociology.....3

SOC 312 Sociology of Religion3

Electives in Sociology7

Elective hours (51 hours)51

Cross-Cultural Emphasis (19 hours)

SOC 406 Cross-Cultural Field Experience.....3

or SOC 410 Cross-Cultural Communication Practicum

Three of the following courses:

SOC 201 Introduction to Cultural Anthropology3

SOC 205 Sociology of Community3

SOC 207 American Minority Groups3

SOC 305 Urban Sociology3

SOC 312 Sociology of Religion3

SOC 402 People and Problems of the Third World

Electives in Sociology7

Elective hours (51 hours)51

The human services major teaches helping skills to be used in the field of social work.

For a major in human services, a student must complete no less than 30 hours within the department. No more than 6 hours of correspondence and/or non-catalog independent study courses can be counted toward the major requirements.

Liberal Arts Requirements (47 hours)

Liberal Arts (2 hours)

Liberal Arts 1012

Studies in Biblical Traditions (6 hours)

Religion 101, 102.....6

Studies in Communications (6 hours)

English 1013

Communication 135 or 2303

Studies in Mathematics and Science (9 hours)

Any Mathematics 100 level course, 201, or 2073

Laboratory Science6

Studies in Personal/Social Awareness (6 hours)

Economics, History, Philosophy, or Political Science3

Child and Family Studies, Psychology, or Sociology3

Studies to Enhance a World Perspective (12 hours)

English 201, 3016

ART 210, ENG 310, FA 301, music ensembles, MUS 133, or TH 110.....3

History 133, 134, or 1353

Foreign Language6

Senior Capstone Course (as listed in major hours below)

Sociology 442

Human Services Requirements (30 hours)

SOC 101 Introduction to Sociology3

SOC 102 Introduction to Human Services3

SOC 202 Human Services Practice, Theory and Skills3

SOC 204 Introduction to Sociological Research3

SOC 303 Social Welfare Policy3

SOC 401 Family Violence3

SOC 409 Human Services Field Experience3

SOC 442 Seminar in Human Services2

Sociology Electives7

Elective hours (51 hours)51

NOTE: Courses in one major within the Sociology Department may not count toward the other major offered by the department unless such courses are designated as required by both majors. Courses so designated and counted in more than one major are limited to two.

For a minor in sociology, a student must complete 18 hours in sociology including 101 and at least 9 hours from the following: 105, 201, 203 (or PSY 213), 204, 205, 207, 208, 301, 302, 305, 307, 309, 311, 312, 321, 402, 405, 406, and 410. The remainder of the 18 hours may be fulfilled with SOC electives.

For a minor in human services, a student must complete 18 hours of sociology, including 101, 102, 202, 409, and at least 6 hours from the following: 105, 204, 206, 209, 303, 401, and 417.

Health Pre-Professions

For students interested in continuing on to graduate school in allied health areas. These areas include Chiropractic Medicine, Dentistry, Medical Technology, Medicine (Allopathic and Osteopathic), Occupational Therapy, Optometry, Pharmacy, Physical Therapy, Physician Assistant, Podiatry, and Veterinary Medicine (this does not include Nursing or Athletic Training). Students are required to abide by the following Health Professions Advising Committee (HPAC) policies. These policies are reviewed annually by the HPAC.

Health Pre-Profession Policies

1. You must identify yourself as a health pre-professional student and be included in our Health Professions database. Contact the administrative assistant (DSC 203), 865-471-3250, or the Director of Health Pre-Professions.
2. You will be assigned a faculty advisor who is a member of the HPAC.
3. You must complete a 1-hour course, ID 208 (Career Planning in Health Professions), before the local HPAC interview. We recommend that ID 208 be taken during your first fall semester at Carson-Newman College.
4. You must accumulate at least 40 hours of experience (which can include shadowing) in your specific career choice before scheduling the local HPAC interview.
5. You must be interviewed by the HPAC before a letter of recommendation will be written in support of your application to professional school.
6. If you are a transfer student, you must pass two lab science courses at Carson-Newman College under two different professors before scheduling your HPAC interview.
7. Once you are admitted to Carson-Newman, you are expected to take the lab science courses required by the professional schools to which you plan to apply at Carson-Newman College.
8. You must use the HPAC composite letter of recommendation for admission to professional school. If exceptions are found, contact the Director of Health Pre-Professions. Carson-Newman faculty are asked NOT to write individual letters of recommendation directly to professional schools to support admission to health professional schools.

Post-Baccalaureate Health Professions Program

The Health Pre-Professional Program at Carson-Newman College offers a bridge program for students who already have earned a bachelor's degree and desire a change of career into one of the health professions. Requirements will center around the health professions career choice and the specific professional schools to which the student selects to apply. Post-Baccalaureate students will need to work closely with their Health Professions advisor. This program is not a graduate program or a degree program and thus does not need to satisfy a major or the Carson-Newman College Liberal Arts Core Requirements. It is anticipated that required courses can be completed in an intense 12 to 24 month period. Students in this program are expected to maximize their exposure to the Carson-Newman College environment. Therefore, Post-Baccalaureate students will be able to take advantage of the strong health pre-professional program already in place at the college. Components of this preparation include academic advising, required curriculum, shadowing in the career, the Committee interview, letter of recommendation, and MCAT prep program. For more information, contact Dr. Stephen Karr, Director of Health Professions, at 865-471-3250.

Articulation Agreements

Southwest Baptist University

Carson-Newman College and the Doctorate of Physical Therapy Program at Southwest Baptist University (MO) have established an articulation agreement whereby C-N students who complete the baccalaureate degree in any major and meet the minimum eligibility requirements for admission into the DPT at SBU will automatically receive preference points and be eligible for the interview phase of the selection process. The specific admission requirements can be obtained from an HPAC pre-PT advisor or at the SBU website.

University of St. Augustine (FL)

Carson-Newman is a participating institution in the Ambassador Program involving the Doctor of Physical Therapy and both the Master and the Doctor of Occupational Therapy at the University of St. Augustine (FL). Students who meet all requirements for admission (see listed websites) at St. Augustine and all local requirements at Carson-Newman will gain preferred admission status. Students are expected to work closely with their HPAC Advisor and to identify their desire to participate in the Ambassador Program to the Director of Health Pre-Professions as soon as possible but before the start of their junior year.

COURSE DESCRIPTIONS

Academic Skills Enhancement (ASE)

ASE 030. Reading Skills, 3 hours*, Fall, Spring

Comprehension and vocabulary development, listening, note-taking, test-taking and time-management skills.

ASE 031. Basic Writing Skills, 3 hours*, Fall, Spring

Basic reviews and development of grammar, spelling, vocabulary, and composition (essay) skills and mechanics.

ASE 033. Basic Writing Skills for International Students, 3 hours*, Taught as needed

Taught as needed for those students whose second language is English. Development of grammar, spelling and composition (essay) skills.

ASE 034. Intermediate Algebra, 3 hours*, Fall, Spring

The number system, basic operations and properties, equations and inequalities, quadratic equations, graphs, exponents and radicals, ratio, proportion, and variation.

***Hours are not degree credit hours**

Accounting (ACCT)

ACCT 201. Principles of Financial Accounting, 3 hours, Fall, Spring

Introduction to basic concepts and terminology of financial accounting. Study of basic financial statements, recording of transactions, and control of assets for various forms of business organizations in retail and service industries, financing through the use of debt, and capital stock transactions.

ACCT 202. Principles of Managerial Accounting, 3 hours, Fall, Spring

Introduction of the basic concepts and terminology of managerial accounting. Study of the basic cost behaviors, product costing, profit planning and budget preparation necessary for decision making. **Prerequisite: ACCT 201.**

ACCT 301. Intermediate Accounting I, 3 hours, Fall

The study of accounting standards, conceptual framework, accounting process and the balance sheet accounts. **Prerequisites: ACCT 201 and 202.**

ACCT 302. Intermediate Accounting II, 3 hours, Spring

The study of stockholder equity, earnings per share, income taxes, pensions, leases, cash flow and accounting concepts. **Prerequisite: ACCT 301.**

ACCT 305. Managerial Cost Accounting, 3 hours, Offered periodically

Principles of cost accounting applicable to management decisions such as capital budgeting, cost-volume-profit analysis, and cash flow issues. This course is primarily for non-accounting majors. Students will not be able to get credit for both ACCT 305 and ACCT 306. **Prerequisite: ACCT 202.**

ACCT 306. Strategic Cost Accounting, 3 hours, Spring even years

Study of the creation and measurement of value in business organizations. Provides the skills needed to help organizations improve their financial and operating performance, thereby increasing the value of the firms. **Prerequisites: ACCT 201 and 202.**

ACCT 307. Accounting Theory, 3 hours, Offered periodically

Study of theories, principles and postulates of accounting. Includes a study of history of standard setting process, analysis of the APBs and FASBs and a survey of current topics. Students make major presentation on some issue affecting the profession. **Prerequisite: ACCT 301.**

ACCT 308. Not-for-Profit Accounting, 3 hours, Offered periodically

Study of budgeting, accounting and control procedures for non-profit organizations such as governmental units, philanthropic organizations, churches, hospitals and colleges. Includes theory and principles as stated in FASB and GASB standards. **Prerequisites: ACCT 201 and 202.**

ACCT 309. Accounting Information Systems, 3 hours, Fall even years

Introduction to the use of relational databases and the design of accounting information systems that use such databases with respect to the revenue cycle, expenditure cycle, and payroll cycle. Database design using the REA data model and implementing an REA model in relational databases are covered. Students study computer fraud and systems controls to detect fraud. **Prerequisite: ACCT 202.**

ACCT 402. Auditing I, 3 hours, Spring odd years

The auditing profession, types of reports, professional ethics, legal liability, and methods of conducting audits. **Prerequisites: ACCT 202.**

ACCT 406. Advanced Accounting, 3 hours, Spring odd years

Study of accounting procedures for consolidated firms, partnerships and a survey of accounting for not-for-profit organizations. **Prerequisites: ACCT 301 and 302.**

ACCT 414. Federal Taxation I, 3 hours, Fall odd years

Federal tax fundamentals with emphasis on Internal Revenue Service rules and regulations as applicable to individual taxpayers. **Prerequisites:** ACCT 201 and 202.

ACCT 415. Federal Taxation II, 3 hours, Spring even years

Federal income tax fundamentals with emphasis on Internal Revenue Service rules and regulations as applicable to corporations, partnerships, estates, and trusts. **Prerequisite:** ACCT 414.

ACCT 465. Accounting Internship, 1-6 hours, Offered periodically

Practical experience as an accountant or accountant trainee. Proposals must be submitted for approval to faculty member supervising the internship. Credit assigned will be at the sole discretion of supervising faculty member. Course may be repeated to a maximum of 6 hours credit. S/F grading. **Prerequisites:** ACCT 201 and 202, junior standing, instructor's consent.

Air Force Aerospace Studies (AS)

AS 101-102. The Air Force Today, 1 hour each, Fall, Spring

AS 100 is a survey course that focuses on the organizational structure and missions of the Air Force, officership and professionalism, and includes an introduction to communicative skills. A weekly Leadership Laboratory (LLAB) consisting of Air Force customs and courtesies, health and physical fitness, and drill and ceremonies is mandatory.

AS 103-104. Leadership Laboratory, 1 hour each, Fall, Spring

Leadership Laboratory includes a study of Air Force customs and courtesies, drill and ceremonies, and giving military commands; instructing, correcting, and evaluating the preceding skills; studying the environment of an Air Force officer; and learning about opportunities available to commissioned officers. S/F grading.

AS 201-202. The Development of Air Power, 1 hour each, Fall, Spring

AS 200 focuses on factors contributing to the development of air power from its earliest beginnings through two world wars, the evolution of air power concepts and doctrine, and an assessment of communicative skills. A weekly Leadership Laboratory (LLAB) consisting of Air Force customs and courtesies, Air Force environment, drill and ceremonies, and field training orientation is mandatory.

AS 203-204. Leadership Laboratory, 1 hour each, Fall, Spring

Leadership Laboratory includes a study of Air Force customs and courtesies, drill and ceremonies, and giving military commands; instructing, correcting, and evaluating and preceding skills, studying the environment of an Air Force officer; and learning about opportunities available to commissioned officers. S/F grading.

AS 205. Field Training (Academic Program), 1-4 hours, Fall

Role of United States military forces in contemporary world, with particular attention to the United States Air Force, its organization and missions, various component forces of U.S. military power, organization of America's defense structure, policies of major powers, and elements and processes in making of defense policy. Conducted at field training bases throughout the country. Open only to two-year program applicants.

AS 301-302. Air Force Leadership and Management, 3 hours each, Fall, Spring

AS 300 is the study of leadership and quality management fundamentals, professional knowledge, leadership ethics, and communicative skills required of an Air Force officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A weekly leadership laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course.

AS 303-304. Leadership Laboratory, no credit hours, Fall, Spring

Leadership Laboratory consists of activities classified as advanced leadership experiences. They involve planning, organizing, staffing, coordinating, directing, and controlling the military activities of the cadet corps; preparation and presentation of briefings and other oral and written communications; and providing interviews, guidance, and information which will increase the understanding, motivation, and performance of other cadets.

AS 401-402. National Security Forces in Contemporary American Society, 3 hours each, Fall, Spring

AS 400 examines the need for national security, analyzes the evolution and formulation of the American defense policy, strategy, and joint doctrine; investigates the methods for managing conflict; and overviews regional security, arms control, and terrorism. Special topics of interest focus on the military as a profession, officership, the military justice system, and current issues affecting military professionalism. Within this structure, continued emphasis is given to the refinement of communicative skills. A weekly Leadership Laboratory (LLAB) consisting primarily of advanced leadership experiences in officer-type activities is mandatory.

AS 403-404. Leadership Laboratory, no credit hours, Fall, Spring

Leadership Laboratory consists of activities classified as advanced leadership experiences. They involve planning, organizing, staffing, coordinating, directing, and controlling the military activities of the cadet corps; preparation and presentation of briefings and other oral and written communications; and providing interviews, guidance, and information which will increase the understanding, motivation, and performance of other cadets.

Art (ART)

ART 100. Art Fundamentals I, 6 studio hours, 3 hours credit, studio fee, Fall, Spring

Study and practical applications of the basic fundamentals of visual art, with an emphasis on 2-dimensional design and composition, including the exploration of line, shape, value, texture, color, and space. *\$100 fee.*

ART 103. Art Fundamentals II, 6 studio hours, 3 hours credit, studio fee, Spring

A continuation of the study and applications of the basic fundamentals of visual art started in ART 100, with an emphasis on 3-dimensional design and composition, the appropriate and safe use of artmaking tools and materials, and professional presentation methods. **Prerequisite: ART 100.** *\$100 fee.*

ART 104. Photography I, 6 studio hours, 3 hours credit, studio fee, Fall, Spring

Introduction to the basic concepts, processes, and techniques of traditional analog film photography, including 35mm camera usage, exposure, and black and white film and print development in a traditional chemical darkroom. *\$120 fee.*

ART 105. Drawing I, 6 studio hours, 3 hours credit, studio fee, Fall

Problems in drawing and sketching as applied to the realistic and expressive representation of still life, landscape and figure motifs. Emphasis on composition, line and value qualities, rapid figure sketching and use of varied drawing media. *\$120 fee.*

ART 113. Computer Graphics, 3 hours, Fall, Spring

An introduction to computer hardware and software used in graphic design and the visual arts. *\$120 fee.*

ART 202. Watercolor I, 6 studio hours, 3 hours credit, studio fee, Fall even years

Introduction to painting materials and techniques related to watercolor through studio problems and reading assignments. **Prerequisites for ART majors: ART 100 and 105.** *\$175 fee.*

ART 204. Photography II, 6 studio hours, 3 hours credit, studio fee, Spring

Continuation of 35 mm black and white analog film and print development techniques started in Art 104, in a traditional chemical darkroom, with emphasis on categorical photography and special techniques. **Prerequisite: ART 104.** *\$50 fee.*

ART 205. Drawing II, 6 studio hours, 3 hours credit, studio fee, Spring

Problems aimed at developing skill and expressiveness in drawing the basic form, construction and action of the human figure from live models. **Prerequisite: ART 105.** *\$120 fee.*

ART 210. Art Appreciation, 3 hours, Fall, Spring, Summer

An introduction to visual art covering the following topics: the meanings, purposes, and styles of art; the art elements and principles of design; key achievements in art history; and the various media used to create works of art.

ART 212. Watercolor II, 6 studio hours, 3 hours credit, studio fee, Spring odd years

Continuation of ART 202 aimed at individual skill development in terms of expressive ability and quality of work. **Prerequisite: ART 202.**

ART 215. Sketchbook, 1 hour, studio fee, Fall

Explorations of discipline and skill development in individualized drawing projects, involving various drawing media. Course may be repeated for progressive and continued individualized accomplishment of drawings and drawing projects. Open to non-majors and majors.

ART 223. Digital Imaging, 6 studio hours, 3 hours credit, Fall

In-depth study of the necessary professional skills used in digital imaging for graphic design. A series of projects stressing original digital photography appropriately manipulated using Adobe Photoshop. **Prerequisite: ART 113.** *\$120 fee.*

ART 224. Digital Photography, 6 studio hours, 3 hours credit, studio fee, Fall

Investigation and practical application of digital capture, storage, digital manipulation, and output of digital photography. **Prerequisite: ART 104.** *\$120 fee.*

ART 233. Graphic Design I, 6 studio hours, 3 hours credit, Spring

Basic design principles are applied to projects exploring resources, conceptual principles, and procedures underlying the practice of graphic design, in particular, the process of problem solving. An emphasis is placed on typography as a medium and message of design. **Prerequisite: ART 113.** *\$120 fee.*

ART 243. Graphic Design II, 6 studio hours, 3 hours credit, Fall even years

The development of layout concepts emphasizing the integration of typography and visual imagery. Students develop more sophisticated abilities through problem-solving activities geared to increasing graphic design awareness and skills, as well as a general understanding of production through computer enhanced design and the designer-client roles and responsibilities. **Prerequisite: ART 233.** *\$120 fee.*

ART 300. Teaching Assistantship, 1-3 hours, Fall, Spring

An opportunity for the student to gain teaching-related, Art Department-related, and/or professional art-related experience while working for college credit. Each student is assigned to help one or more of the professors in the Art Department. For each credit hour earned, the student will work two clock hours per week during the semester. Credit variable 1-3 hours. Course is repeatable. **Prerequisite: Instructor's consent.**

ART 302. Oil/Acrylic I, 6 studio hours, 3 hours credit, studio fee, Fall odd years

Introduction to painting materials and techniques related to oil and/or acrylics through studio problems and reading assignments.

ART 305. Drawing III, 6 studio hours, 3 hours credit, studio fee, Spring

Advanced problems in drawing the human form with an emphasis on composition, exploration of drawing media and drawing as an end product of visual expression. **Prerequisites: ART 105 and 205.**

ART 308. Art Methods for Elementary Teachers, 3 hours, materials fee, Fall

Designed to help prepare students to be effective teachers of art at the elementary and middle school levels. Focus will be on effective lesson planning, experience with media appropriate for the age group, development of a teaching file, and examination of the stages of artistic development (with appropriate art lessons and teaching strategies for each age group). Practicum required for art majors. **\$50 fee.**

ART 313. History of Graphic Design, 3 hours, Fall odd years

A survey of the historical development of graphic design from first attempts at communication through cave painting and invention of writing to current design trends in print, web, and motion graphics.

ART 316. Art History Survey I, 3 hours, Fall

A survey covering the history of Western visual art from prehistoric times to the Gothic period.

ART 317. Art History Survey II, 3 hours, Spring

A survey covering the history of Western visual art from the Baroque period to the present.

ART 324. Color Photography, 6 studio hours, 3 hours credit, studio fee, Fall

Explorations of color photography, including digital image capture and printing, and traditional film and chemical color darkroom printing materials and methods. **Prerequisite: ART 204. \$175 fee.**

ART 334. History of Photography, 3 hours, Fall odd years

Study of the historical development of photography and noteworthy photographers.

ART 343. Graphic Design III, 6 studio hours, 3 hours credit, Fall odd years

Continuation of essential graphic design skills through conceptualization and evolution of complex projects in which the designer must determine how to communicate visually with a specific audience. Projects will focus on socially responsible design and how graphic designers can play a key role in the betterment of society. **Prerequisite: ART 243. \$120 fee.**

ART 365. Internship in Visual Arts, 3-6 hours, Offered as needed

An internship with an established art, graphic design, or photography professional firm. Requires the recommendation of the Art Department Chair. Credit hours determined by work hours arranged with the firm.

ART 402. Oil/Acrylic II, 6 studio hours, 3 hours credit, studio fee, Spring even years

Continuation of ART 302 aimed at individual skill development in terms of expressive ability and quality of work. **Prerequisite: ART 302.**

ART 405. Drawing IV, 6 studio hours, 3 hours credit, studio fee, Fall

Continuation of the individual's skill development in drawing with an emphasis on drawing as an end product of visual expression. **Prerequisite: ART 305.**

ART 408. Art Methods for Secondary Teachers, 3 hours, materials fee, Mayterm

Designed to help prepare students to be effective teachers of art at the high school level. Includes experience observing and teaching in a high school art classroom, experience working with media commonly used at the high school level, examination of methods appropriate for the various levels of art instruction, and effective curriculum planning. Practicum required. **Prerequisite: Admission to the Teacher Education Program. \$50 fee.**

ART 411. Senior Seminar, 3 hours, materials fee, Fall

Seminar style investigation of topics relevant to post-graduate experiences for emerging professional artists and photographers. Includes discussion of exhibition, employment, and graduate school opportunities, and the creation of a professional portfolio of the student's work. For art majors and photography majors, to be taken in the senior year. **\$100 fee.**

ART 414. Alternative Photographic Processes, 6 studio hours, 3 hours credit, studio fee, Spring even years

Exploration of non-traditional applications and presentation methods of silver-based and digital photographic processes, as well as of non-silver wet darkroom photographic methods and processes. **Prerequisite: ART 204. \$100 fee.**

ART 416. Art in America, 3 hours, Spring even years

Study of the historical development of art in America from the colonial period to the present.

ART 417. Modern and Contemporary Art, 3 hours, Fall even years

A study of significant Western visual art and architecture produced in the modern, postmodern, and contemporary periods.

ART 418. Non-Western Art, 3 hours, Spring odd years

An overview of the culture and art of several non-western civilizations throughout the ages.

ART 424. Fine Art Photography, 6 studio hours, 3 hours credit, studio fee, Fall

Investigation and development of individualized photographic image-making for the fine art arena, with emphasis on professional quality work.

Prerequisite: ART 204. *\$50 fee.*

ART 434. Photojournalism, 6 studio hours, 3 hours credit, studio fee, Spring odd years

Exploration of the professional practice and the actual production of journalistic photographs and documentary photographs, emphasizing professional quality work. **Prerequisite:** ART 204. *\$50 fee.*

ART 440. Advanced Photographic Methods, 6 studio hours, 3 hours credit, Fall, Spring

Advanced skill development of photographic image-making, emphasizing individual projects, individual style and thematic exploration, and professional quality of work. Course may be repeated. **Prerequisites:** ART 103 and 204. *\$50 fee.*

ART 444. Commercial Photography, 6 studio hours, 3 hours credit, studio fee, Spring even years

A concentration on the production of commercial, advertising, industrial, and/or fashion photographs, with an emphasis on professional quality work. **Prerequisite:** ART 204. *\$50 fee.*

ART 450. Advanced Artmaking Methods, 6 studio hours, 3 hours credit, Fall, Spring

Advanced individualized exploration of problem-solving and skill development of previously studied visual artmaking media and methods. Course may be repeated. **Prerequisites:** ART 103 and 205.

ART 453. Graphic Design IV, 6 studio hours, 3 hours credit, Spring even years

Each student will develop an independent semester long project of his/her choice. Students must form a visual concept for the project and generate final printed materials that will be presented during a final critique. A written project brief and description, along with a timeline outlining points of completion within the project, and a process book are all supporting requirements. **Prerequisite:** ART 343. *\$120 fee.*

ART 463. Visual Communication Center, 3 hours, Spring

Selected upper level art/photography majors create and produce campus and community projects. The VCC will service a variety of illustrative, photographic, and graphic design needs through printed and/or interactive media. Includes budgeting, client communication, and digital/print supervision. Course may be repeated. **Prerequisites:** ART 243 and faculty recommendation. *\$120 fee.*

Athletic Training (ATHT)

ATHT 406. Therapeutic Exercise, 3 hours, Fall

Knowledge, skills and values to plan, implement, document, and evaluate the efficacy of rehabilitation and reconditioning programs of athletes and the physically active. **Prerequisites:** BIOL 207 and 208.

ATHT 410. Administration and Management, 3 hours, Spring -- Senior Capstone

Knowledge, skills and values to understand responsibilities, development, and promotion of the athletic training profession. Administrative knowledge, skills and values to develop, administer and manage a health care facility that provides health care to athletes and the physically active. **Prerequisites:** ATHT 205, 305, 306, and 406.

ATHT 411-412. Clinical Experience in Athletic Training V, VI, 4 hours each, Fall, Spring

Psychomotor skill development including but not limited to: evaluation of upper and lower extremity as well as documentation, managing data using multimedia, clinical proficiencies for therapeutic exercise and developing administrative plans. Supervised study and experience with an ACI/CI. These two courses offer off campus experience with approval of the program director one semester in advance. Must complete minimum of 190 clinical hours (60 toward off campus experience) for each course. **Prerequisites:** ATHT 311 and 312. *\$20 fee.*

Biology (BIOL)

BIOL 101. Human Biology, 3 hours, Fall, Summer periodically

Introduction to the structure and function of the human body with emphasis on human health and welfare. Cannot be applied toward the major without departmental approval. Three lectures and one two-hour lab a week. *Nominal fee.*

BIOL 102. Environmental Science, 3 hours, Spring, Summer periodically

Exploration of the workings of nature and man's impact on it; environmental problems and possible solutions. Cannot be applied toward the major without departmental approval. Three lectures and one two-hour lab a week. *Nominal fee.*

BIOL 105. General Biology I, 4 hours, Fall

An introduction to the Biological Sciences for the science/health professions major. Topics include ecological principles, animal behavior, evolution, genetics, chemistry as it applies to living systems, cell and function, energy transductions, mitosis, and molecular genetics. Three lectures and one two-hour lab a week. *Nominal fee.*

BIOL 106. General Biology II, 4 hours, Spring

An introduction to the Biological Sciences for the science/health professions major. Topics include systematics, taxonomy and classification, basic microbiology, anatomy and physiology of plants and animals (with emphasis on human systems), meiosis and reproduction in plants and animals, development. Continuation of BIOL 105. Three lectures and one two-hour lab a week. *Nominal fee.*

BIOL 207. Human Anatomy and Physiology I, 4 hours, Fall, Summer periodically

Structure and functions of the major organ systems of the human body. Chemical basis of life, cells, cellular metabolism, tissues, integumentary, skeletal, muscular and nervous systems. Three lectures and one two-hour lab a week. *Nominal fee.*

BIOL 208. Human Anatomy and Physiology II, 4 hours, Spring, Summer periodically

Structure and functions of the endocrine, digestive, respiratory, circulatory, lymphatic, urinary and reproductive systems. Continuation of BIOL 207. Three lectures and one two-hour lab a week. **Recommended prerequisite: BIOL 207.** *Nominal fee.*

BIOL 300. Teaching Assistantship, 1-3 hours

Assist in lab preparation, lab instruction, lab report grading, and review/tutoring sessions. Must have junior status.

BIOL 301. Botany, 4 hours, Fall

Plant anatomy and physiology including cells, tissues, development in vegetative and reproductive structures, plant biochemistry and metabolism, hormonal regulation of development. Survey of kingdoms Plantae, Protista (except Protozoa), Fungi, Bacteria, and Archaea. Three lectures and one two-hour lab a week. **Prerequisites: BIOL 105 and 106.** *Nominal fee.*

BIOL 302. Zoology, 4 hours, Spring

A detailed comparative study of the major invertebrate and vertebrate animal groups including protozoa, sponges, radiate animals, acoelomates, pseudocoelomates, mollusks, annelids, arthropods, echinoderms, the fishes, amphibians, reptiles, birds and mammals. Morphology, physiological adaptations, evolution and ecology are stressed in association with all animal groups. Three lectures and one three-hour lab a week. **Prerequisites: BIOL 105 and 106.** *Nominal fee.*

BIOL 304. Field Botany, 3 hours, Once every 3-4 years

Field experience and taxonomy of select plant groups including mosses, fungi, lichens, ferns, aquatic vascular plants, woody plants, and wildflowers. Two lectures and one field trip or lab a week.

BIOL 305. Medical Terminology I, 2 hours, Fall, Mayterm periodically

Introduction to medical terminology through the study of prefixes, suffixes and root words of commonly used medical terms. Terminology of clinical procedures, laboratory tests, and pathologies presented as well. Course is taught in an independent study format.

BIOL 306. Medical Terminology II, 2 hours, Spring, Mayterm periodically

Continuation of medical terminology through the study of prefixes, suffixes and root words of commonly used medical terms. Terminology of clinical procedures, laboratory tests, and pathologies presented as well. Course is taught in an independent study format. **Prerequisite: BIOL 305.**

BIOL 314. Genetics, 4 hours, Spring

Principles of gene transmission and expression, with an emphasis on human health and welfare. Three lectures and one three-hour lab a week. **Prerequisites: BIOL 105 and 106 or instructor's consent.** *Nominal fee.*

BIOL 315. Ecology, 4 hours, Fall

Principles governing interactions between organisms and their environment. Three lectures and one three-hour lab or field trip a week. **Prerequisites: BIOL 105 and 106 or instructor's consent.** *Nominal fee.*

BIOL 316. Microbiology, 4 hours, Fall, Spring

Classical bacteriology, virology, microbial genetics, bacterial metabolism, immunology and the various applications of microbiological knowledge. Three lectures and one two-hour lab a week. **Prerequisites: BIOL 105 and 106, or Biology 207 and 208, or instructor's consent.** *Nominal fee.*

BIOL 317. Natural History, 4 hours, Spring

A survey of the adaptation of living organisms to their environment over time, as evidenced by the fossil record and comparisons among living species, and an indepth review of the possible mechanisms involved. Three lectures and one two-hour lab/discussion per week. **Prerequisites: BIOL 105 and 106.** *Nominal fee.*

BIOL 319. Animal Behavior, 4 hours, Fall

An introduction to the principles of animal behavior that considers the influences of genetics, ecology, physiology, and evolutionary history on behavior. Topics include communication, reproductive strategies, social interactions, foraging, defense, migration, habitat selection, and learning. Three lectures and one three-hour lab per week. **Prerequisites: BIOL 105 and 106, or instructor's consent. Nominal fee.**

BIOL 320. Molecular Cell Biology, 4 hours, Fall

Study of the major cellular components with particular attention to the relationship between functions and the organization of the cell. Topics include cell architecture, macromolecules, metabolism, energy transductions, cellular control mechanisms and molecular genetics. Three lectures and one three-hour lab a week. **Prerequisites: BIOL 105 and 106, CHEM 104 or instructor's consent. Nominal fee.**

BIOL 380. Zoology for non-science majors, 3 hours, Mayterm

Exploration of the animal kingdom, adaptations, and the significance of animal groups to mankind. Includes readings, field trips, lab work, creative writing, and a group project.

BIOL 381. Pharmacology, 3 hours, Mayterm periodically, Summer periodically

Introduction to basic pharmacological principles including molecular pharmacology, pharmacokinetics, toxicology, chemotherapeutics and systemic drug survey.

BIOL 382. Cancer Biology, 3 hours, Mayterm periodically/Summer periodically

Etiology, diagnosis and treatment of cancer in humans. Course will also include field trips to regional cancer centers.

BIOL 383. Biology Externship, 3 hours, Mayterm/Summer

An externship course allowing the Biology major to gain field, laboratory, or work experience in a desired area. Opportunities may include, but not limited to, externships at the Zoo, National and State Parks, laboratories in both academic and industrial settings. **Prerequisite: instructor's consent.**

BIOL 400. Teaching Assistantship, 1-3 hours

Assist in lab preparation, lab instruction, lab report grading, and review/tutoring sessions. Must have senior status.

BIOL 402. Gross Anatomy, 4 hours, Spring

Detailed gross and microscopic anatomy of the human. Three lectures and one four-hour lab a week. **Prerequisites: BIOL 105 and 106 and instructor's consent. Nominal fee.**

BIOL 403. Physiology of Exercise, 4 hours, Spring

Physiological foundations for acute responses and chronic adaptations to exercise. Three lectures and one two-hour lab a week. **Prerequisite: BIOL 207; BIOL 208 recommended. Nominal fee.**

BIOL 404. Mammalian Physiology, 4 hours, Fall

Applied analysis of the functioning of mammals, with focus on the human, involving a systems approach. Three lectures and one four-hour lab a week. **Prerequisites: BIOL 105 and 106, CHEM 104. Nominal fee.**

BIOL 405. Environmental Assessment, 4 hours, Spring odd years

A lecture-discussion course on the nature of and generation of environmental assessment statements and environmental impact statements. Topics also include soils, hydrology, and other issues pertinent to environmental studies. **Prerequisites: Junior or Senior in the Environmental Studies track and BIOL 315, or instructor's consent. Nominal fee.**

BIOL 406. Field Biology, 3 hours, Once every 3-4 years

Field experience and study of plant and animal life in selected habitats, including geographical distribution, climatic and soil relationships, methods and use of instruments necessary for a critical study of plant and animal communities. Two lectures and one three-hour field trip or lab a week.

BIOL 407. Kinesiology, 4 hours, Fall

Basic anatomical, mechanical and neuro-muscular concepts applied to human motion. Three lectures and one two-hour lab a week. **Prerequisite: BIOL 207. Nominal fee.**

BIOL 408. Immunology, 4 hours, Fall

Basic aspects of specific and non-specific defense mechanisms. Humoral and cellular mechanisms as well as the synthesis, structure and action of antibodies and lymphokines, cytotoxic reactions and regulatory mechanisms. Three lectures and one four-hour lab a week. **Prerequisites: BIOL 105 and 106 or instructor's consent. Nominal fee.**

BIOL 410. Directed Readings in Biology, 1 hour, Fall

Biological and scientific investigation. Selected readings, both classical and current; methods, access and use of scientific literature. Planning and conduct of library research and report writing. **Prerequisite: At least 4 BIOL courses or junior/senior standing.**

BIOL 411. Senior Seminar, 1 hour, Spring

Discussion of current and controversial topics in biology with an emphasis on advances in biological research. Each student will present a formal seminar on an approved topic. **Prerequisite: BIOL 410.**

BIOL 475. Introduction to Bioinformatics, 2 hours, Fall

New area of science in which biology, chemistry, computer science, and mathematics are combined to decipher information encoded with the DNA and protein of each living organism. An introductory course in the use of computers to evaluate large biological data sets. Will be presented in webCT as an interactive online course.

BIOL 491. Directed Projects in Biology, 1-4 hours

May consist of field, laboratory or library research on any topic of mutual interest to the student and instructor. Research may spread over one or more semesters and culminates in written reports on results and conclusions. **Prerequisite: instructor's consent.**

Business Administration (BAD)

BAD 201. Business Communications, 3 hours, Fall, Spring

Designed to assist students in solving business problems through effective expression of ideas and information—writing, speaking, and listening. Covers the principles and methods of written and oral communication in a high technology environment and includes intercultural, legal, and ethical aspects of communication. **Prerequisite: ENG 201.**

BAD 215. Business Information Tools, 3 hours, Fall, Spring

Students use advanced features and capabilities of word processing, spreadsheet, and basic database software to analyze and resolve business problems and business information management and dissemination issues.

BAD 301. Legal and Ethical Environment of Business, 3 hours, Fall, Spring

U.S. legal system coupled with consideration of ethical issues confronting the business professional. Topics covered include torts, contracts, agency, employment law, intellectual property rights, consumer protection, and other business concerns.

BAD 302. Law of Business Organizations and Commercial Transactions, 3 hours, Fall

Introduction to legal implications of basic business transactions including securities law, business associations—corporations, bankruptcy, insurance, commercial sales, commercial paper, secured transactions, bulk transfers, documents of title and legal responsibilities of accountants **Prerequisites: junior standing, BAD 301.**

BAD 391. SIFE Practicum, 1 hour, Fall, Spring

Participation in a national organization of college students which conducts projects and activities promoting the free enterprise system in the US through education and community service. S/F grading. Must be currently or become active SIFE member. Course is repeatable for up to 4 hours credit.

BAD 401. International Business, 3 hours, Offered periodically

A study of the various facets of international business operations: ownership, management, marketing, production, accounting and finance, legal, and growth. Also includes economic and political issues affecting international business.

BAD 402. Insurance and Risk Management, 3 hours, Offered periodically

Covers the field of insurance, insurance law, and risk management. Areas covered include insurance regulation, insurance contract interpretation, policy exclusions, alternatives to risk management, and government regulation in regard to employee benefits. **Prerequisite: BAD 301.**

BAD 415. Legal Issues in Health Care, 3 hours, Offered periodically

This course is designed to identify and examine major areas of law influencing the operation of health care facilities. Students learn risk management concepts and will consider issues of health law and ethics, malpractice law in Tennessee, and federal laws impacting health care administration. **Prerequisites: junior standing, BAD 301.**

BAD 463. International Business Experience, 3 hours, Summer

An immersion experience in or closely related to the international economy, international business, international political or cultural relations, or international missions. **Prerequisites: instructor's consent, senior standing.**

BAD 465. Business Administration Internship, 1-6 hours, Offered periodically

Practical experience gained through an internship in the private or public sector. Proposal must be submitted and approved by supervising instructor. **Prerequisites: instructor's consent.**

Chemistry (CHEM)

CHEM 100. Chemistry in Controversy, 3 hours, Spring

Fundamentals of chemistry for non-science majors. Study and use of the scientific method as a thought process and the role of chemistry in society. Two lectures and one two-hour lab a week. *\$30 fee.*

CHEM 101. Introductory Chemistry, 4 hours, Fall, Spring

An introduction to basic chemical principles for students majoring in nursing, family and consumer sciences, and exercise science. Also serves as a preparatory course for CHEM 103. Three lectures and one three-hour lab a week. *\$30 fee.*

CHEM 102. Introduction to Organic and Biochemistry, 4 hours, Fall, Spring

Nomenclature, structure, and chemical properties of the major functional groups of organic chemistry and also the structure and function of biochemical molecules. Three lectures and one three-hour lab a week. **Prerequisite:** CHEM 101 or 103. *\$30 fee.*

CHEM 103. General Chemistry I, 4 hours, Fall, Spring

Atomic structure, bonding and molecular structure, solids, liquids, gases; thermochemistry. For students majoring in natural sciences. Previous exposure to chemistry is very helpful but not required. A good working knowledge of algebra is expected. Three lectures and one three-hour lab a week. *\$30 fee.*

CHEM 104. General Chemistry II, 4 hours, Spring

Solutions, kinetics, equilibrium, thermodynamics, and electrochemistry. Also includes discussion of typical properties of the representative elements and first transition elements and their compounds. CHEM 104 is a prerequisite for all chemistry courses with higher numbers. Three lectures and one three-hour lab a week. **Prerequisite:** CHEM 103. *\$30 fee.*

CHEM 201. Excel for Scientists, 2 hours, Fall

Advanced Excel topics (i.e. statistical analysis tools, least squares, calibration methods, solving equations, 2-D and 3-D graphs, data smoothing, Fourier transform, and macros) with relation to chemical systems. Some prior knowledge of Excel is expected. **Prerequisites:** CHEM 103 and 104, or instructor's consent.

CHEM 300. Teaching Assistant, 1-2 hours, Fall, Spring

Assist faculty during lab with materials, safety, and individual instruction. Academic credit may be received for either one or two hours, but only one hour of credit may be counted toward a chemistry. Two hours of credit may be obtained in one semester or in different semesters. Students who are serving as TA's in order to receive AP credit for Chemistry 103 and 104 may not receive credit.

CHEM 301. Organic Chemistry I, 4 hours, Fall

An extensive study of aliphatic hydrocarbons, stereochemistry, substitution reactions and spectroscopy. Three hours lecture and one three-hour lab a week. **Prerequisite:** CHEM 104. *\$30 fee.*

CHEM 302. Organic Chemistry II, 4 hours, Spring

An extensive study of aromatics, aldehydes, ketones, carboxylic acids and their derivatives and amines; introduction to biochemical molecules. Three hours lecture and one three-hour lab a week. **Prerequisite:** CHEM 301. *\$30 fee.*

CHEM 303. Biochemistry I, 4 hours, Fall

Biochemical molecules and their metabolism, energy and kinetic relationships. Three hours lecture and one three-hour lab a week. **Prerequisites:** BIOL 105 and CHEM 302. *\$30 fee.*

CHEM 304. Biochemistry II, 4 hours, Spring

An in-depth study of DNA at the molecular level - both structure and function. Factors controlling gene expression and alterations in DNA will be examined as well. Three lectures and one three-hour lab a week. **Prerequisite:** CHEM 303 is a prerequisite. *\$30 fee.*

CHEM 305. Quantitative Analysis, 4 hours, Fall odd years

Volumetric, gravimetric and instrumental methods of analysis. Two lectures and two three-hour labs a week. **Prerequisite:** CHEM 104. **Prerequisite or corequisite:** CHEM 201. *\$30 fee.*

CHEM 306. Instrumental Methods of Analysis, 4 hours, Spring even years

Absorption spectroscopy (UV, visible, atomic and IR), potentiometry, polarography, conductimetry and chromatography. Two lectures and two three-hour labs a week. **Prerequisite:** CHEM 305 or instructor's consent. *\$30 fee.*

CHEM 307. Chemical Industry Externship, 3 hours, Mayterm or Summer

Work/training experience for exploration of a career in chemistry. Work site(s) (such as industrial, corporate, government) must be approved by instructor prior to registration. Students wishing to take the course must notify the instructor before spring break in order to have time to make the arrangements. **Prerequisite:** instructor's consent. *\$30 fee.*

CHEM 308. Hospital Externship, 3 hours, Mayterm and Summer

Externships are available in medically related areas in order to increase exposure to a field of study and help with career choices. Can be taken a maximum of two times provided the experiences are in two different professional areas. Can be listed as Biology credit. Students must apply through the chair of Health Professions before April 1. This course is intended for health professions students. *\$30 fee.*

CHEM 401. Physical Chemistry I, 3 hours, Fall even years

Gas laws, thermodynamics, equilibria and solutions. Three hours lecture a week. **Prerequisites:** CHEM 301, calculus, and either PHYS 103/104 or PHYS 201/202. **Corequisite:** CHEM 415. Same as PHYS 304.

CHEM 402. Physical Chemistry II, 3 hours, Spring odd years

Electrochemistry, atomic and molecular structure, rates and mechanisms of chemical reactions. **Prerequisite:** CHEM 401. **Corequisite:** CHEM 416.

CHEM 403. Statistical and Quantum Mechanics, 3 hours, Offered periodically

Theories of relativity, statistical mechanics and quantum mechanics. **Prerequisite:** PHYS 201 or instructor's consent. Same as PHYS 307.

CHEM 407. Inorganic Chemistry, 3 hours, Spring odd years

Descriptive and theoretical chemistry. Three hours lecture a week. **Prerequisites:** CHEM 103 and 104 (401 recommended).

CHEM 411. Special Topics in Chemistry, 1 hour, Fall

Introduction to the chemical literature, review of common chemical journals, group and individual reviews of journal articles, other selected projects such as resume preparation, and skills of the short interview. One lecture hour a week. **Prerequisites:** CHEM 301 and two years of college chemistry.

CHEM 412. Seminar in Chemistry, 1 hour, Spring

The capstone course for all chemistry degrees. Development of a topic and paper, presentation of a formal seminar, and may include other selected projects. One lecture hour a week. **Prerequisite:** CHEM 411 or instructor's consent.

CHEM 415. Physical Chemistry Laboratory I, 1 hour, Fall even years

Gases, thermodynamics and phase equilibria. One three-hour lab a week. **Prerequisite:** Same as CHEM 401. **Corequisite:** CHEM 401. *\$30 fee.*

CHEM 416. Physical Chemistry Laboratory II, 1 hour, Spring odd years

Ionic equilibria, electrochemistry, kinetics, spectroscopy. One three-hour lab a week. **Prerequisite:** CHEM 401. **Corequisite:** CHEM 402. *\$30 fee.*

CHEM 491. Research Techniques in Biochemistry, 2-4 hours, Fall, Spring

Experience in isolation, analysis and characterization of biologically important compounds. One lecture and 3-9 lab hours a week. **Prerequisite:** instructor's consent. *\$30 fee.*

CHEM 492. Research Techniques in Inorganic or Analytical Chemistry, 2-4 hours, Fall, Spring

Methodology and techniques appropriate to the synthesis, separation and characterization of inorganic compounds. One lecture and 3-9 lab hours a week. **Prerequisite:** instructor's consent. *\$30 fee.*

CHEM 493. Research Techniques in Organic Chemistry, 2-4 hours, Fall, Spring

Procedures and techniques involved in research in organic chemistry. One lecture and 3-9 lab hours a week. **Prerequisite:** instructor's consent. *\$30 fee.*

CHEM 494. Research Techniques in Physical Chemistry, 2-4 hours, Fall, Spring

Procedures and techniques involved in research in physical chemistry. One lecture and 3-9 lab hours a week. **Prerequisite:** instructor's consent. *\$30 fee.*

Child and Family Studies (CFS)

CFS 206. Human Development Through the Lifespan, 4 hours, Fall, Spring

Major milestones of development in each stage from prenatal to late adulthood and death. Physical, cognitive, and psycho-social growth. Laboratory. Same as PSY 206.

CFS 207. Infancy and Early Childhood, 3 hours, Fall

Research on developmental milestones during first nine years. Lab opportunities and activity planning for interaction with infants, toddlers and preschoolers. Laboratory. **Prerequisite:** CFS 206.

CFS 301. Family Relationships, 3 hours, Fall, Spring

Family dynamics and roles of family interaction. The influence of family experiences on individual growth, development, and relationship functioning. Small discussion group component. **Prerequisite:** junior/senior standing.

CFS 304. Parenting, 3 hours, Spring

Parenting as a developmental role throughout the life span. Discipline techniques, strategies and resources. **Prerequisite: CFS 206 or instructor's consent.**

CFS 305. Family Sciences, 3 hours, Fall

Examination of existing theoretical frameworks to provide a context for understanding today's family in the complex social world. **Prerequisite: CFS 206, 301 or instructor's consent.**

CFS 404. Administration of Programs for Young Children, 3 hours, Spring

Principles of administration and management, parent involvement, and community resources. **Prerequisites: CFS 414 and 415 and/or instructor's consent.**

CFS 407. Current Topics in Child and Family Studies, 3 hours, Fall

Research and readings on selected issues affecting children and families. **Prerequisites: CFS 206 or PSY 204, CFS 305.** Same as PSY 409.

CFS 414. Programs for Young Children I: Creativity and Expression, 3 hours, Fall

Theoretical and experiential base for designing developmentally appropriate curriculum for young children which promotes self expression and creativity through art, music, dramatic play, manipulative, constructive play, language arts. Practica in CDL. **Prerequisite: CFS 206 or PSY 204.**

CFS 415. Programs for Young Children II: Discovery, 3 hours, Spring

Theoretical and experiential base for designing developmentally appropriate curriculum for young children which promotes discovery and problem solving in mathematics, sciences, social studies. Practica in CDL. **Prerequisites: CFS 206 or PSY 204, CFS 414.**

CFS 427. Methods of Teaching Child and Family Studies Practicum, 1 hour, Fall

Observation and practical application of principles, objectives, methods, materials, procedures, and evaluation for teaching family-based and adult family and consumer sciences. **Prerequisite: FCSE 320 or instructor's consent. Corequisite: FCSE 424.**

CFS 465. Internship in Child and Family Studies, 3 hours, Fall, Spring, Summer

Supervised experience in a selected setting/program for children and families. **Prerequisites: CFS 206 and 414 and instructor's consent.**

Communication (COMM)

COMM 101F, 301F. Forensics Practicum, 1 hour each course, Fall, Spring

Study and participation in debating and various individual speaking events on the intercollegiate level. 101 is repeatable for up to 2 hours credit; 301 may be repeated for up to 6 hours credit. A total of four (4) practica credit hours may be counted toward the major requirements.

COMM 123. Introduction to Communication Writing, 3 hours, Fall, Spring odd years

Introductory course to the communication professions with emphasis on developing writing skills for print, electronic and online media, film, advertising, public relations and research in the field. Includes introduction to news gathering techniques, aural-visual production, online content creation, communication research and presentational skills. Three-hour lecture and one-hour lab. **Prerequisites: Demonstrated typing proficiency and/or instructor's consent.**

COMM 135. Speech Fundamentals, 3 hours, Fall, Spring, Summer

Introduction to public speaking through the study of speeches, speakers and the principles of effective public address. Students plan, organize and deliver various types of speeches.

COMM 201. Strategic Communication Techniques/Skills, 3 hours, Spring

Planning, writing, editing, designing and producing public relations and advertising content for print, outdoor, broadcast, direct mail, on-line media and social media. This course also contains a research component. **Prerequisite: COMM 123.**

COMM 208. Introduction to Digital Media, 3 hours, Spring

An introduction to the use of digital media in the communication process. Applying learned visual and aural principles students will explore the use of computer-based tools in the design and production of media content by creating and editing digital images, sounds, video, text and motion graphics. Same as FILM 208.

COMM 209. Video Production, 3 hours, Fall

Lecture-laboratory study of the techniques and procedures used in the creation, production and direction of television programming. Emphasis on the function and operation of the primary tools and their application on the production process. Same as FILM 209.

COMM 230. Interpersonal Communication, 3 hours, Fall, Spring

This course will focus on the need to interact with others by expressing thoughts and feelings through various communication channels. Topics include self-concept, self-disclosure, perception, nonverbal communication, listening, conflict, building relationships, interpersonal communication and the job market.

COMM 250. Media, Religion and Ministry, 3 hours, Fall

Explores the intersection of media and religion with special attention on the changing role of media in the local church. The course includes an investigation of theory and research in the area of media and religion, as well as the creative application of media in religious contexts.

COMM 304. Advanced Production, 3 hours, Spring

Advanced techniques of designing, writing and production of audio, video, film and multimedia presentations. Topics include advanced techniques in videography, editing in a digital environment, script writing, story construction, and performance. **Prerequisites: COMM 123, 208, and 209.** Same as FILM 304.

COMM 305. Digital Storytelling, 3 hours, Spring

A laboratory experience in researching, designing and producing content in an environment of converging communication forms. Using the resources of the Center for Digital Storytelling students will create multimedia content for various audiences. Each semester the course will focus on a different arena of production (news website, multimedia presentation for a non-profit, a digital filmmaking competition via the internet, etc.). Repeatable for up to 6 hours. **Prerequisites: COMM 123 and 208.** Same as FILM 305.

COMM 322. Mass Media, 3 hours, Spring

Overview of the development and social impact of mass media, including newspapers, magazines, advertising, public relations, books, photography, film, the broadcast/cable industry (structure, station, and network operation), and the FCC and other regulatory agencies. **Prerequisites: COMM 123.**

COMM 323. Public Relations, 3 hours, Fall

Overview of public relations with attention given to theories and principles, examination of case problems, preparation of materials, planning campaigns and executing public relations projects. **Prerequisite: COMM 123.**

COMM 324. Religious Journalism, 3 hours, Mayterm

A survey of religious writers' market, and an analysis of types of religious writings. Students will be expected to research, write and edit three articles with corresponding query letters for targeted publications. Guest speakers or panels of writers and writing workshops. **Prerequisite: COMM 123.**

COMM 325. News Writing and Reporting, 3 hours, Spring odd years

Intensive training in the core journalism skills: news judgment, researching, writing, reporting and presentation. Students will learn to develop story ideas, research and gather information, combine visual, verbal and written messages, and to write and edit news for various media audiences. **Prerequisites: COMM 123 or instructor's consent.**

COMM 327. Media in a Changing World, 3 hours, Fall even years

Analysis of mass media business policies and practices of media organizations in a changing political, economic, regulatory and technological environment. Includes analysis of the historical and structural contexts and implications of new media technologies. Same as FILM 327.

COMM 337. Oral Interpretation of Literature, 3 hours, Fall odd years

Development of mental, emotional and physical responsiveness to prose, poetry, and drama through the student's performance of literature. **Prerequisite: COMM 135 for Communication Studies majors; TH 110 for Theatre majors.**

COMM 340. Special Topics in Speech Communication, 1-3 hours, Offered as needed

Lecture-laboratory focus on a single speech-related topic. Subject matter may change each semester and this course may be repeated for different topics/titles to a maximum 3 hours.

COMM 404. Communication Law and Ethics, 3 hours, Spring

A study of the legal foundations for freedom of speech and press. Students will explore forms of communication that have constitutional protection and those with limitations including libel, invasion of privacy, access to information, copyright and the special restrictions on broadcasting and advertising. The study includes an examination of the moral reasoning process and the application of ethical responsibilities in communication contexts. **Prerequisites: COMM 123 and 322.**

COMM 407. Special Topics in Mass Communication, 1-3 hours, Offered as needed

Lecture-laboratory focus on a single mass media related topic. Subject matter will change each semester and this course may be repeated for different topics/titles.

COMM 421. Advertising, 3 hours, Spring

Survey of American advertising. Students explore advertising principles and theories as they relate to media, markets and audiences. Students study advertising campaigns, do copy writing and layout. **Prerequisite: COMM 123.**

COMM 424. Persuasion, 3 hours, Fall

Analysis of the principles and techniques used in all forms of mediated persuasive communication. The course is oriented toward both the persuader and the techniques used to persuade consumers. **Prerequisite: COMM 135.**

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COMM 425. Organizational Communication, 3 hours, Fall odd years

Analysis of communication behavior in complex organizations. Areas covered include communication auditing, interviewing, decision making, communication networks and problem solving.

COMM 427. Campaign Strategies, 3 hours, Fall

A course using teamwork to analyze, develop, create and deliver a specific campaign targeting a product, service, or entity to a defined audience, using print, media and personal presentation. **Prerequisites:** COMM 123 and COMM 323 or 421.

COMM 433. Small Group Communication, 3 hours, Spring odd years

Basic theory and techniques of oral interaction for leaders and participants in small group settings. **Prerequisite:** COMM 135.

COMM 435. Speech Methods for Secondary Teachers, 1 hour, As Needed

Study of the problems, methods and materials in the teaching of speech on a secondary level. Courses of study, textbooks and teaching strategies. **Prerequisites:** COMM 135 and 337.

COMM 436. Advanced Public Speaking, 3 hours, Fall even years

This course builds on the foundation laid in the Speech Fundamentals (COMM 135) courses. Instruction focuses on speaking styles, including impromptu, extemporaneous, manuscript, and memorized speaking. **Prerequisite:** COMM 135.

COMM 457. Senior Seminar: Communication Studies Theory and Research, 3 hours, Fall

Designed to synthesize the graduating student's coursework in communication studies with emphasis on the application of theory and research. The student will design a research project, implement an initial study and present the results. The student also will be prepared for post-graduation professional expectations. **Prerequisite:** COMM 123, 322 and English 301 with a grade of C or above, senior standing.

COMM 465A. Communication Studies Internship (Advertising/PR), 1-6 hours, Fall, Spring, Summer

Supervised practical experience with professional media organizations. Must be approved by a supervising faculty member. Guidelines may be obtained from the Communication Department. A total of 6 hours of internship credit may be earned within the department. Internship credit may be taken in increments or 6 hours all at once. **Prerequisites:** Listed in guidelines.

COMM 465B. Communication Studies Internship (Media Studies), 1-6 hours, Fall, Spring, Summer

Supervised practical experience with professional media organizations. Must be approved by a supervising faculty member. Guidelines may be obtained from the Communication Department. A total of 6 hours of internship credit may be earned within the department. Internship credit may be taken in increments or 6 hours all at once. **Prerequisites:** Listed in guidelines.

COMM 465C. Communication Studies Internship (Speech), 1-6 hours

Supervised practical experience with professionals involved in a speaking career; must be approved by a supervising faculty member. Guidelines may be obtained from the Communication Department. Internship credit may be taken in increments or 6 hours all at once. **Prerequisites:** Listed in guidelines. A total of 6 hours of internship credit may be counted toward the 34 hour requirement in the major.

Computer Information Systems (CIS)

CIS 206. Systems Architecture and Networking for Business, 3 hours, Spring

Describes managerial and operational aspects of computers and networks in a modern business organization. Also studies technical details of business computers, networks, and operating systems.

CIS 225. Business Application Development and Programming, 3 hours, Fall

Examine business requirements for information systems applications. Systems design and software life cycle management. Learn to use common business software development tools and models.

CIS 302. Management Information Systems, 3 hours, Fall, Spring

Principles of information systems in business, the impact of information technology on organizational success and competitive positioning, and hands-on practice in setting up an integrated information system using computerized accounting and database systems. Hypothetical cases teach hands-on development and implementation. **Prerequisites:** BAD 215 and MKT 300.

CIS 305. Systems Analysis and Design, 3 hours, Fall

Basic concepts of systems analysis, including effective communication, structured analysis tools, problem definition, data collection and analysis, alternative planning, and file and document design techniques. **Prerequisites:** CIS 206 and 225.

CIS 310. Multimedia and Web Design for Business, 3 hours, Fall even years

Study of digital multimedia in the modern competitive business environment. Fundamentals of web design, digital image creation and editing, and Flash authoring. Integration of digital multimedia into marketing, information management and electronic commerce functions of business.

CIS 350. Principles of E-Commerce, 3 hours, Spring even years

This course focuses on changes in the way business operates due to e-commerce, changes in competitiveness, opportunities for smaller firms to compete, and how e-commerce is changing established firms' distribution systems and supply-chain hierarchy. Also presented are e-commerce management strategies, marketing strategies, internet security, and other issues. **Prerequisite: CIS 302.**

CIS 401. Database Design and Development, 3 hours, Fall

Defines the role of databases and database applications in contemporary organizations. The student explores data modeling approaches including entity-relationship and semantic object models. Database design techniques are introduced and practiced in organizational case studies. The student will utilize several database access and management systems, focusing on emergent technology relevant to database applications. **Prerequisite: CIS 305 or instructor's consent.**

CIS 402. Systems Project, 3 hours, Spring

Application of programming, systems development and data base techniques learned in earlier courses will be applied to group projects in a real world setting. **Prerequisites: CIS 401 or instructor's consent.**

CIS 404. Information System Security, 3 hours, Spring odd years

This course will provide an overview of the importance of information system security to business operations and the methods that are available to implement security solutions in business organizations. In addition to the study of theory and managerial applications of security measures, there will also be in-class security labs utilizing local systems and virtual servers to illustrate the dangers of security flaws and applications of secure practices. **Prerequisites: CIS 206 and 305.**

CIS 405. Systems Management Internship, 1-6 hours, Offered periodically

Internships are submitted as a proposal to the CIS faculty according to specified proposal criteria. The CIS faculty will review each proposal and if approved will assign the appropriate number of hours which will be granted for a particular internship. Course may be repeated for a maximum of 6 hours with the instructor's consent. S/F grading. **Prerequisites: junior standing and instructor's consent.**

CIS 406. Independent Study in CIS, 1-3 hours, Offered periodically

After obtaining a sponsor from among the CIS faculty, students may propose the project to the CIS faculty. Projects will be evaluated on their pertinence to CIS and the educational value to the student. Upon approval, CIS faculty will assign the appropriate number of hours to be granted upon satisfactory completion of the project. **Prerequisites: junior standing and instructor's consent.**

Computer Science (CSC)

CSC 107. Computer Programming I, 3 hours, Fall even years

An introduction to fundamental aspects of the field of computing, focusing on problem-solving and software design concepts and their realization as computer programs in C++. **Prerequisite: Consent of instructor.**

CSC 108. Computer Programming II, 3 hours, Offered periodically

Abstract data types, recursion, basic data structures (queues, stacks, trees, and graphs) and transformations (sorting and searching). **Prerequisite: CSC 107.**

CSC 109. Introduction to FORTRAN, 3 hours, Offered periodically

Design and execution of FORTRAN programs for solving engineering, mathematical, and scientific problems. **Prerequisite: Math 125 or instructor's consent.**

CSC 201. A Programmer's Introduction to C, 3 hours, Offered periodically

The syntax of the C language, methodology of object-oriented programming in C including objects, classes, and class libraries. **Prerequisite: CSC 108 or instructor's consent.**

CSC 202. Introduction to Java, 3 hours, Offered periodically

The syntax of the Java programming language including stand-alone applications and applets for the WWW, methodology of object-oriented programming, graphical user interface components, multithreading, and multimedia programming. **Prerequisite: CSC 108 or instructor's consent.**

CSC 203. Computer Organization and Architecture, 3 hours, Offered periodically

Principles of computer architecture, data representation, machine language execution cycle, addressing modes, symbolic assembly language, interfacing, communication, fundamentals of an operating system. **Prerequisite: CSC 107.**

CSC 204. Algorithms, 3 hours, Offered periodically

Algorithm design techniques, greedy algorithms, divide-and conquer approaches, dynamic programming, data representation, heuristic search, program complexity, and algorithm verification. **Prerequisites: CSC 108 and MATH 207.**

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CSC 305. Theory of Computation, 3 hours, Offered periodically

Formal models of computation such as finite state automata, pushdown automata, and Turing machines, along with corresponding elements of formal languages, regular expressions, context-free languages, and recursively enumerable languages. **Prerequisites: CSC 108 and MATH 207.**

CSC 306. Assembly Language, 3 hours, Offered periodically

Elementary computer architecture, programming in machine and assembly languages. **Prerequisites: CSC 203 and MATH 207.**

CSC 406. Principles of Programming Languages, 3 hours, Offered periodically

The theory of programming languages, data types, data control, sequence control, run-time storage, language translations, semantics. Language models will include procedural, function, logic, and object-oriented programming. **Prerequisite: CSC 203.**

CSC 407. Operating Systems, 3 hours, Offered periodically

Advanced computer architecture, technological choices, and the operating system interface with the hardware, the application, and the system user. Process synchronization, memory management, devices, files and performance evaluation. **Prerequisite: CSC 203.**

CSC 450. Senior Project, 1 hour, Offered periodically

An independent investigation of some topic in the field that is of interest to the student and his/her career objectives. The student will be directed by a member of the faculty to research appropriate sources, write a paper, and make an oral presentation of the findings.

Consumer Services (CS)

CS 135. Personal and Family Management, 3 hours, Fall, Spring

Developing goal-setting, resource management, decision making, and planning and execution skills to improve the quality of personal and family life.

CS 333. Public Policy and the Family, 3 hours, Fall alternate years

Clarifying perspectives, becoming informed about issues impacting consumers and families, and learning strategies for influencing policy to enhance quality of life. **Prerequisite: 3 hours social science elective.**

CS 338. Personal and Family Finance, 3 hours, Fall, Spring

Financial management for individuals and families; budgeting, credit, insurance, taxes, savings, debt repayment, investing, and retirement.

CS 339. Financial Counseling, 3 hours, Spring alternate years

Examination of the components of financial counseling including counseling skills, credit legislation, debt reduction methods, collection policies and practices, bankruptcy, and government assistance programs. **Prerequisite: CS 338.**

CS 432. Cooperative Management, 4 hours, Fall, Spring, Summer on demand

An integrative, cooperative team experience emphasizing communication, relationship strategies, problem solving, leadership and management skills as applied to creating sustainable housing and capacity building via entrepreneurship related to housing. Second semester junior/senior standing. Laboratory. **Prerequisites: CS 135, FN 210 or 214 and 310, and instructor's consent. \$100 fee.**

CS 467. Internship in Consumer Services, 3 hours, Fall, Spring, Summer

Supervised experience in consumer services related business or agency. **Prerequisites: CS 135, INTD 247, FMD 348, CS 338, and instructor's consent.**

Driver Education (DRED)

DRED 301. Basic Driver and Traffic Safety Education, 3 hours, Summer

Methods and materials of driver education. **Prerequisites: Must be in teacher licensure program and have instructor approval.**

DRED 401. Advanced Driver and Traffic Safety Education, 4 hours, Summer

Analysis of driving patterns with emphasis on safe vehicular use. Roadway experience is included. **Prerequisites: DRED 301 and instructor's consent.**

Economics (ECON)

ECON 204. Economic Concepts, 3 hours, Offered periodically

Basic course for majors outside the business department. Covers the study of market principles, national income, role of government, allocation of resources and distribution of income. **Business majors may not enroll in this course.**

ECON 210. Principles of Microeconomics, 3 hours, Fall, Spring

The study of markets, externalities, government intervention, taxation, and individual markets such as agriculture, health care and labor.

ECON 220. Principles of Macroeconomics, 3 hours, Fall, Spring

National income and its fluctuations, economic role of government, role of commercial banks and the Federal Reserve System, monetary economics, and an introduction to international economics. **Prerequisites:** ECON 210.

ECON 302. Labor Economics, 3 hours, Offered periodically

A study of the labor market from the demand and supply side. Wage rate determination. Labor market institutions and government intervention in the market. **Prerequisite:** ECON 220.

ECON 310. International Trade and Finance, 3 hours, Offered periodically

First course in the economic theory of international trade and international financial flows. **Prerequisite:** ECON 220.

ECON 403. Public Finance and Public Policy, 3 hours, Offered periodically

Interactions between federal government and the business community. Antitrust enactment, governmental regulatory agencies and the impact of taxation on social welfare. **Prerequisite:** ECON 220 or instructor's consent.

ECON 404. Financial Institutions and Monetary Theory, 3 hours, Offered periodically

Analysis of the financial system, and financial institutions, advanced macroeconomic theory, and monetary policy. **Prerequisite:** ECON 220.

ECON 405. Economics of Industrial Organization and Management, 3 hours, Offered periodically

The economic theory of consumer demand and business profit maximization as it applies to business decision making. Other topics affecting business strategy, competition, lobbying and positioning, such as the competitiveness of markets, market structure, business practices, antitrust policies, regulation of business and international competition are presented. **Prerequisites:** ECON 220 and FIN 201.

ECON 415. Health Economics, 3 hours, Offered periodically

A study of the economics of health care organizations and markets. The course will consider demand side issues such as the effects of insurance, the principal-agent problem, moral hazard, and information problems. The course will also consider supply side issues such as managed care organizations, third party payer systems, schooling, and malpractice. **Prerequisite:** ECON 210 or instructor's consent.

Education (EDUC)

EDUC 203. Foundations of Education, 3 hours, Fall, Spring, Summer

Survey of historical, sociological, and philosophical foundations of American education. Practicum required. Must provide proof of liability insurance.

EDUC 204. Educational Technology, 3 hours, Fall, Spring

The course prepares future teachers to effectively utilize technology as a tool for student learning and for their own productivity and professional development. Students learn basic computer skills as well as how to use productivity software and Internet tools. Macintosh and Windows computers are used.

EDUC 314. Literacy Development through Language Arts, 3 hours, Fall, Spring, Summer

Introduction to theory, structures and strategies for integrating the language arts communication skills of reading, writing, listening, and speaking. Practicum required. Must provide proof of liability insurance. **Prerequisite:** EDUC 341.

EDUC 341. Curriculum, Instruction, and Management of the K-6 Classroom, 3 hours, Fall, Spring

Provides an overview of developmentally appropriate practice in the K-6 classroom. Emphasis is placed on understanding that effective instruction and classroom management is based on an understanding of children's developmental characteristics, educational theories, and the requirements of the elementary curriculum. Practicum required. Must provide proof of liability insurance.

EDUC 342. Curriculum, Instruction, and Management of the Middle Grades Classroom, 3 hours, Fall, Spring, Mayterm as needed

Provides an overview of developmentally appropriate practice in the middle grades classroom. Emphasis is placed on understanding that effective instruction and classroom management is based on an understanding of children's developmental characteristics, education theories, and the requirements of the middle grades curriculum. Practicum required. Must provide proof of liability insurance.

EDUC 350. Diversity in Schools, Homes, and Communities, 2 hours, Fall, Spring

Explores diversity in contemporary society and the implications of it for today's student population, schools and classroom teachers. Exploration of the relationships between students, schools, homes and communities will include the examination of value systems, communication strategies, roles of government, and power structures. A particular focus will be on meeting the needs of all learners through collaboration with other professionals including school administrators, school counselors and social workers, special educators, general educators, occupational, speech, and physical therapists, and other members of the medical profession.

EDUC 400. Teaching Assistantship, 1-3 hours, Fall, Spring, Summer

Teacher Education student assists faculty members with grading, class exercises, tutoring, research, etc. May be repeated for a maximum of 3 hours. S/F grading. **Prerequisite:** Departmental approval.

EDUC 403. Assessment and Evaluation, 3 hours, Fall, Spring, Summer

Presents the student with theory and skill in techniques for measuring, learning and gathering information about learner performance in order to measure learning and improve instruction. Preparation in the areas of types of learning, norm- and criterion-referenced tests, test construction and evaluation, and the use of alternative grading systems will be included. The student will be involved in critiquing existing tests and in designing and evaluating new tests, as well as interpreting and communicating test results.

EDUC 414. Reading Instruction and Assessment, 4 hours, Fall, Spring

Introduction to the theory that undergirds literacy development and emphasizes practical implementation of effective literacy strategies through a 25-hour practicum experience. Students will develop an understanding of the causes of reading difficulties and use this knowledge in planning and assessing literacy skills of an individual student. Practicum required. Must provide proof of liability insurance. **Prerequisites: Admission to Teacher Education Program, EDUC 204, 314, 341, SPED 313, 318.**

EDUC 415. Mathematics, Science, and Social Studies in the Primary Grades, 4 hours, Fall

Introduction to methods and materials for teaching mathematics, science, and social studies in grades K-3. Activities will focus on curriculum, planning, strategies for teaching and assessing, and methods of integrating learning in the three subject areas. Practicum required. Must provide proof of liability insurance. **Prerequisites: Admission to Teacher Education Program.**

EDUC 421. Teaching History and Social Studies, 3 hours, Fall

Objectives and content for teaching history and social studies. Selection and evaluation of materials. Students create and teach one unit. Practicum required. Must provide proof of liability insurance. **Prerequisites: Admission to Teacher Education Program and EDUC 450 (can be a corequisite).**

EDUC 422. Teaching English, Literature, and Theatre, 3 hours, Fall

Materials, curriculum, and methods. Practicum required. Must provide proof of liability insurance. Must provide proof of liability insurance. **Prerequisites: Admission to Teacher Education Program and EDUC 450 (can be a corequisite).**

EDUC 423. Teaching in the Natural Sciences, 3 hours, Fall

Philosophy and objectives. Selection and organization of materials. Practicum required. Must provide proof of liability insurance. **Prerequisites: Admission to Teacher Education Program and EDUC 450 (can be a corequisite).**

EDUC 424. Teaching Mathematics in the Secondary Schools, 3 hours, Fall

Materials, curriculum, and methods. Practicum required. Must provide proof of liability insurance. **Prerequisites: Admission to Teacher Education Program and EDUC 450 (can be a corequisite).**

EDUC 425. Teaching Business Education, 3 hours, Fall

Prepares the student to teach basic business and accounting courses in the secondary curriculum. Practicum required. Must provide proof of liability insurance. **Prerequisites: Admission to Teacher Education Program and EDUC 450 (can be a corequisite).**

EDUC 432. Teaching Reading in the Content Area, 2 hours, Offered as needed

Strategies for various subject areas. **Prerequisites: Admission to Teacher Education Program and EDUC 450 (can be a corequisite).**

EDUC 434. Teaching Modern and Classical Languages, 3 hours, Fall

Methods and techniques. Practicum required. Must provide proof of liability insurance. **Prerequisites: Admission to Teacher Education Program and EDUC 450 (can be a corequisite).**

EDUC 440. K-6 Mathematics Methods, 3 hours, Fall, Spring

Introduction to methods and materials for teaching mathematics in the elementary school. Activities will focus on curriculum, planning, and strategies for teaching and assessing K-6 mathematics. Practicum required. Must provide proof of liability insurance. **Prerequisites: Admission to Teacher Education Program, EDUC 204, 314, 341, PSY 404, SPED 313, 318; Corequisites: EDUC 414, 444, 449.**

EDUC 444. K-6 Science Methods, 3 hours, Fall, Spring

Preparation to teach science on the elementary and middle school levels. Curricula, materials, and instructional approaches will be addressed. Age-appropriate "hands-on" and "minds-on" activities will be stressed. Controversial issues relevant to the science classroom will be discussed. Practicum required. Must provide proof of liability insurance. **Prerequisites: Admission to Teacher Education Program, EDUC 204, 314, 341, 342, PSY 404, SPED 313, 318; Corequisites: EDUC 414, 440, 449.**

EDUC 445. Middle Grades Mathematics Methods, 3 hours, Fall, Spring

An introduction to methods and materials for teaching mathematics in 4-8 classrooms. Activities will focus on curriculum, planning, and strategies for teaching and assessing 4-8 mathematics. Practicum required. Must provide proof of liability insurance. **Prerequisites: EDUC 342, Admission to Teacher Education Program; Corequisites: EDUC 446, 447, 448.**

EDUC 446. Middle Grades Science Methods, 3 hours, Fall, Spring

This course equips pre-service teacher education candidates to teach science to students in grades 4-8. Students will develop an appreciation of the critical role that science plays in producing future citizens who are scientifically literate and therefore able to participate knowledgeably in a progressively scientific and technologically based society. The course focuses on developmentally appropriate curriculum, planning, teaching strategies, safety and logistics for hands on, minds on science. Practicum required. Must provide proof of liability insurance. **Prerequisites:** EDUC 342, Admission to Teacher Education Program; **Corequisites:** EDUC 445, 447, 448.

EDUC 447. Middle Grades Literacy Methods, 3 hours, Fall, Spring

The course provides an introduction to methods and materials for literacy instruction in the middle grades with an emphasis on curriculum implementation. Activities will focus on standards, curriculum, planning, teaching and assessing literacy in the middle grades language arts classrooms. Practicum required. Must provide proof of liability insurance. **Prerequisites:** EDUC 342, Admission to Teacher Education Program; **Corequisites:** EDUC 445, 446, 448.

EDUC 448. Middle Grades Social Studies Methods, 3 hours, Fall, Spring

The course equips prospective teachers to teach social studies to students in grades 4-8. Students will develop an appreciation of the critical role that social studies plays in producing future citizens who will have the knowledge and desire to participate in democracy. The course includes the curriculum and teaching strategies necessary for the middle grades social studies program. Practicum required. Must provide proof of liability insurance. **Prerequisites:** EDUC 342, Admission to Teacher Education Program; **Corequisites:** EDUC 445, 446, 447.

EDUC 449. K-6 Social Studies Methods, 3 hours, Fall, Spring

The purpose of this course is to equip prospective teachers to teach social studies to students in grades K-6. Students will develop an appreciation of the critical role that social studies plays in producing future citizens who will have the knowledge and desire to participate in democracy. The course includes the curriculum and teaching strategies necessary for the elementary social studies program. Practicum required. Must provide proof of liability insurance. **Prerequisites:** Admissions to Teacher Education Program, EDUC 204, 314, 341, 342, PSY 404, SPED 313, 318; **Corequisites:** EDUC 414, 440, 444.

EDUC 450. Curriculum, Instruction, and Management for K-12 and 7-12 Classrooms, 3 hours, Fall, Spring

Presents the theories behind effective instructional planning and classroom management strategies and their practical implementation. Special attention will be given to the application of these methods to address the needs of diverse and special populations in the classroom thereby preparing teacher education candidates to teach so that all students learn. Practicum required. Must provide proof of liability insurance. **Prerequisites or corequisite:** EDUC 350.

EDUC 461. Liberal Arts Education Capstone Seminar, 1 hour, Fall, Spring

Designed to help students integrate content knowledge from the liberal arts core, the major, and professional education course work.

EDUC 463. Seminar in Student Teaching, 2 hours, Fall, Spring

This course is designed as the capstone experience for the teacher education program and the student teaching experience. Student teachers will reflect upon and analyze the experiences they are having in the classrooms to which they are assigned, and they will refine skills for entering the teaching profession. All PRAXIS II exams required for licensure must be completed before a passing grade will be assigned for the course. Successful completion of this course is a requirement for the completion of all licensure programs. Must provide proof of liability insurance. **Corequisites:** EDUC 465 and 467. **Prerequisites:** Admission to the Teacher Education Program and Student Teaching Semester.

EDUC 465. Student Teaching: Placement One, 5 hours, Fall, Spring

Observation, participation, and teaching under professional supervision. Must provide proof of liability insurance. **Corequisites:** EDUC 463 and 467. **Prerequisites:** Admission to the Teacher Education Program and Student Teaching Semester. *\$100 fee.*

EDUC 467. Student Teaching: Placement Two, 5 hours, Fall, Spring

Observation, participation, and teaching under professional supervision. Must provide proof of liability insurance. **Corequisites:** EDUC 463 and 465. **Prerequisites:** Admission to the Teacher Education Program and Student Teaching Semester. *\$100 fee.*

Engineering Drawing (ENDR)

ENDR 201. Engineering Drawing I, 3 hours, Offered periodically

Techniques, sketching and lettering. Computer assisted drawing. One lecture and 3 hours of drawing lab a week.

ENDR 202. Engineering Drawing II, 3 hours, Offered periodically

Geometrical and graphical construction in solving problems. Computer assisted design. One lecture and 3 hours of drawing lab a week. **Prerequisite:** ENDR 201.

English (ENG)

Note: A grade of C or better in ENG 101 is prerequisite to all English courses 200 level or higher.

ENG 101. Writing and Literary Studies I, 3 hours, Fall, Spring, Summer

A study of the writing process, with an emphasis on improving grammar, mechanics, punctuation, style, usage, and development. Includes introduction to literary analysis with emphasis on Appalachian writing. (A minimum grade of C is required.)

ENG 201. Writing and Literary Studies II, 3 hours, Fall, Spring

Development of writing with emphasis on thematic analysis of literary texts from the Classical Age through the Renaissance; includes research writing, library usage, and development of critical thinking. **Prerequisite: ENG 101.**

ENG 204. Literature for Children and Youth, 3 hours, Fall, Spring

Selection, analysis, and uses of literature from early childhood through middle school. History of children's literature and study of illustrators.

ENG 300. Teaching Assistantship, 1-3 hours, Fall, Spring

Majors selected by departmental invitation to tutor students in writing and assist English faculty. Does not count toward the 36 hours required for the English major or for the minor.

ENG 301. Writing and Literary Studies III, 3 hours, Fall, Spring

Thematic study of literary texts from the Restoration to the Contemporary period, with writing and research. **Prerequisite: ENG 201.**

ENG 305. Literary Criticism and Theory

A study of literary interpretation, including an introduction to the history of literary criticism and the practice of analyzing and writing about literature, using current documentation and styles. The initial course in the major, English 305 can be taken simultaneously with English 201 or 301.

ENG 310. Introduction to the Art of Film, 3 hours, Fall

Beginning course in the vocabulary and methods of film study. Emphasis on film techniques, style, and artists. *\$50 fee.* Same as FILM 310.

ENG 311. Film History, 3 hours, Spring odd years

An introduction to the history of world cinema. *\$50 fee.* Same as FILM 311.

ENG 319. Research and Writing, 1 hour, Spring

See HONORS PROGRAM

ENG 321. Creative Writing: Poetry, 3 hours, Fall even years

Practicum citing contemporary poetry as models; possible publication in *Ampersand*. *\$50 fee.*

ENG 323. Creative Writing: Short Story, 3 hours, Fall odd years

Practicum citing contemporary short stories as models; possible publication in *Ampersand*. *\$50 fee.*

ENG 327. Seminar in Creative Writing, 3 hours, Spring

Advanced course using models and emphasizing discussion of student writings. **Prerequisite: ENG 321 or 323.** Course may be repeated with change of content. *\$50 fee.*

ENG 328. Advanced Composition, Grammar, and Language Studies, 3 hours, Fall

Focuses on composition processes, applied grammatical analysis, and the history of the English language.

ENG 340. Studies in the Novel, 3 hours, Fall

Development of the novel as a genre, with representative selections. Course may be repeated with change of content.

ENG 341. Studies in the Short Story, 3 hours, Spring

Development of the short story as a genre, with representative selections from the 19th and 20th centuries. Course may be repeated with change of content.

ENG 342. Studies in Drama, 3 hours, Spring

Development of drama as a genre, with representative selections. Course may be repeated with change of content. TH credit for Theatre majors or minors.

ENG 343. Studies in Poetry, 3 hours, Fall

Development of poetry as a genre, with representative selections. Course may be repeated with change of content.

ENG 344. Studies in American Film Genres, 3 hours, Spring even years

Examination of the major types since the studio era of the 1930's, often including the western, screwball comedy, horror, gangster, and musical films. Same as FILM 344.

ENG 360. American Literature I, 3 hours, Fall

Intensive study of the works of representative American writers from the colonial period to the Civil War.

ENG 361. American Literature II, 3 hours Spring

Intensive study of the works of representative American writers from the Civil War to the present.

ENG 362. British Literature I, 3 hours, Fall

Intensive study of the works of representative British writers from the Anglo-Saxon period through the 18th century.

ENG 363. British Literature II, 3 hours, Spring

Intensive study of the works of representative British writers from the Romantic period to the present.

ENG 415. International Cinema, 3 hours, Offered periodically

Study of film outside the United States, often focusing on movies from a single country, for example, Argentina, Japan, Australia, or Ireland. Course may be repeated with a change of content. Same as FILM 415.

ENG 423. Shakespeare, 3 hours, Fall

Life and major works of Shakespeare, with emphasis on critical interpretations and textual studies. TH credit for Theatre majors or minors.

ENG 440. Topics in Women Writers, 3 hours, Fall

Study of literature by women, with representative authors. Course may be repeated with change of content.

ENG 441. Film Authors, 3 hours, Fall odd years

Study of work by authors of motion pictures, usually film directors. Course may be repeated with a change of content. Same as FILM 441.

ENG 442. Topics in Appalachian Literature, 3 hours, Spring

An analytical and historical survey of selected works from Southern Appalachia with emphasis on literary techniques and cultural values in the context of American literature. Course may be repeated with a change of content.

ENG 443. Topics in Ethnic Literature, 3 hours, Fall

In-depth study of ethnic literary traditions. Course may be repeated with a change of content.

ENG 444. Topics in Gender, 3 hours, Offered periodically

Focus on gender issues in literature from a variety of cultures and historical contexts. Course may be repeated with a change of content.

ENG 446. Topics in Naturalist and Environmental Literature, 3 hours, Offered periodically

Studies of literature focusing on the natural world and the environment, with emphasis on American and English writers of the nineteenth and twentieth centuries. Course may be repeated with a change of content.

ENG 447. Topics in Southern Women Writers, 3 hours, Spring, alternate even years

Examination of literature by selected Southern women writers.

ENG 450. Major Authors of American Literature, 3 hours, Fall

In-depth study of two or more American authors. Course may be repeated with a change of content.

ENG 451. Major Authors of British Literature, 3 hours, Spring

In-depth study of two or more British authors. Course may be repeated with a change of content.

ENG 460. English Seminar, 3 hours, Fall

For junior and senior English majors. Literary analysis, critical theories, research methods, introduction to job search and graduate study.

ENG 465. English Internship, 3 hours, Fall, Spring, Summer

Supervised experience in a workplace which offers students opportunities for observation, exploration, and application of relevant, practical English skills; must be approved by a supervising faculty member. Guidelines may be obtained from the English department. Does not count toward the 36 hours required for the English major or for the minor. Repeatable to a maximum of 6 hours.

English Language Institute (ELI)

ELI 011. Speaking/Listening, 5 hours, Offered as needed

Introduction to basic oral communication and listening comprehension skills.

ELI 012. Reading/Writing, 5 hours, Offered as needed

Introduction to reading and basic written communication skills.

ELI 013. Grammar, 3 hours, Offered as needed

Introduction to basic grammatical structures.

ELI 014. Speaking/Listening/Reading/Writing, 1-12 hours, Offered as needed

Permission of ELI director required.

ELI 021. Speaking/Listening, 5 hours, Offered as needed

Focus is on expanding oral communication and listening comprehension skills.

ELI 022. Reading/Writing, 5 hours, Offered as needed

Focus is on sentence structure and writing effective paragraphs through process writing.

ELI 023. Grammar, 3 hours, Offered as needed

Focus is on the review of basic grammatical structures and concentration on specific grammatical problems.

ELI 031. Speaking/Listening, 5 hours, Offered as needed

Focus is on the refinement of oral communication and listening skills for use in the college classroom.

ELI 032. Reading/Writing, 5 hours, Offered as needed

Focus is on writing of various modes of academic paragraphs and essays and on reading texts with emphasis on development of fluency through use of coherence, cohesion, and vocabulary expansion.

ELI 033. Grammar, 3 hours, Offered as needed

Focus is on using complex grammatical structures need for writing effective college essays and essay-style answers on exams.

ELI 041. Speaking/Listening, 3 hours, Offered as needed

Focus is on the mastery of oral communication and listening skills for the college classroom and the workplace.

ELI 042. Reading/Writing, 5 hours, Offered as needed

Focus is on writing effective essays and a research paper and on reading and critical thinking skills appropriate for the college classroom and the professional work environment.

ELI 043. Grammar, 5 hours, Offered as needed

Focus is on the refinement of complex grammatical structure and language usage with special attention to American word collocation.

Exercise Science (EXSC)

EXSC 104. Introduction for Exercise Science, 2 hours, Fall

An introductory survey course that provides an overview of the exercise science profession including: career opportunities, academic and certification requirements, reputable professional organizations and contemporary issues. The class features several guest speakers and the opportunity to work shadow various allied health professionals.

EXSC 215. Fitness Appraisal and Prescription, 3 hours, Spring

The course examines in detail the protocol for proper fitness assessment of normal populations. The class systematically addresses each component of fitness assessment including: health status appraisal, cardiorespiratory fitness, body composition, muscular strength and endurance and flexibility. The student will learn to use the results of the assessment to design an appropriate exercise prescription for healthy populations. **Corequisite: BIOL 208. Prerequisites: EXSC 104, BIOL 207.**

EXSC 216. Practicum in Exercise Science I, 1 hour, Spring

A laboratory predicated to practicing and performing the components of fitness assessments for health populations. In addition, blood sugar and lactic acid analysis will be addressed concerning special and athletic populations. **Corequisite: EXSC 215. Prerequisite: EXSC 104.**

EXSC 312. Fitness and Rehabilitation for Special Populations, 3 hours, Fall

The course provides students with a fundamental understanding of the pathophysiology of the most prevalent chronic conditions. Further, the student will learn how regular physical activity effectively manages chronic disease including: coronary heart disease, congestive heart failure, peripheral artery disease, obesity, diabetes, arthritis, hypertension, high cholesterol and chronic obstructive pulmonary disease. **Prerequisites: EXSC 104, 215, 216, BIOL 207, 208, or instructor's consent.**

EXSC 316. Practicum in Exercise Science II, 1 hour, Fall

A professional guided experience in which the student will be assigned to an individual with a chronic condition. The student will be responsible for designing and conducting an appropriate fitness assessment and exercise prescription given the individual's medical history and functional abilities. Each week throughout the semester, the student will provide three hours of exercise supervision and consistently modify the individual's exercise recommendations. **Corequisite: EXSC 312. Prerequisites: junior standing; EXSC 215 and 216.**

EXSC 345. Dynamics of Strength Training, 3 hours, Spring

The course provides the student with a comprehensive knowledge base concerning an individualized approach to strength training, including: skeletal muscle anatomy, physiology and response to regular strength training. The course will integrate guidelines from the American College of Sports Medicine, The National Strength and Conditioning Association, and The Surgeon's General Report to properly design strength training program for general and special populations as well as athletes. **Prerequisites: junior standing; EXSC 215, 216; PHYS 103 or instructor's consent.**

EXSC 350. Applied Kinesiology, 4 hours, Fall

This course is designed to provide undergraduate students with the basic survey of human anatomy, physiology, and human mechanical movement specific to physical education and exercise science professions. Theory is balanced with laboratory experiences within the sport and real world physical education profession in order to provide an integrated view of Kinesiology. **Prerequisites: BIOL 207 and 208.** Taught as BIOL 407.

EXSC 401. Senior Seminar, 3 hours, Spring

The course addresses contemporary issue and theories in exercise science and physiology such as the fat and carbohydrate metabolism, the detrimental effects of ultraendurance events, the physiological factors which limit exercise performance and lactate threshold training. Classroom experience includes presentations and point-counterpoint debates. Each student is required to lead two lectures on an approved subject. **Prerequisites: EXSC 104, 215, 216, 312, 316 and 345 or instructor's consent.**

EXSC 440. Physical Activity Epidemiology, 3 hours, Fall

The course examines the basis of epidemiological research and its application to exercise science. Students will acquire knowledge of existing epidemiological research regarding the degree to which regular physical activity provides positive physical and psychological benefits. Chronic health conditions will be addressed including their etiology and clinical manifestations. **Prerequisites: EXSC 104, 215, 216, 312, 316 and 345 or instructor's consent.**

EXSC 469. Exercise Science Internship, 6 hours, Summer

The internship serves as a capstone event that entails students applying their academic knowledge base in a professional rehabilitation or fitness setting. The internship will take place in a professional setting commensurate with the student's career choice. The student is required to complete 200 hours at an approved organization under the direct supervision of an exercise science professional. **Prerequisites: EXSC 104, 215, 216, 312, 316, 345, 401 and 440; PE 402; BIOL 403.**

Family and Consumer Sciences (FCS)

FCS 121. Professional Orientation, 1 hour, Fall, Spring

Survey of family and consumer sciences profession. Professionalism, career opportunities and preparation for professional study.

FCS 321. Professional and Multicultural Etiquette, 3 hours, Offered periodically

Concepts and processes involved in etiquette for professional behavior in traditional and multicultural settings throughout the lifespan.

FCS 400. Teaching Assistantship, 1-3 hours, Fall, Spring

Majors assist with research, class activities, and tutoring; by departmental invitation. S/F grading. May be taken more than once, limit 6 hours.

FCS 421. Senior Seminar, 1 hour, Fall

Mission, ecological perspective, professional ethics, and future directions for family and consumer sciences. Strategies for professional growth and public advocacy. **Prerequisites: senior standing, FCS 121 or instructor's consent.**

Family and Consumer Sciences Education (FCSE)

FCSE 320. Introduction to Family and Consumer Sciences Education, 3 hours, Spring odd years

Philosophy of career and technical education and family and consumer sciences education; facilitation of co-curricular youth program, Family, Career and Community Leaders of America (FCCLA); curriculum development; and delivery management. Emphasis on organization and administration of Family and Consumer Sciences at secondary level.

FCSE 424. Methods of Teaching Family and Consumer Sciences Education, 2 hours, Fall

Assessment of Family and Consumer Sciences education in secondary schools and community. Emphasis on lesson development, delivery methods and procedures, assessment and creation of materials, community assessment, and program evaluation. **Prerequisite: FCSE 320 or instructor's consent. Corequisite: FCSE 426, CFS 427, or Foods, Nutrition, and Dietetics major.**

FCSE 425. Occupational Family and Consumer Sciences Education, 3 hours, Offered periodically

Organization and administration of facilities, materials, and learning experiences in occupational secondary school programs including methods and curriculum development. **Prerequisite: FCSE 320 or instructor's consent.**

FCSE 426. Methods of Teaching Family and Consumer Sciences Education Practicum, 1 hour, Fall

Observation and practical application of principles, objectives, methods, materials, procedures, and evaluation for teaching middle and secondary level family and consumer sciences. **Prerequisite: FCSE 320 or instructor's consent, Admission to Teacher Education Program. Corequisite: FCSE 424.**

Fashion Merchandising and Design (FMD)

FMD 141. Design, Culture, and the Near Environment, 3 hours, Fall, Spring

Impact of design in the near environment, emphasizing the ecosystem of cultures, symbols, and individuals as a means to understanding self and others.

FMD 143. Fashion Industry, 3 hours, Fall odd years

The dynamics, production, markets, procurement, and distribution of fashion.

FMD 241. Textiles, 3 hours, Fall even years

An analysis of textile production by examining fibers, yarns, fabric construction, dyeing and printing techniques, and finishes. Other topics include textile performance and proposed use, care, legislation. Both the apparel and interior design perspectives are considered. *Nominal fee.*

FMD 242. Clothing Construction, 3 hours, Spring

Principles of fabric selection, garment construction and fit. Application of principles includes both the fashion and interior design perspectives. Laboratory. **Prerequisite:** FMD 241 or instructor's consent. *Nominal fee.*

FMD 341. Merchandising I, 3 hours, Fall odd years

The quantitative principles of profit and loss, cost of merchandise sold, pricing, inventory valuation, planning, buying, and control as they relate to the merchandising of fashion. **Prerequisite:** FMD 348 or instructor's consent.

FMD 342. Merchandising II, 3 hours, Spring even years

A global and comprehensive perspective of merchandising as it functions in the supply channel to activate product concept development, price fashion forecasting, line development, buyers' preparation for market, and buyers' translation of the market to product delivery. **Prerequisite:** FMD 341.

FMD 345. Fashion History, 3 hours, Fall odd years

A chronology of Western dress that reveals the fashion of each era within its historical, cultural, and economic contexts. The elements of style for each period will be documented.

FMD 346. Apparel Design, Spring even years

Application of flat pattern and draping techniques to the creation and construction of apparel design. **Prerequisites:** FMD 141, 241, 242, 345.

FMD 348. Retailing, 3 hours, Fall

A strategic entrepreneur perspective which includes philosophy, objectives, location, organization, finance, operation, consumer decision making, and environmental analysis.

FMD 431. Product Development, 3 hours, fall even years

A step-by-step preproduction processes of apparel product development: planning, forecasting, fabricating, developing, silhouettes and specifications, pricing, and sourcing. The value of partnerships among supply chain players is revealed in the delivery of finished goods.

FMD 433. CAD for Apparel, 3 hours, Fall even years

A creative digital journey using apparel software programs to gain skills relevant to designing apparel and textiles. **Prerequisite:** FMD 346.

FMD 442. Advertising and Sales Promotion, 3 hours, Spring

A normative framework for managing the promotional mix of advertising, personal selling, public relations, and sales promotion. **Prerequisite:** FMD 348 or instructor's consent. Same as MKT 442.

FMD 443. Visual Presentation and Store Design, 3 hours, Spring odd years

A creative approach to image development, store design and space management, merchandise presentation. Laboratory. **Prerequisite:** FMD 141 and 348 or instructor's consent. *Nominal fee.*

FMD 468. Internship in Fashion, 3 hours, Fall, Spring, Summer

Supervised experience in a fashion retail establishment. **Prerequisites:** FMD 342, 442, and 443, or instructor's consent.

Film (FILM)

FILM 208. Introduction to Digital Media, 3 hours, Spring

An introduction to the use of digital media in the communication process. Applying learned visual and aural principles students will explore the use of computer-based tools in the design and production of media content by creating and editing digital images, sounds, video, text and motion graphics. Same as COMM 208.

FILM 209. Video Production, 3 hours, Fall

Lecture-laboratory study of the techniques and procedures used in the creation, production and direction of television programming. Emphasis on the function and operation of the primary tools and their application on the production process. Same as COMM 209.

FILM 304. Advanced Production, 3 hours, Spring

Advanced techniques of designing, writing and production of audio, video, film and multimedia presentations. Topics include advanced techniques in videography, editing in a digital environment, script writing, story construction, and performance. **Prerequisites:** COMM 123, 208, and 209. Same as COMM 304.

FILM 305. Digital Storytelling, 3 hours, Fall, Spring

A laboratory experience in researching, designing and producing content in an environment of converging communication forms. Using the resources of the Center for Digital Storytelling students will create multimedia content for various audiences. Each semester the course will focus on a different arena of production (news website, multimedia presentation for a non-profit, a digital filmmaking competition via the internet, etc.). Repeatable for up to 6 hours. **Prerequisites:** COMM 123 and 208. Same as COMM 305.

FILM 310. Introduction to the Art of Film, 3 hours, Fall

Beginning course in the vocabulary and methods of film study. Emphasis on film techniques, style, and artists. *\$50 fee.* Same as ENG 310.

FILM 311. Film History, 3 hours, Spring odd years

An introduction to the history of world cinema. *\$50 fee.* Same as ENG 311.

FILM 320. Topics in Film, 1-3 hours, As needed

This lecture-laboratory course focuses on a single topic in film studies. Subject matter differs each time it is offered. (Topic courses taken through the Los Angeles Film Studies Center require program acceptance and additional fees.) May be repeated for credit.

FILM 327. Media in a Changing World, 3 hours, Fall even years

Analysis of mass media business policies and practices of media organizations in a changing political, economic, regulatory and technological environment. Includes analysis of the historical and structural contexts and implications of new media technologies. Same as COMM 327.

FILM 344. Studies in American Film Genres, 3 hours, Spring even years

Examination of the major types since the studio era of the 1930's, often including the western, screwball comedy, horror, gangster, and musical films. Same as ENG 344.

FILM 415. International Cinema, 3 hours, Offered periodically

Study of film outside the United States, often focusing on movies from a single country, for example, Argentina, Japan, Australia, or Ireland. Course may be repeated with a change of content. Same as ENG 415, GER 415, and SPAN 415.

FILM 427. Film in the Disciplines, 3 hours, Offered periodically

Study of the role of film in traditional disciplines, with emphasis on how those disciplines are viewed in film, as well as the methodologies and issues of the disciplines as reflected in movies. Course may be repeated with change of content. Same as HIST 427, PSY 427, REL 427, and SOC 427.

FILM 441. Film Authors, 3 hours, Fall odd years

Study of major artists who express their personal style and themes through film. Often focuses on directors as auteurs. Course may be repeated with a change of content. Same as ENG 441.

FILM 460. Senior Project, 3 hours, Fall, Spring

Advanced work in screen writing, production, or research designed as a capstone experience.

FILM 465. Internship, 1-6 hours, Fall, Spring, Summer

Supervised practical experience in the film industry. Must be approved by film faculty.

Finance (FIN)

FIN 201. Introduction to Financial Management, 3 hours, Fall, Spring

Students learn the role of finance in a developed economy, in business firms and corporations, and how households use financial techniques. The course will focus on terminology, basic financial relationships and financial institutions such as banks and insurance companies.

FIN 304. Investment Analysis, 3 hours, Fall

A study of U.S. and international financial instruments and securities such as corporate bonds, government bonds, real estate mortgages and investments, commodities, and the stock market. Various techniques of assessing risk and return will be presented. **Prerequisites:** ACCT 202, FIN 201.

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FIN 305. Financial Strategies, 3 hours, Spring

The introduction of financial services with a study of financial institutions, financial instruments, and personal financial planning techniques. The course will cover tax issues and regulation, new methods of borrowing, expanded insurance products and saving and investment vehicles. **Prerequisite: FIN 201.**

FIN 307. Corporate Finance, 3 hours, Spring

An overview of the finance function in large business organizations. Topics such as budget preparation, managing cash flow, breakeven analysis, managing cash, accounts receivable, auditing, and inventory. **Prerequisites: ACCT 202, FIN 201, or instructor's consent.**

FIN 401. Real Estate Investments and Finance, 3 hours, Fall

Overview of real estate markets and the analysis used to support financial decision-making. **Prerequisites: FIN 201.**

FIN 465. Finance Internship, 1-6 hours, Offered periodically

Practical experience gained through an internship in the private or public sector. Proposal must be submitted and approved by supervising instructor. **Prerequisites instructor's consent.**

Foods, Nutrition, and Dietetics (FN)

FN 114. Food and People, 3 hours, Spring

Multicultural factors which influence human foodways with emphasis on nutritional significance of changing world food supply.

FN 210. Basic Nutrition, 3 hours, Spring

Examination of nutrients, diet planning, and energy utilization from life span perspective.

FN 214. Science of Nutrition, 3 hours, Fall, Spring

Essential nutrients, their sources and function in the human body. Daily food selection across the life span using nutritional guidelines. For foods, nutrition, and dietetics majors; nursing majors; and other health professionals.

FN 310. Principles of Food Preparation and Meal Management, 4 hours, Fall, Spring

Principles of food science, meal planning, and preparation with emphases on demonstration techniques, quality evaluation, and styles of service. Laboratory. **Prerequisite: FN 210 or 214. \$50 fee.**

FN 311. Nutrition Education and the Community, 3 hours, Spring alternate years

Nutritional needs of populations and principles in nutrition program planning and implementation for health promotion, disease prevention, and food security in communities. Laboratory. **Prerequisites: FN 114, 214, instructor's consent. \$10 fee.**

FN 313. Quantity Food Systems, 4 hours, Spring alternate years

Theory and practice. Systems approach to food service operation (on-site and commercial) for quantity food production with application of management, financial, HACCP/safety/regulatory, and continuous quality principles. Laboratory. **Prerequisite: FN 210 or 214, 310, or instructor's consent. \$25 fee.**

FN 316. Experimental Food Science, 4 hours, Fall alternate years

Principles of food chemistry, ingredient functionality, and sensory/textural evaluation utilizing scientific method. Current trends in food industry and impact on nutritional well-being. Laboratory. **Prerequisites: CHEM 102 or equivalent, FN 310, instructor's consent. \$50 fee.**

FN 411. Advanced Nutrition, 3 hours, Fall

Metabolism of carbohydrates, lipids, and proteins; role of vitamins and minerals in metabolism; and significance and application of nutrition assessment techniques throughout the life span. **Prerequisites: BIOL 207 and 208, CHEM 102 or equivalent, FN 214 or instructor's consent.**

FN 412. Medical Nutritional Therapy, 3 hours, Spring

Examination of disease states with emphasis on nutrient needs for planning, intervention, and evaluation throughout the life span utilizing nutrition counseling/education techniques. **Prerequisites: BIOL 305 and 306, FN 411 or instructor's consent.**

FN 421. Seminar in Foods, Nutrition, and Dietetics, 1 hour, Fall alternate years

Professional aspects of food and nutrition sciences and dietetics with emphases on trends in health care systems, credentialing, continuing education, communications, leadership, ethics, and public policy. **Prerequisites: FN 114, 214, and 310, junior/senior standing or instructor's consent.**

FN 466. Field Experience in Foods, Nutrition, and Dietetics, 3 hours, Fall, Spring, Summer

Experience in food establishment, dietetic service of health care facility, health/wellness center, or other food/nutrition related business under supervision of Registered Dietitian (RD). **Prerequisites: FN 311, 313, 314, instructor's consent.**

French (FREN)

FREN 101. Elementary French I, 3 hours, Fall

Introduction of the sound system of French and correlation of sounds to written symbols. Vocabulary acquisition and use of common verbs in the present tense. Introduction to the *passé composé*. Pair and small-group work is emphasized for speaking and listening practice. **Prerequisite:** Placement exam.

FREN 102. Elementary French II, 3 hours, Spring

Continuation of skill development from 101. Expressing actions in past time in both the *passé composé* and the *imparfait*. Increased emphasis on writing and reading in French. Pair and small-group work is emphasized for speaking and listening practice. **Prerequisite:** French 101 or placement by exam.

FREN 201. Intermediate French I, 3 hours, Fall

Continuation of skill development from 102. Review of regular and irregular verbs in the present, past, and imperfect tenses. Emphasis on reading and writing short compositions. Pair and small-group work is emphasized for speaking and listening practice. Skill development expectations focus on using more complex complete sentences and longer paragraphs including past tense forms. **Prerequisite:** FREN 102 or placement by exam.

FREN 202. Intermediate French II, 3 hours, Spring

Continuation of skill development from 201. Review of the subjunctive, object pronouns, and prepositions. Emphasis on reading for context and oral/written presentation of information. Continue emphasis on compositions in French. **Prerequisite:** FREN 201 or placement by exam.

Geography (GEOG)

GEOG 201. World Regional Geography I, 3 hours, Offered periodically

A regional study of the economically developed regions of the earth including Europe, Russia and the former Soviet Republics, North America, Japan, and Australia.

GEOG 202. World Regional Geography II, 3 hours, Offered periodically

A regional study of the underdeveloped regions of the earth including Middle America, South America, North Africa/Southwest Asia, Sub-Saharan Africa, South and Southeast Asia, the Chinese World, and the Pacific Realm.

Geology (GEOL)

GEOL 101. Introduction to Physical Geology, 3 hours, Fall, Spring

Basic earth-space relationships, gross features of the earth's surface, earth minerals, external and internal earth processes. Three class periods and one two-hour lab a week and one audiovisual or computer/tutorial period.

German (GER)

GER 101. Elementary German I, 3 hours, Fall

Introduction to the German sound system and correlation to written symbols. Development of basic survival vocabulary such as greetings, numbers, family, dates, telling time, answering simple questions, and obtaining simple information. Introduction to basic grammatical structures in the context of learning how to describe daily routines, preferences, and things close to students' lives. **Prerequisite:** Placement Exam. *Nominal fee.*

GER 102. Elementary German II, 3 hours, Spring

Continuation of basic skill development in listening, speaking, writing, and reading. Extension of basic vocabulary relating to daily routines, chores, plans, and preferences. Study of grammatical structures for speaking about past actions and events, and the future. **Prerequisite:** GER 101 or placement by exam. *Nominal fee.*

GER 201. Intermediate German I, 3 hours, Fall

Development of communicative proficiency in everyday situations and reading and writing skills. Review and extension of related vocabulary and grammatical structures. **Prerequisite:** GER 102 or placement by exam. *Nominal fee.*

GER 202. Intermediate German II, 3 hours, Spring

Continuation of the development in communicative skills, and emphasis on oral interaction and the acquisition of conversational strategies. Enrichment in related vocabulary and advanced grammar topics. **Prerequisite:** GER 201 or placement by exam. *Nominal fee.*

GER 301. Advanced Skills, I, 3 hours, Offered as needed

Grammar review, composition, and conversation. Required of all minors. This course is a prerequisite for all 300-level and 400-level German courses. **Prerequisite:** GER 202 or placement by exam. *Nominal fee.*

GER 302. Advanced Skills, II, 3 hours, Offered as needed

Development of reading skills through selected literary and expository texts with continued emphasis on conversation and composition skills. **Prerequisite: GER 301. Nominal fee.**

GER 309. Foreign Study/Travel Experience, 1-4 hours, Offered as needed

Cultural and linguistic enrichment through travel/study/missions immersion programs that do not offer credit in themselves. **This course must be approved and a syllabus prepared before the experience.** This course counts toward majors and minors but not toward liberal arts core requirements. Taught in German. S/F grading. **Prerequisites: GER 301 and 302. Nominal fee.**

GER 320. Junior Seminar in German, 3 hours, Offered as needed

Possible topics include: Readings in relevant issues such as "Germany as a Multi-cultural Society", the German short story, the Contemporary German Film, Cultural History of Germany, Production of a One-Act Play. **Prerequisites: German 301 and 302.** May be repeated with different topics. *Nominal fee.*

GER 400. Teaching Assistantship, 1-3 hours, Offered as needed

Includes classroom experience and work in comparative methodologies. Designed for the student considering a language teaching career. Not to be confused with EDUC 434. Basic credit 1 hour. Up to 3 hours through special arrangement. May not be repeated beyond 3 total hours. By departmental invitation. Does not count toward major or minor. *Nominal fee.*

GER 415. International Cinema, 3 hours, Offered periodically

Study of film outside the United States, often focusing on movies from a single country, for example, Argentina, Japan, Australia, or Ireland. Course may be repeated with a change of content. Same as FILM 415.

Koine Greek (GRK)

GRK 201. Elementary Greek I, 3 hours, Fall

Study of the basic grammar of the Greek New Testament from the alphabet to deponent verbs.

GRK 202. Elementary Greek II, 3 hours, Spring

Study of the basic grammar of the Greek New Testament from the future tense to the participle. **Prerequisite: GRK 201.**

GRK 300. Teaching Assistantship, 1-3 hours, Fall, Spring

Advanced students assist with instruction. By departmental invitation. Counts toward major or minor.

GRK 301. Intermediate Greek I, 3 hours, Fall

Intermediate course consisting of translation and grammatical study of selected sections of the New Testament. **Prerequisites: GRK 201 and 202.**

GRK 302. Intermediate Greek II, 3 hours, Spring

Intermediate course consisting of translation and grammatical study of selected sections of the New Testament. **Prerequisites: GRK 201 and 202.**

GRK 401. Advanced Greek I, 3 hours, Fall

Advanced course consisting of translation and grammatical study of Paul's letter to the Philippians. **Prerequisites: GRK 301 and 302.**

GRK 402. Advanced Greek II, 3 hours, Spring

Advanced course consisting of readings in syntax and textual transmission supplemented with translation of selected passages from the Greek New Testament, LXX, and Classical Greek. **Prerequisites: GRK 301 and 302.**

Health (HLTH)

HLTH 201. Substance Use and Abuse, 3 hours, Offered periodically

Overview of prevention, treatment and cure of chemical excesses.

HLTH 202. Wellness: a Lifetime Objective, 3 hours, Fall, Spring, Summer periodically

Study of the importance of health and well-being throughout life.

HLTH 203. First Aid and Safety Education, 3 hours, Fall, Spring, Summer periodically

The "how to" of responding to emergency situations. Preventive measures, sport first aid and wilderness first aid will also be covered. American Red Cross Certification may be obtained.

HLTH 205. Peer Health Educators, 1 hour, Fall, Spring

Preparation and presentation of peer education programs related to health and wellness issues. Same as NURS 205. S/F grading. **Prerequisite: instructor's consent.**

HLTH 209. Wellness for the 21st Century, 2 hours, Spring

Trends and issues in wellness. Students will engage in service, research or teaching project and develop a self-wellness plan. Same as NURS 209.

Health Care Administration (MGT)**MGT 415. Health Care Facility Management, 3 hours, Offered as needed**

A study of management tools, vocabulary, and techniques applicable to the administration of a health care facility. Included is a study of the appropriate organization and management approaches as well as a review of suggested mechanisms for planning, organizing, directing, and controlling a health care facility. A review of licensing and insurance requirements for a health care facility as well as successful human/public relation skills will be included. **Prerequisite: junior standing or instructor's consent.**

MGT 467. Health Care Administration Internship, 3-6 hours, Summer

A tailored program of management experience in a selected health care facility. The program will include a minimum of 50 on-site hours for every one hour of course credit. S/F grading. **Prerequisites: MGT 415, junior standing, instructor's consent.**

Hebrew (HEB)**HEB 201. Elementary Biblical Hebrew I, 3 hours, Fall**

Introduction to basic Hebrew grammar and Jewish culture of the ancient world.

HEB 202. Elementary Biblical Hebrew II, 3 hours, Spring

Advanced Hebrew grammar and overview of interpretive methods of Hebrew writings.

HEB 300. Teaching Assistantship, 1-3 hours, Fall, Spring

Advanced students assist with instruction. By departmental invitation. Counts toward major or minor.

HEB 301. Intermediate Biblical Hebrew I, 3 hours, Fall

Intermediate course focusing upon translation and interpretation of the Hebrew Bible. **Prerequisites: HEB 201 and 202.**

HEB 302. Intermediate Biblical Hebrew II, 3 hours, Spring

Intermediate course focusing upon translation and interpretation of the Hebrew Bible. **Prerequisite: HEB 301.**

HEB 320. Special Topics, 1-3 hours, As needed

Introduction to a Northwest Semitic language: Akkadian, Aramaic, or Ugaritic. Course may be repeated with a change of content. **Prerequisite: HEB 301.**

HEB 401. Advanced Biblical Hebrew I, 1-3 hours, Fall

Advanced study of the Hebrew Bible including the world of the Masoretic notes and traditions. **Prerequisite: HEB 302.**

HEB 402. Advanced Biblical Hebrew II, 1-3 hours, Spring

Advanced study of the Hebrew Bible focusing upon the textual apparatus of the Hebrew texts. **Prerequisite: HEB 401.**

History (HIST)**HIST 100. Military History of the United States, 3 hours, Spring**

From 1776 to the present. Freshmen and sophomores only. Juniors with permission of instructor. Same as MILS 100.

HIST 133. World History I, 3 hours, Fall

Survey of the modern world in its political, social, and economic framework, 1500-1850.

HIST 134. World History II, 3 hours, Spring

Survey of the modern world in its political, social, and economic framework, 1850 to the contemporary age.

HIST 135. Early Civilizations, 3 hours, Fall every three years

Survey of pre-1500 world civilizations.

HIST 201. United States History I, 3 hours, Fall, Spring, Summer

Survey of the national development of the United States to 1877.

HIST 202. United States History II, 3 hours, Fall, Spring, Summer

Survey of the national development of the United States since 1877.

HIST 240. Special Topics: Environmental Writers, 1 hour, Spring

Reading and discussion of one writer whose writings on issues relating to the environment are considered classics or pivotal in the history of environmentalism. May be repeated with different topics.

HIST 242. Readings in Feminist Writers, 1-3 hours, Fall even years

Introduction to the writings of major feminist authors from around the world and across the centuries. Included will be authors of fiction as well as non-fiction; poets as well as essayists; sociologists and historians. Can be repeated for credit when topic changes.

HIST 315. The Great Depression, 3 hours, Offered periodically

To examine the background, onset, and course of the Great Depression and the national effort to cope with and resolve it.

HIST 320. Special Topics in History, 1-3 hours, Offered periodically

An examination of a specific area of study in the discipline. Can be repeated for credit when topic changes.

HIST 321. American Political Thought, 3 hours, Spring every 2-3 years

Survey from Puritans to the present. Same as PSC 321.

HIST 323. Global Feminisms: Women in the Modern World, 3 hours, Fall odd years

Explores the history of women in the 20th/21st century from a global and thematic perspective by looking at middle class feminism and working class unionism; women in political revolutions and women in peace movements; women and the development of human rights; the development of women's history; and women and the politics of globalization, development, and environmental politics. Same as PSC 323.

HIST 332-336. Series: Studies in European Development, 3 hours each course

HIST 332. Ancient Greece and Rome, Once every 4 years

Covering the period of ca. 2500 B.C. - 500 A.D., this study begins with the Minoan-Mycenaean background and proceeds to the collapse and transformation of the Roman Empire.

HIST 333. Europe in the Middle Ages, Fall odd years

Study covers the period of approximately 400-1500 and examines the roots of modern Western Civilization while stressing that the so-called Middle Ages created a culture of considerable brilliance and achievements.

HIST 334. Europe in Transition, 1350-1789, Spring even years

Study covers the period from the waning of the Middle Ages to the outbreak of the French Revolution, examining such topics as the Renaissance and Reformation, the scientific revolution, the emergence of representative government in England and of absolutism in France, and the Enlightenment.

HIST 335. Europe in Age of Revolution: Reform and Unification, Fall even years

Study moves from the background and eruption of the French Revolution to the dawn of the Twentieth Century, examining such events as revolution, nationalism, liberalism, socialism, and other forces and ideologies which dramatically transformed Europe and created many of the conditions which persist to the present.

HIST 336. Emergence of Modern Europe, 1901 to the present, Spring odd years

Study of a Twentieth Century Europe dominated by events such as World War I, the Great Depression, World War II, and the post-1945 East-West conflict which has helped produce today's world.

HIST 340. Literature and Revolution, 3 hours, Once every 4 years

Explores the major social and political revolutions of the 20th century in Russia, China, Vietnam, South Africa, Iran, and Nicaragua by using novels, short stories, poetry, memoirs and film from these revolutions. Non-majors welcome.

HIST 341-348. Series: Asian Studies, 3 hours each course

HIST 341. The Confucian Tradition, Fall every 4 years

An examination of the spread of Confucian culture from China into Korea, Vietnam, and Japan.

HIST 343. India in the Historical Perspective, Spring every 4 years

Survey from ancient times to present emphasizing the development of religious and political traditions in the pre-modern era and then British Colonialism, the struggle for independence, and India's path to modernization.

HIST 345. Southeast Asia, Once every 4 years

Development of traditional society in the nations of Southeast Asia, their experiences with imperialism, and post-World War II developments.

HIST 347. Japan Past and Present, Once every 3 years

A survey of the ideas and events which have made Japan a distinctive and successful society from its classical beginnings through the Tokugawa shogunate and into the modern era.

HIST 348. China in Revolution, Once every 3 years

A survey of China since the Opium War (1839) emphasizing the themes of imperialism, nationalism, modernization, the rise of communism, and the post-Mao reforms.

HIST 349. A Cultural and Intellectual History of China, 3 hours, Summer, other times possible

Students immerse themselves in the rich visual and textual sources that have defined Chinese culture for 3000 years. Topics include Shang bronzes and jades; Tang Dynasty poetry; Buddhist temple art; Ming dynasty short stories; Taoist landscape painting, poetry, and philosophy; the world of the Qing Confucian literati; Maoist propaganda and the arts; Chinese protest films; and contemporary experimental art. Non-majors welcome.

HIST 350-353. Series: Studies of Warfare, 3 hours each course**HIST 350. Warfare in Western Society from the Renaissance to the Present. Alternate years**

Study of the institution of warfare as it has developed over the past five hundred years, including its connection with and effects upon technical, social, political and economic change.

HIST 351. World War I, Once every 3-4 years

Study of the background, course, settlement and consequences of the Great War.

HIST 352. World War II, Summer

Study of the war's origins, events and consequences.

HIST 353. The Vietnam War, Spring even years

Study of this protracted conflict from the formation of French Indochina through the collapse of the American sponsored South Vietnamese government in 1975. Emphasis on the American role, its impact at home and abroad as well as upon Vietnam itself.

HIST 357. History of Christianity, 3 hours

Survey of the development of Christianity since the first century. Same as REL 339.

HIST 365. Washington Semester, 3-9 hours, Offered as needed

Internship in the nation's capitol. Students learn about the workings of federal government under supervision of a US congressman out of whose office they work. Approvals from instructor, committee and Washington office required during semester prior to participation. **Prerequisite: senior status.**

HIST 400. Teaching Assistantship in History, 1-3 hours, Fall, Spring

Teaching assistantship for majors by departmental invitation.

HIST 401-407. Studies in American Development, 3 hours each course**HIST 401. American Colonial and Revolutionary History 1492-1788, Offered periodically**

Study of political, social, economic, religious aspects of American development through the proposing of the Constitution.

HIST 402. The Early National Period and Jacksonian Era, 1789-1848, Offered periodically

Study of the development of the U.S. from the establishment of the Constitution through the election of 1848.

HIST 403. The Civil War and Reconstruction, 1848-1877, Once every 3-4 years

Study of the background and events surrounding that tragic conflict and of the flawed attempt in its aftermath to create a society willing to accept the concept of racial equality.

HIST 404. The Emergence of Modern America, 1877-1920, Offered periodically

Study of the so-called Gilded Age, the Progressive Era, and the role of the U.S. in relation to World War I and its settlement.

HIST 405. The America of Prosperity, Depression, and War, 1920-1945, Offered periodically

Study of the "Roaring Twenties," the Great Depression, and the nation's involvement in World War II.

HIST 406. America in the Cold War Era, 1945-1963, Once every 3-4 years

Study of that period in which the so-called Cold War began in earnest and then reached its height while Americans domestically were caught in a struggle between forces of liberalism and conservatism which swayed back and forth throughout the era.

HIST 407. America in Transition, 1963-Present, Once every 3-4 years

Study places emphasis upon selected major events of the era, such as the emergence and subsequent rejection of the Great Society, the civil rights and feminist movements, the end of the Cold War, and the increasingly strong turn of the American electorate to conservatism.

HIST 408. The Second American Revolution, 3 hours, Offered periodically

Background, development, course, and demise of the American civil rights movement of the latter half of the 20th century.

HIST 409. The United States in World Affairs, 3 hours, Fall even years, other times possible

Selected studies from various periods of the United States history designed to illustrate how the nation's constitutional structure and domestic concerns have impacted its relations with other countries and peoples.

HIST 413. American Diplomatic History, 3 hours, Fall odd years, other times possible

Study of the aims, achievements and failures in America's relations with the rest of the world, with emphasis on the post-1914 period.

HIST 414. Key American Presidential Elections, 3 hours

Analysis of impact on political life and behavior. Same as PSC 404.

HIST 417. Development of the Modern Presidency, 3 hours

Analysis of the growth of US presidential power. Historical roots and practices of 20th century presidents. Same as PSC 407.

HIST 420. Formation and Adoption of the Federal Constitution, 3 hours, Offered periodically

Examination of the context and process of the formation and adoption of the United States Constitution. Same as PSC 420.

HIST 421. Amending the United States Constitution, 3 hours, Offered periodically

Process, history, politics, and ramifications of amending the U. S. Constitution. Same as PSC 421.

HIST 427. Film in the Disciplines, 3 hours, Offered periodically

Study of the role of film in traditional disciplines, with emphasis on how those disciplines are viewed in film, as well as the methodologies and issues of the disciplines as reflected in movies. Course may be repeated with change of content. Same as FILM 427.

HIST 431. History of Russia I, 3 hours, Offered periodically

Formation of the first Russian state in the 9th century A.D. to 1855.

HIST 432. History of Russia II, 3 hours, Offered periodically

Russia, the Soviet Union, Russia, 1855 to recent years.

HIST 434. The Reformation: Protestant and Catholic, 3 hours, Once every 3-4 years

Background, course, effects of the reformation. Same as REL 438.

HIST 437. British History I, 3 hours, Fall odd years

Survey, covering the period 1485-1714.

HIST 438. British History II, 3 hours, Spring even years

Survey since 1714.

HIST 440. History of Ireland, 3 hours, Spring every 4 years

A study of the history of Ireland from the earliest times to the present. Special emphasis is placed on the centuries-long conflict with England and the growth of Irish nationalism.

HIST 442. History of Scotland, 3 hours, Spring every 4 years

Survey covering the period from the Romans up to the modern period. Emphasis on the struggle to evolve a stable monarchy and remain independent from England.

HIST 447. History and Film, 3 hours, Offered periodically

Survey of the motion pictures during the Great Depression with emphasis on their social significance.

HIST 450. Research and Writing Essentials for Historians, 2-3 hours, Fall, Summer

Students learn the art and craft of writing history by doing substantive research in primary sources and producing a scholarly paper. Emphasis on understanding historical interpretation and working in archives or collecting historical materials for an original work of scholarship. Students choose their own topic.

HIST 451. Senior Capstone in History, 2 hours, Fall

Students will explore a variety of topics relating to a career in history; options for different types of career, professional writing in history, preparing papers for publication, and oral and visual presentation techniques. Required of all history majors.

HIST 470W. Women, War and Peace: Women in and Between the Wars, 1914-1950, 3 hours, Once every 2 years, also Summer (online)
This course allows students to study and reflect on the poetry, fiction, essays, journalism, photography and art of women from around the world who wrote, spoke and organized around the most pressing events and issues of this era. Non-majors welcome.

Honors Program

ENG 101. Writing and Literary Studies I, 3 hours, Fall

Class section that provides enriched Writing and Literary Studies I content for honors students.

FA 301. Form and Expression in the Contemporary Arts, 3 hours, Fall even years

An exploration of theater, film, visual arts, architecture, music and poetry, and their interrelationship with one another and contemporary culture.

HON 001, 002, 003, 004. Honors Program, 0 credit, Fall, Spring

Academic, artistic, and social enrichment activities for honors students. Required of all honors students each semester. Honor scholarships awarded to junior- and senior-level students are contingent upon enrollment in the appropriate level of the class.

HON 319. Research and Writing, 1 hour, Spring

Preliminary to the honors thesis. Prospectus is prepared.

HON 499. Independent Honors Thesis, 1-6 hours

Supervised experience or research in a student's major field(s). Requires departmental and Honors Council approval.

HUM 101-102. Humanity and the Cosmos I, II, 3 hours each semester, Fall (101), Spring (102)

Freshman honors course. A study of the relationship between people and the universe.

PSC 202. Faith and Freedom of the Individual, 3 hours, Spring

Sophomore honors course. Study of political and religious thought and issues and their relationships to current concerns.

PSY/SOC 250. Society and the Individual. 3 hours, Fall

Introduction to the basic principles of sociology and psychology and how they relate to each other and the everyday world.

PSY 318. Ecological Psychology, 3 hours, Fall even years

A holistic study of human/nature relationships with special emphasis on sustainable living and eco-justice issues in the Appalachian bioregion. Laboratory.

REL 101. Introduction to the Old Testament--Honors, 3 hours, Fall

Class section that provides enriched Old Testament content for honors students.

REL 102. Introduction to the New Testament--Honors, 3 hours, Spring

Class section that provides enriched New Testament content for honors students.

Interdisciplinary Courses (ID)

ID 102. Introduction to Bonner Service, 2 hours

Awareness of the six common commitments of the Bonner Scholars program: social justice, community building, diversity, international perspective, civic engagement, and spiritual exploration and the academic basis for these commitments. Orientation to the administrative systems and policies of the Bonner Program.

ID 120. Academic Strategies Course, 2 hours, Fall, Spring

This course includes methods and strategies to be successful in college. Topics include note-taking, textbook reading strategies, time management, effective use of resources, test-taking tips, stress management, academic goal-setting, making the connection between your major and possible careers, acclimation to university life, academic integrity, and effective writing and research skills.

ID 121. The Academic Success Seminar, 1 hour, Fall, Spring

Designed for students identified by the Academic Standards Committee as needing help with study strategies, time management, and self-motivation. Students who are required to take this course may not withdraw from the class. **Prerequisite: Instructor's consent.**

ID 201. Major and Career Exploration, 1 hour, Fall

Guidance in choosing a major (1) examining personal and occupational personality, values, skills, and interests through self-assessment tools and (2) developing decision-making and information-gathering methods related to major and/or career investigation. This course is only for freshmen and sophomores deciding on a major. **Prerequisite: Instructor's consent.**

ID 208. Career Planning in the Health Professions, 1 hour, Fall

Purpose is to introduce and to plan for careers in the health professions (excluding nursing and athletic training/sports medicine) as organized in the health pre-professional program at Carson-Newman College. Intended for students who have already chosen health professions as a career.

ID 212. Bonner Service I, 1 hour, Fall

An introduction to service that addresses human needs and problems by strengthening social infrastructure through community research and action, service learning, and civic engagement. Involves readings and a fieldtrip. Same as PSY 212. S/F grading. \$25 fee.

ID 217. Introduction to Appalachian Studies, 1 hour, Offered annually

A study of the Appalachian bioregion in interdisciplinary perspective to include its history, culture, social ecology, literature, and art, with a focus on the events sponsored by the Appalachian Center.

ID 220. Study Abroad Orientation, 1 hour, Offered as needed

Students complete assigned readings, view videos, and complete assignments in order to better understand the process of cross-cultural learning and adjustment. Required of all students applying to the study abroad exchange program. **Prerequisite: Instructor's consent.**

ID 305. Flight Instruction I, 3 hours, Offered periodically

Credit will be issued for flight instruction through an approved Federal Aviation Administration flight training center. Instruction includes twenty hours flying time which takes student through solo and dual cross-country in preparation for taking the required FAA written test. Credit will be issued upon student request following documentation of satisfactory completion of course and payment of a \$10.00 per hour recording fee to the treasurer's office.

ID 306. Flight Instruction II, 3 hours, Offered periodically

Credit will be issued for flight instruction through an approved Federal Aviation Administration flight training center. Instruction includes twenty hours flying time which takes student through completion of solo cross country and other requirements in preparation for the private pilot's flight test. Credit will be issued upon student request following documentation of satisfactory completion of course and payment of a \$10.00 per hour recording fee to the treasurer's office.

ID 312. Bonner Service II, 2 hours, Spring

Further explorations in community action, service learning, and civic engagement (see ID/PSY 212). Students establish or improve a nonprofit or volunteer organization or campus group, or design and carry out an innovative campus or community special project that addresses a human need or problem by creating social change for the common good. Involves participation in a regional social entrepreneurship conference. Same as PSY 312. Prerequisite: ID/PSY 212. \$25 fee.

ID 318. Career and Personal Development, 2 hours, Fall, Spring

Designed for seniors. In-depth look at the job search, including resume and cover letter writing, interviewing, and life as a new professional. **Prerequisites: Instructor's consent; junior/senior standing.**

ID 320. Study Abroad Exchange Program, 12-17 hours, Offered as needed

Students study abroad for one semester (fall or spring) at one of the college's designated exchange universities in Hong Kong, Japan, or Morocco. Applications for the exchange program are available at the Center for Global Education.

ID 417. British Life and Culture I, 3 hours, Fall, Spring, Summer

Seminar on British civilization, including its history, arts, politics, religion, and culture. Guest lecturers and field trips included. Required of all students enrolled in module one of the London program.

Interior Design (INTD)

INTD 246. Studio I - Architectural Drafting, 3 hours, Fall even years

Fundamentals of architectural drawing and light construction reflecting current trends in drafting equipment, lettering, drawing techniques, construction materials and details, architectural delineation and writing specifications. Laboratory. *Nominal fee.*

INTD 247. Fundamentals of Interior Design, 3 hours, Fall

A studio course focusing on the artistic and design factors in planning, selection and arrangement of furnishings to meet the needs of contemporary families in the interior environment. Laboratory. **Prerequisite: FMD 141. Nominal fee.**

INTD 252. Studio II - Fundamentals of Space Planning, 3 hours, Spring odd years

An introduction and comprehensive study of spatial development for residential and non-residential spaces. The application of programming, theories of proxemics, anthropometrics, ergonomics, Americans with Disabilities Act (ADA) requirements and universal design as factors that impact the design process are emphasized. Laboratory. **Prerequisite: INTD 246. Nominal fee.**

INTD 254. Material and Finishes, 3 hours, Spring odd years

Fundamental uses and appropriateness of materials for interior applications including lighting, color theory, and textiles. Emphasis on selection, cost, installation, and code/standards requirements. Laboratory. *Nominal fee.*

INTD 348. Studio III - Kitchen and Bath Design, 3 hours, Fall odd years

Advanced application of the National Kitchen and Bath Association (NKBA) standards for kitchen and bath design. Emphasis placed upon kitchen and bath mechanical systems, equipment and materials, planning standards and safety criteria and drawing and presentation standards. Laboratory. **Prerequisites:** INTD 252 and 354. *Nominal fee.*

INTD 350. Studio IV - Residential Design, 3 hours, Spring even years

Problem solving in microenvironments using the design process. Emphasis on communication and presentation skills pertaining to residential design. Laboratory. **Prerequisite:** INTD 348. *Nominal fee.*

INTD 354. AutoCAD, 3 hours, Fall odd years

Basic computer-aided design and drafting skills for interior design using AutoCAD and other software applications. Emphasis placed on computer-aided drafting procedures and methods used in architectural drafting and design to generate and manage professional drawings. Laboratory. **Prerequisite:** INTD 246. *Nominal fee.*

INTD 445. History of Interiors I, 3 hours, Fall odd years

Survey of architecture, interiors, and furniture design from antiquity through 18th century. **Prerequisite:** ART 210.

INTD 450. Studio V - Commercial Design, 3 hours, Fall even years

Problem solving in macroenvironments using the design process. Emphasis on communication, materials and finishes, codes and presentation mediums pertaining to commercial design. Laboratory. **Prerequisite:** INTD 350. *Nominal fee.*

INTD 455. History of Interiors II, 3 hours, Spring even years

Survey of architecture, interiors, and furniture design from 19th century to present. **Prerequisite:** ART 210.

INTD 459. Business Procedures in Interior Design, 3 hours, Spring even years

Introduction to the business and profession of interior design including: establishing a new interior design business, business organization and management, finance, marketing and business development, project management, portfolio presentation, professional ethics and standards. **Prerequisites:** INTD 247, 254, and 348.

INTD 469. Internship in Interior Design, 3 hours, Fall, Spring, Summer

Supervised experience with interior design related business. **Prerequisites:** INTD 254 and 354, instructor's consent.

Liberal Arts (LA)

LA 101. Carson-Newman and the Liberal Arts, 2 hours, Fall, Spring limited

The purpose of a liberal arts education is to expand the students' minds and spirits by exposing them to civilization's fundamental achievements, questions, and debates. As a celebration of the liberal arts, each student at Carson-Newman is required to complete this seminar. The seminar explores the history of Christian liberal arts education and the history of such education at Carson-Newman by investigating the ideals celebrated on Carson-Newman's seal and throughout the College's history: Truth, Beauty, Goodness, Justice, and Courage. The course helps students refine skills that are essential for academic and career success and encourages students to be full and steady participants in the college experience. The goals of the seminar are as follows: to read critically, to listen actively, to reason well, to research effectively, to discuss ideas openly, and to express one's ideas with conviction and respect. *Students should successfully complete this course within the first 30 hours completed at C-N. Students with a four-year baccalaureate degree are not required to take the course. Cannot be taken for additional credit.*

Linguistics (LING)

LING 220. Introduction to Linguistics, 3 hours, Offered as needed

Students are introduced to the systematic study of human language from both a functional and generative perspective. Students will be introduced to the subfields of phonology, morphology, syntax, semantics and pragmatics and the basics of linguistic analysis.

LING 305. Syntax, 3 hours, Offered as needed

This course provides a general introduction to syntactic theory and to the methodology of constructing a theory of syntax. We will explore syntax from the perspective of Chomsky's principles and parameters approach to language, which seeks to find the universal core of human language, and the parameters within which languages can differ. **Prerequisite:** LING 220 highly recommended.

LING 310. Phonology, 3 hours, Offered as needed

This course provides a general introduction to phonological theory and analysis and to the methodology of constructing a theory of phonology. It focuses on crucial phonological concepts such as underlying and surface representations, phoneme and allophone, contrast, alternation, neutralization, distinctive features, and syllable. **Prerequisite:** LING 220 highly recommended.

LING 320. Topics in Linguistics, 3 hours, Offered as needed

Sample topics: phonetics, morphology, language and society in the USA, language variation and change, child language acquisition, second language acquisition. May be repeated with different topics/

LING 327. Translation Theory, 3 hours, Offered as needed

Translation is not the mathematical or simple transfer of words between two languages, but rather a construction. The goal of this course is to provide students with a foundation in the theory, practice, and ethics of translation. **Prerequisites: English 201 and GER, GRK, HEB, or SPAN 202 or higher.**

LING 415. Special Topics and Research in Linguistics, 3 hours, Offered as needed

Sample topics: Optimality-theory phonology, advanced aspects of phonological/syntactic theory, grammaticalization and language change, the structure of Appalachian English. May be repeated with different topics.

LING 420. Advanced Seminar in Linguistics, 3 hours, Offered as needed

In-depth study of a topics, issues, formalisms, or theoretical nuances related to linguistics.

LING 430. Language and the Brain/Psycholinguistics, 3 hours, Offered as needed

The basic objective of psycholinguistics is to understand how the human mind/brain supports the learning, comprehension, and production of language. This course provides a hands-on introduction to modern approaches in psycholinguistics. **Prerequisite: LING 220.**

LING 475. Capstone Project, 3 hours, Offered as needed

Management (MGT)

MGT 301. Essentials of Management and Leadership, 3 hours, Fall, Spring

An introduction to business management concepts and leadership. Innovative leadership will be embedded into topics throughout the course in areas of traits, behaviors, types of leadership, empowerment, communications, diversity, power, and influence.

MGT 302. Operations Management, 3 hours, Fall

The study and application of widely used quantitative models used in the decision making process such as linear programming, decision analysis, linear regression, plant layout, facility location and quality control. **Prerequisites: MATH 201 or instructor's consent.**

MGT 306. Organizational Behavior, 3 hours, Fall, Spring

Studies concepts, theories, and case studies concerning the behavior of people in modern business organizations. Analyzes the internal organization structure and managerial roles and functions, in the business and other goal-oriented institutions. Studies theory and design of organizational structure, impact of work flow, leadership styles, and control systems on human behavior. Same as PSY 306.

MGT 405. Human Resource Management, 3 hours, Fall

Problem solving. Role of people in organizations--a review of the process of recruitment, employee selection, training, performance appraisal, employee benefits, laws governing employer/employee relationships.

MGT 408. Strategic Management, 3 hours, Fall, Spring

A comprehensive interdisciplinary case study course which serves as the capstone course for all business majors. Students work in teams, from the viewpoint of consultants to top management, presenting and defending their analyses and recommendations. **Prerequisite: senior standing, fewer than 18 hours from graduation.**

MGT 410. Entrepreneurship, 3 hours, Fall

Principles and tools required to set up a new business venture. The topics include assessing new opportunities, locating sources of information, organization and legal considerations, securing of financing, preparation of a business plan, and management of the operation. **Prerequisites: junior standing, FIN 201, and MKT 300.**

Marketing (MKT)

MKT 300. Principles of Marketing, 3 hours, Fall, Spring

A study of the basic marketing concepts and functions in market-oriented organizations. This course will focus on issues such as understanding buyers and markets, selecting a target market, and decisions regarding the four P's of marketing: product, price, place, and promotion.

MKT 350. Customer Value Analysis, 3 hours, Fall

This course examines the nature and dynamics of customer markets and what influences product or service utilization and purchase decisions. Emphasis is placed on how business organizations conceptualize, gather, and analyze data needed by managers to learn about customers in markets. **Prerequisite: MKT 300.**

MKT 400. Marketing Management, 3 hours, Spring

The study of the Marketing Concept, environmental trends and the development of product, distribution, promotional, as well as pricing strategies. Students will make a major presentation on some current issue relating to marketing. **Prerequisite: MKT 300, junior/senior standing.**

MKT 407. Marketing Research Methods and Design, 3 hours, Fall

Methods and techniques for market analysis, business and economic forecasting, and analysis of consumer behavior and related problems of a mixed economy. **Prerequisites:** MATH 201, MKT 300.

MKT 442. Advertising and Sales Promotion, 3 hours, Offered periodically

A normative framework for managing the promotional mix of advertising, personal selling, public relations, and sales promotion. **Prerequisite:** MKT 300. Same as FMD 442.

Mathematics (MATH)

MATH 105. Basic Concepts I, 3 hours, Fall, Summer

Recommended for prospective elementary teachers. Properties of numeration systems, properties of whole numbers, integers, and rational numbers; topics from algebra, including solving equations and inequalities. **Prerequisite:** high school algebra II or ASE 034.

MATH 106. Basic Concepts II, 3 hours, Spring

Recommended for prospective elementary teachers. Real numbers; topics from algebra, probability, statistics, trigonometry, and geometry. **Prerequisite:** MATH 105.

MATH 120. Introduction to College Mathematics, 3 hours, Fall, Spring, Summer

For students who will not enroll in a college calculus course. A survey of some elementary functions and their applications, descriptive statistics, selections from consumer mathematics. **Prerequisites:** High school Algebra II or ASE 034.

MATH 125. Precalculus, 4 hours, Spring

For students planning to enroll in a college calculus course. A study of elementary functions - polynomial exponential, logarithmic, trigonometric, rational - their graphs, and applications. Note: A student who has previously received college credit for a calculus course will not receive credit for MATH 125. **Prerequisites:** High school Algebra II or ASE 034.

MATH 141. Applications of Calculus, 3 hours, Spring

The concepts of differentiation and integration, with emphasis on applications in the areas of life sciences and business. For non-majors only. **Prerequisites:** MATH 125 or equivalent. NOTE: A student who has previously received credit for Math 151 will not also receive credit for Math 141.

MATH 151. Calculus I, 3 hours, Fall

First year course in single-variable calculus, primarily intended for science, pre-engineering, and mathematics majors. Differential calculus with applications. **Prerequisite:** MATH 125 or equivalent. NOTE: A student who has previously received credit for Math 141 will not also receive credit for Math 151.

MATH 152. Calculus II, 3 hours, Spring

First year course in single-variable calculus, primarily intended for science, pre-engineering, and mathematics majors. Integral calculus with applications. **Prerequisite:** MATH 151 or instructor's consent.

MATH 201. Statistical Concepts and Methods, 3 hours, Fall, Spring, Summer

Basic statistical concepts including populations, samples, analysis and inference. One and two dimensional discrete and random variables. Applications of normal, t, chi square, F and binomial random variables. R statistical software. Same as PSY 203 and SOC 203. **Prerequisites:** Strong algebra background evidenced by math ACT 21 (math SAT 530) or MATH 106, 120, or 125.

MATH 207. Discrete Mathematics, 3 hours, Fall

Sets, relations on sets, logic, proofs, functions, permutations, combinations, and matrix algebra. **Prerequisite:** instructor's consent.

MATH 211. Calculus III, 3 hours, Fall

Infinite series, analytic geometry, vectors, and vector-valued functions. **Prerequisite:** MATH 152.

MATH 212. Introduction to Abstract Mathematics, 3 hours, Spring

Designed to help bridge the gap from predominantly problem solving courses to those courses that have a significant amount of abstract content. Emphasis to instill mathematical maturity through creating, writing and comprehending proofs. **Prerequisite:** MATH 207.

MATH 213. Calculus IV, 3 hours, Spring

Calculus of functions of two or more variables. Includes solid analytic geometry, partial differentiation, multiple integration and applications. **Prerequisite:** MATH 211.

MATH 303. Differential Equations, 3 hours, Offered periodically

First order, first degree equations, linear differential equations, applications to geometry, physics, biology, chemistry and the behavioral sciences. **Prerequisite:** MATH 152 or instructor's consent.

152 Mathematics - Military Science Courses

MATH 304. Mathematical Modeling, 3 hours, Offered periodically

Construction and analysis of mathematical models used in science, business and industry. **Prerequisites:** MATH 152 and 207, CSC 107.

MATH 305. History and Philosophy of Mathematics, 3 hours, Offered periodically

Contributions made to the field of mathematics within their historical context; the pre-Greek eras, the Greek period, the Arab empire, modern European, and later, American. **Prerequisite:** MATH 152.

MATH 306. Modern Geometries, 3 hours, Fall

Foundations of geometry. An axiomatic approach to Euclidean geometry, with a brief introduction to non-Euclidean geometries. **Prerequisite:** MATH 212.

MATH 312. Junior Seminar in Mathematics, 2 hours, Spring

Fundamental ideas of mathematics and their connections within their historical contexts. **Prerequisite:** MATH 212 and at least one other MATH course at the junior/senior level.

MATH 403. Linear Algebra, 3 hours, Spring

Fundamentals of linear algebra: matrices, systems of linear equations, vector spaces, linear transformations, eigenvalues, applications. **Prerequisites:** MATH 152 and 207.

MATH 404. Abstract Algebra, 3 hours, Fall

The structure of algebra: elements of number theory, groups, rings, integral domains and fields. **Prerequisite:** MATH 212.

MATH 405. Advanced Calculus, 3 hours, Offered periodically

The theory of sequences, series, differentiation, and Riemann integration of functions of one or more variables. **Prerequisites:** MATH 211 and 212.

MATH 406. Mathematical Statistics, 3 hours, Offered periodically

Discrete and continuous random variables (including binomial, Poisson and normal), mathematical expectation, central limit theorem, derivation of standard statistical distributions (including t, F and chi square), point and interval estimates, statistical hypotheses. **Prerequisite:** MATH 211.

MATH 408. Numerical Methods, 3 hours, Offered periodically

Solving numerical problems via computer. Number systems and errors, function evaluation and approximation, root finding, interpolation, quadrature, numerical linear algebra, systems of equations, algorithm complexity. **Prerequisites:** CSC 107, MATH 207, 211, and 303 or 403.

MATH 409. Complex Analysis, 3 hours, Offered periodically

The theory of functions of a complex variable, including analytic functions, contour integrals, and applications. **Prerequisite:** MATH 211.

MATH 412. Senior Seminar in Mathematics, 2 hours, Fall

A capstone course in mathematics that is a continuation of MATH 312. **Prerequisite:** MATH 312.

MATH 450. Senior Project, 1 hour, Fall, Spring

An independent investigation of some topic in the field that is of interest to the student and his/her career objectives. The student will be directed by a member of the faculty to research appropriate sources, write a paper, and make an oral presentation of the findings.

Military Science (MILS)

MILS 100. Military History of the US, 3 hours, Spring

Introduction to critical thinking, grounded in military history, as the basis for decision making. This course will examine military history of the U.S. from 1776 to the present. It will seek to develop students' awareness of the relationship of the military establishment to society, particularly in the United States. It will examine the evolution of war and the progression of military professionalism, giving the student an awareness of the history and purpose of joint operations, role of history in understanding the Army profession, and encourage the viewing of American military history from both joint and combined perspectives. Same as HIST 100.

MILS 101. Introduction to ROTC and Military Leadership I, 1 hour, Fall

Introduction to the personal challenges and competencies critical for effective leadership and the structure of the ROTC basic courses. Personal development of life skills such as cultural understanding, goal setting, time management, mental/physical resiliency, and stress management related to leadership, officership, and the Army profession. Focus on developing basic knowledge and comprehension of Army leadership dimensions, attributes and core leader competencies while gaining an understanding of the ROTC program, its purpose in the Army, and its advantages for the student. *\$10 fee.*

MILS 102. Introduction to ROTC and Military Leadership II, 1 hour, Spring

Students explore the dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Overview the fundamentals of the military such as setting direction, problem solving, presenting briefings, providing feedback and using effective writing skills. *\$10 fee.*

MILS 103. Physical Conditioning I, 1 hour, Fall

Introduction to physical fitness. Set and meet a physical fitness goal. Learn the principles of fitness and apply these principles to pass the Army Physical Fitness Test. Same as PE 013.

MILS 104. Physical Conditioning II, 1 hour, Spring

Progressive conditioning program. Army Physical Fitness Test is given as midterm and final. Same as PE 013.

MILS 201. Military Leadership and Management I, 2 hours, Fall

Surveys the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of Army leadership framework. Develop military leadership competencies through the understanding of the military rank structure, Army values and basic military skills such as land navigation. *\$10 fee.*

MILS 202. Military Leadership and Management II, 2 hours, Spring

Continued development of knowledge of leadership attributes and core leader competencies, focusing on small unit tactic. Aspects of personal motivation and team building are practiced by planning, executing, and assessing team exercises like squad tactics and land navigation. *\$10 fee.*

MILS 203. Airborne Operations, 2 hours, Summer

Students who successfully complete this three week course at Fort Benning, Georgia are awarded the coveted Army Parachutist Badge. The course has three phases: Ground Week, Tower Week, and Jump Week. Students make five static line qualification parachute jumps during the third week from military cargo aircraft. The course is very physically demanding. To qualify, students must pass an Airborne Physical Readiness Test.

Prerequisite: U.S. Army ROTC Cadet status or permission of the Professor of Military Science.

MILS 204. Airmobile Operations, 2 hours, Summer

Students who successfully complete this two week course at an Army post are awarded the prestigious Air Assault Badge. The course includes active participation in aircraft safety and familiarization in pathfinder techniques, airmobile insertions, basic rappelling and knots, advanced rappelling, helicopter rappelling, medical evacuation procedures and rigging/sling loading of rotary wing aircraft. Offered annually during the summer. **Prerequisite:** U.S. Army ROTC Cadet status or permission of the Professor of Military Science.

MILS 300. Leader's Training Course, 6 hours, Summer

Four weeks of military training at Fort Knox, KY, to qualify for the ROTC Advanced course. Equal to first two years of the on-campus program. The Army pays housing, meals, travel expenses and a stipend (approximately \$700) for the period. ROTC scholarships available.

MILS 301. Advanced Leadership and Management I, 3 hours, Fall

In-depth study of the management of personnel and programs, emphasizing military operations, terrain analysis, intelligence and security. Survey of contemporary leadership issues, great leaders of history, and combat leadership. Weekly laboratory for practical application of leadership techniques. **Prerequisite:** MILS 202 or 300 or consent of Professor of Military Science. *\$10 fee.*

MILS 302. Advanced Leadership and Management II, 3 hours, Spring

Advanced principles of influencing human behavior applying the principles of planning, organizing, staffing, directing and controlling in organizations. Includes detailed knowledge of small unit tactics, land navigation and communications. **Prerequisite:** MILS 202 or 300 or consent of Professor of Military Science. *\$10 fee.*

MILS 303. Leader Development and Assessment Course, 4 hours, Summer

Five weeks of practical leadership application training, performed primarily in a field environment, at an Army installation between the junior and senior years. Nurses may attend a three week clinical phase in an Army hospital. The Army pays housing, meals, travel expenses and a stipend (approximately \$700) for the period. **Prerequisites:** MILS 302 and consent of Professor of Military Science.

MILS 304. Cadet Troop Leader Training, 3 hours, Summer

Assignment off-campus in an officer role with an active Army unit for three to five weeks in the summer after completion of the Leadership Development and Assessment Course. **Prerequisites:** MILS 302 and 303 and consent of Professor of Military Science.

MILS 305. Nurse Summer Training Program (NSTP), 2 hours, Summer

A three-week clinical experience for selected nurse cadets providing opportunities to develop and practice leadership skills in a clinical environment. Incorporates use of military, leadership, clinical nursing, administrative, and interpersonal skills. Will meet the 2 semester hour elective for nursing majors. Same as NURS 411. **Prerequisites:** NURS 303 or permission of the Professor of Military Science.

MILS 306. Military Science Practicum I, 1 hour, Fall, Spring

Participation on the intercollegiate Ranger Competition Team, Carson-Newman Color Guard, Marksmanship Competition Team or other selected official Military Science regular, on-going, supervised activities. **Prerequisite:** Enrollment in the ROTC Program and permission of the Professor of Military Science.

MILS 307. Military Science Practicum II, 1 hour, Fall, Spring

Additional hands-on experience in military enrichment activities which contribute to the development of leadership and management such as the intercollegiate Ranger Competition Team, Carson-Newman Color Guard, Marksmanship Competition Team, Eagle Battalion Drill Team, and other

selected official Military Science regular, on-going, supervised developmental activities. **Prerequisites:** Enrollment in the ROTC Program and permission of the Professor of Military Science.

MILS 401. Seminar in Leadership and Management I, 3 hours, Fall

Case study/discussion of topics in individual leadership and organizational management. Emphasis on functions and role of an officer in charge of a military unit. Operations, training, administration and logistical support of organizations are covered in-depth, with the student practicing leadership and management skills in a designated cadet battalion leadership position. **Prerequisites:** MILS 302 and 303 and consent of Professor of Military Science. \$10 fee.

MILS 402. Seminar in Leadership and Management II, 3 hours, Spring

Expose cadets to missions and tasks most associated with a Second Lieutenant, reinforce individual competencies and afford officer leadership experiences. To prepare cadets for the transition to Second Lieutenant. \$10 fee.

Music (MUS)

Applied Music, Fall, Spring, Summer

Literature, technique, and for voice students, diction, are taught through private lessons, recitals, and examinations. All voice majors and vocal emphasis students are required to sing in an ensemble each semester. Brass, woodwind, and percussion emphasis students are required to play in the band each semester. Courses with numbers which begin with 0 as the first digit are for non-music majors for one-hour credit. Course numbers which begin with 1 are taken by freshman and sophomore music majors. Course numbers which begin with 3 are taken by students who have achieved upper division status. Instruction for the 100 and 300 level is offered as variable credit 1-3 hours:

Piano	050, 150, 350*
Organ	052, 152, 352*
Voice	055, 155, 355*
Guitar	057, 157, 357*
Flute	061, 161, 361*
Oboe	062, 162, 362*
Clarinet	063, 163, 363*
Bassoon	064, 164, 364*
Saxophone	065, 165, 365*
String Bass	067, 167, 367*
Violin	068, 168, 368*
Cello	069, 169, 369*
Percussion	070, 170, 370*
Trumpet	071, 171, 371*
Horn	072, 172, 372*
Trombone	073, 173, 373*
Euphonium	074, 174, 374*
Tuba	075, 175, 375*

**May be taken more than once for credit.*

MUS 010. Marching Band, 1 hour*

May count for PE credit.

MUS 011. Symphonic Winds, 1 hour*

Open to all students.

MUS 012. Wind Ensemble Brass, .5 hour*

Select instrumental ensemble. Admission by permission of instructor.

MUS 013. Jazz Ensemble, .5 hour*

Select instrumental ensemble. Admission by permission of instructor.

MUS 015. Wind Ensemble Woodwinds, .5 hour*

Select instrumental ensemble. Admission by permission of instructor.

MUS 017. Piano Ensemble, .5 hour*

Students will be coached on standard literature for piano duet and for two pianos. Counts as ensemble credit for keyboard majors. Admission by permission of instructor.

MUS 018. Wind Ensemble Percussion, .5 hour*

Select instrumental ensemble. Admission by permission of instructor.

MUS 020. A Cappella Choir, 1 hour*

Mixed choral group. Admission by audition.

MUS 021. Men's Chorus, 1 hour*

Open to all students without audition.

MUS 022. Women Singers, 1 hour*

Open to all students without audition.

MUS 025. Small Choral Ensemble, .5 hour*

Redemption, auditioned vocalists and instrumentalists, repertoire of Contemporary Christian music, perform in area churches, chapel and for campus events.

MUS 030. Lyric Theatre, 1 hour*

Music theatre/opera study through performance laboratory.

MUS 035. Lyric Theatre/Opera Orchestra, .5 hour-1 hour, Fall, Also Spring as needed*

Opera/theatre orchestra for music theatre productions.

MUS 100. Beginning Music Theory for Majors, 3 hours, Fall

Studies in intervals, scales, key signatures, chords, notation, rhythm, ear training, and sight singing for music majors preparing to take MUS 111.

MUS 101. Class Piano, 1 hour

Beginning piano instruction for students with no previous skills. Emphasizes introductory music theory and chord playing.

MUS 102. Class Voice, 1 hour*

Beginning vocal instruction for the general student and secondary applied music students, instruction in posture, breathing, phonation, resonance, diction, and interpretation in a class setting.

MUS 103, Class Piano I, 1 hour, Fall, Spring

Beginning piano instruction for music majors with limited prior study. Emphasizes development of functional skills, sight-reading, transposition, harmonization, improvisation, technique, and playing by ear. **Prerequisite: MUS 100 or instructor's consent.**

MUS 104, Class Piano II, 1 hour, Fall, Spring

Continuation of functional keyboard skills development; includes introductory hymn playing. **Prerequisite: MUS 103 or instructor's consent.**

MUS 109. Foreign Language Diction, 3 hours, Offered as needed

Study of Italian, German, and French phonology for the singer, with intensive drills in pronunciation and the International Phonetic Alphabet.

MUS 111. Elementary Theory I, 3 hours, Fall

Fundamentals (notation of pitch and duration, scales, keys, modes, intervals, and chords), the structural elements of music (written and analyzed) including melodic organization, rhythm, texture, cadences, non-harmonic tones, voice leading in four part chorale writing, and basic composition.

MUS 112. Elementary Theory II, 3 hours, Spring

A continuation of the study of the structural elements of music through listening, analyzing, and writing harmonic progressions emphasizing the use of triads, seventh chords, secondary dominants, modulation, and basic composition. An introduction to basic binary and ternary form in music.

MUS 117. Sight Singing and Ear Training I, 1 hour, Fall

Rhythmic reading, interval and chord recognition, melodic and harmonic dictation; computer drill and testing. Two hours a week for one hour credit. **Prerequisite: Pass theory placement test or instructor's consent.**

MUS 118. Sight Singing and Ear Training II, 1 hour, Spring

A continuation of MUS 117 into more advanced levels of difficulty; computer drills. Two hours a week for one hour credit. **Prerequisite: MUS 117 or instructor's consent.**

MUS 133. Appreciation of Music, 3 hours, Fall, Spring, Summer

Develops an understanding of Western music as an artistic expression of human culture and intention. Information pertaining to music, composers/performers, listening, and historical context. May be applied to a music major or minor only as a substitute for MUS 135-136.

MUS 135. Introduction to Music History and Literature I, 1 hour, Fall

Introduction to major composers and styles before 1750. One lecture and one lab session per week for one hour credit.

MUS 136. Introduction to Music History and Literature II, 1 hour, Spring

Introduction to major composers and styles since 1750. Brief treatment of non-western and popular music. One lecture and one lab session per week for one hour credit.

MUS 203. Class Piano III, 1 hour, Fall, Spring

Development of more advanced keyboard skills; emphasis on scales, score reading, hymn playing, and improvisation. **Prerequisite: MUS 104 or instructor's consent.**

MUS 204. Class Piano IV, 1 hour, Fall, Spring

Final course in the class piano sequence for non-keyboard music majors. Designed to prepare music majors for the comprehensive piano proficiency exam. **Prerequisite: MUS 203 or instructor's consent.**

MUS 205. Class Piano V, 1 hour, Offered as needed

Practical skills including score reading, harmonization, playing by ear; hymn playing, improvisation and transposition. Required for all BM keyboard majors.

MUS 206. Class Piano Laboratory, .5 hour*

Remedial preparation for the keyboard proficiency test. Open only to music majors. S/F grading.

MUS 211. Advanced Theory I, 3 hours, Fall

Counterpoint; advanced tonal harmony; keyboard harmony; variation form; computer applications in music and basic composition.

MUS 212. Advanced Theory II, 3 hours, Spring

Sonata and rondo forms; analysis of late 19th and 20th century music; computer applications in music and basic composition.

MUS 217. Sight Singing and Ear Training III, 1 hour, Fall

Sight-singing and rhythm reading; melodic and harmonic dictation; computer assisted ear-training. Two hours a week for one hour credit.

MUS 218. Sight Singing and Ear Training IV, 1 hour, Spring

Progressively more difficult sight-singing and rhythmic reading; melodic, harmonic, and two-part dictation; computer assisted ear training. Two hours a week for one hour credit.

MUS 219. Composition I, 1-3 hours, Fall, Spring

Private instruction in music composition. Public performance on composition recital in spring semester. Does not substitute for theory courses. May be taken more than once for credit. **Prerequisite: MUS 112 and instructor's consent.**

MUS 230. Accompanying Seminar, 1 hour, Offered as needed

Piano students are coached on standard accompanying literature for both vocalists and instrumentalists. May be repeated once for credit.

MUS 240. Instrument Studies, 1 hour, Spring

Designed to help music majors gain basic functional knowledge of stringed, percussion, brass, and woodwind instruments. It should be taken in conjunction with Music 415 Instrumentation. Required for Music Education, Vocal/General majors.

MUS 241. Percussion Methods and Literature, 2 hours, Spring odd years

Teaching percussion instruments including studies in pedagogy, health, and literature.

MUS 242. Woodwind Methods and Literature, 2 hours, Fall odd years

Teaching woodwind instruments including studies in pedagogy, health, and literature.

MUS 246. Brass Methods and Literature, 2 hours, Spring even years

Teaching brass instruments including studies in pedagogy, health, and literature.

MUS 249. Music and Sound Technology, 1 hour, Offered periodically

To provide the basic knowledge of how and why to use sound and video equipment to enhance church services. An emphasis will be placed on sound reinforcement of music and video technologies for use during singing.

MUS 321. The Songs of the Church, 3 hours, Spring odd years

Historical survey of Christian hymns of all periods. The emphasis will be on historical context and current use.

MUS 322. Worship Practices, 2 hours, Fall odd years

Introduction to worship practices through reading, examination of worship materials, visits to churches and resource personnel.

MUS 325. Church Music Administration, 3 hours, Spring even years

Administration and organization of the church music program.

MUS 341. School Music: K-6, 3 hours, Fall, Spring

Designed for elementary teachers with a basic orientation to the purposes and content of music instruction in elementary schools and the opportunity to develop, improve, and apply teaching strategies to music instruction for the elementary classroom. Intended for non-music majors.

MUS 342. Vocal Pedagogy, 3 hours, Fall odd years

Vocal teaching techniques.

MUS 343. Instrumental Music Methods, 2 hours, Fall

Organizational structure of the public school music program. Materials and techniques for orchestra, concert and marching band. Includes in-school practicum.

MUS 345. Music Teaching Methods, 2 hours, Fall

Designed to provide K-12 music teachers with an orientation to classroom management, assessment, curriculum design and implementation and to give opportunity to develop, improve, and apply teaching strategies to music instruction in the various K-12 music settings. Intended for music majors. A 25-hour in-school practicum is required. **Prerequisite: Admission to the Teacher Education Program.**

MUS 346. String Methods and Literature, 2 hours, Fall even years

Teaching stringed orchestral instruments including studies in pedagogy, health, and literature.

MUS 347. Piano Methods, 3 hours, Offered as needed

Survey of current methods and materials for teaching elementary and intermediate piano students. Pedagogical approaches to teaching rhythm, reading, technique, memorization, ornamentation, and musicality will be considered. Includes supervised teaching.

MUS 348. Electronic Music Methods, 2 hours, Spring even years

Production and manipulation of musical sounds by synthesizers and computers.

MUS 385. German/Austrian Music and Culture, 3 hours, Mayterm

Cultural and musical enrichment through travel, study, and immersion programs in Germany, Austria, and Hungary. While musical culture is the primary focus of the program, students will be exposed in art, architecture, history, religion, German language, and lifestyle.

MUS 411. Form and Analysis, 3 hours, Fall even years

An analytical study of musical form, from phrase structure through the large forms of theme and variation, rondo, sonata form, and fugue.

MUS 413. Counterpoint, 3 hours, Fall odd years

Contrapuntal technique of the sixteenth and eighteenth centuries.

MUS 415. Instrumentation, 2 hours, Spring

Methods of scoring music for instrumental ensembles.

MUS 416. Senior Project in Music Theory, 3 hours, Offered as needed.

A detailed analytical study of a major musical composition. For Music Theory majors.

MUS 419. Composition II, 1-3 hours, Fall, Spring

Private instruction in music composition for upper-level students. Public performance on composition recital in spring semester. Does not substitute for theory courses. May be taken more than once for credit. **Prerequisites: MUS 211 and 212 and instructor's consent.**

MUS 431. History of Music I, 3 hours, Fall

The development of western music from the early Christian era through 1750. **Prerequisites: MUS 211 and 212 or instructor's consent.**

MUS 432. History of Music II, 3 hours, Spring

The development of western music from 1750 through the twentieth century. **Prerequisites: MUS 211 and 212 or instructor's consent.**

MUS 435. Song Literature, 3 hours, Offered as needed

Study of Italian, German, French, and English art song repertoire from 1600 through modern English and American composers, individual song analysis as well as broader study of composers' compositional traits and connections with poets.

MUS 436. Wind Literature, 3 hours, Offered as needed

Basic wind solo and chamber music literature from the Baroque to the present.

MUS 437. Percussion Literature, 3 hours, Offered as needed

Basic percussion solo and chamber music literature from the Baroque to the present.

MUS 440. Instrumental Pedagogy, 3 hours, Offered as needed

Supervised teaching experience (private or preparatory students).

MUS 441. Methods and Techniques of Conducting, 2 hours, Fall

Techniques of conducting choral and instrumental groups.

MUS 442. Advanced Conducting, 2 hours, Spring

Development of advanced conducting techniques.

MUS 443. Teaching Music to Children, 3 hours, Fall

Designed to provide prospective elementary general music teachers with a basic orientation to the purposes and content of music instruction in elementary schools and to give opportunity to develop, improve, and apply child-centered teaching strategies to the elementary classroom. Intended for music majors. A 25-hour in-school practicum is required.

MUS 445. Teaching Choral Music, 2 hours, Fall

Materials and technique for teaching choral music on the secondary level.

MUS 446. Piano Literature I, 2 hours, Offered as needed

A study of the history of keyboard music from the Renaissance through the Classical period. Major works and composers will be emphasized, tracing the development of idiomatic keyboard styles and formal structures.

MUS 447. Piano Literature II, 2 hours, Offered as needed

Continuation of MUS 446. A study of the history of piano music from the Romantic period to the present. Major works and composers will be emphasized within a historical and stylistic context.

MUS 449. Instrumental Maintenance and Repair, 2 hours, Offered periodically

Lab course for instrumental music majors.

MUS 460. Supervised Field Work in Church Music, 1 hour, Fall, Spring

Supervised practical experience in church music. Student must work in a church situation as a director or accompanist, or in a capacity approved by the supervising professor. Periodic reports and plans are required.

MUS 461. Senior Seminar for BA in Music, 1 hour, Each semester as needed

The course will include the investigation of relevant after graduation possibilities and resume development. Assignments that facilitate synthesis of the student's college experiences. All appropriate testing for the purpose of liberal arts requirements and program assessment.

MUS 465. Student Teaching: Placement One, 5 hours, Fall, Spring

Observation, participation, and teaching under professional supervision. Must provide proof of liability insurance. **Corequisites: MUS 463 and 467. Prerequisites: Admission to the Teacher Education Program and Student Teaching Semester. \$100 fee.**

MUS 467. Student Teaching: Placement Two, 5 hours, Fall, Spring

Observation, participation, and teaching under professional supervision. Must provide proof of liability insurance. **Corequisites: MUS 463 and 465. Prerequisites: Admission to the Teacher Education Program and Student Teaching Semester. \$100 fee.**

Nursing (NURS)

NURS 200. Cognitive Approaches to Nursing, 2 hours, Fall, Spring, Summer as needed

An introduction to nursing as a discipline and the cognitive skills contributing to success.

NURS 202. Health Assessment, 3 hours (2 lecture, 3 clinical), Fall, Spring, Summer as needed

Study and application of concepts and skills necessary for holistic health assessment of clients. **Acceptance to upper division nursing program. Non-majors need instructor approval.**

NURS 203. Pharmacology, 3 hours, Fall, Spring, Summer as needed

Introduction to nursing responsibilities related to administration of broad classifications of drugs. **Acceptance to upper division nursing program. Non-majors need instructor approval.**

NURS 205. Peer Health Educators, 1 hour, Offered as needed

Preparing and presenting peer education programs related to health and wellness issues. S/F grading. **Prerequisite: Instructor's consent.** Same as HLTH 205.

NURS 209. Wellness for the 21st Century, 2 hours, Spring

Trends and issues in wellness will be studied. Students will develop and implement a self-wellness plan. Laboratory experiences will involve service, research, or teaching activities. Appropriate for non-nursing majors. No prerequisites. Open to any student at Carson-Newman College. Same as HLTH 209.

NURS 212. Fundamentals of Nursing Practice, 4 semester hours (2.5 lecture, 4.5 clinical), Fall, Spring, Summer as needed

An introduction to the foundational skills of professional nursing practice based on the metaparadigm of person, environment, health, nursing, and caring. Focus is placed on caring for the individual with alteration in functional health patterns. Clinical experiences are in college laboratory,

nursing home, outlying clinics and community agencies. **Prerequisites:** Acceptance to upper division nursing program. **Corequisites:** NURS 200, 202, and 203. *\$218 fee.*

NURS 214. LPN to RN Transitions, 2 hours, Offered as needed

An introduction to Professional Nursing, this course will introduce the philosophy and organizing framework of the BSN program at Carson-Newman College, provide insight into planning care, and prepare the LPN to transition into Professional Nursing. **Prerequisite:** Unencumbered Tennessee LPN licensure and successful challenge of NURS 212. *\$115 fee.*

NURS 217. Health Care for the Elderly, 2 hours, Fall, Spring, Summer as needed

A study of the health care needs specific to the elderly population. Appropriate for non-nursing majors. **Prerequisite:** Acceptance to upper division nursing program. **Non-majors need instructor approval.**

NURS 301. Conceptual Approaches (for RN's only), 2 hours, Offered as needed

A discussion of the metaparadigm of professional nursing with emphasis on the philosophy and organizing framework of the baccalaureate program at Carson-Newman College and includes written application of critical thinking and decision making. Serves as transition course for RN students. **Prerequisite:** Unencumbered Tennessee RN licensure.

NURS 302. Introduction to Altered Health States, 3 hours, Fall, Spring

A conceptual approach and analysis of pathophysiological phenomena and human responses to altered health states in the adult. **Prerequisites:** Completion of all 200 level nursing courses. **Non-majors need instructor approval.**

NURS 303. Health Pattern Alterations in Adults, 8 hours (4 lecture, 12 clinical), Fall, Spring

Application of caring actions that focus upon the use of critical thinking and clinical decision making in professional nursing practice, in the facilitation of health in adult clients with alterations in health patterns. **Prerequisites:** Completion of all 200 level nursing courses. **Corequisite:** NURS 302. *\$126 fee.*

NURS 307. Child Health Patterns, 5 hours (3 lecture, 6 clinical), Spring, Summer

Theory and application of concepts of nursing care are related to the needs of clients from infancy through adolescence and recognize the child as a integral member of the family unit. Caring actions focus upon the use of the nursing process to promote a caring environment for pediatric clients and families. **Prerequisites:** NURS 302 and 303. *\$180 fee.*

NURS 308. Mental Health Nursing, 5 hours (3 lecture, 6 clinical), Fall, Spring

Professional mental health nursing roles are implemented through caring constructs, communication skills, and therapeutic milieu. Clinical laboratory experience in a community mental health center, a behavioral unit, and a psychiatric facility are provided. **Prerequisites:** NURS 302 and 303.

NURS 315. Foundations of Nursing Research, 3 hours, Fall, Spring

Fundamentals of research methods are studied and published research findings are critiqued for potential use in nursing practice. Students, working in groups, will devise a research miniproposal for an identified problem in clinical nursing. **Prerequisites:** NURS 303 and MATH 201.

NURS 320. Special Topics for ROTC Nursing, 1-2 hours, Summer

Focuses on issues related to being a Second Lieutenant in the Army Nurse Corps.

NURS 404. Community Health Nursing, 5 hours (3 lecture, 6 clinical), Fall, Spring as needed

Application of nursing's metaparadigm with a variety of populations, individuals, families, groups and communities. Development of nursing strategies to assist multi-cultural clients throughout the lifespan. The clinical focus is the role of the community health nurse. **Prerequisites:** NURS 303, 307, and either 308 or 413. *\$94 fee.*

NURS 405. Leadership and Management, 6 hours (3 lecture, 9 clinical), Spring, Senior Capstone Course

Selected theories of management and leadership focusing on the integration of these systems with application of clinical decision making to client care management within the health care system using professional standards of client care. **Prerequisites:** All 300 level nursing courses, NURS 404 and 413. **Corequisite:** NURS 412 and 414.

NURS 409. School Health Nursing, 2 hours, Offered as needed

Current issues relevant to the health of school-age children and adolescents in the school setting. **Prerequisite:** NURS 307.

NURS 410. Nursing Care of the High-Risk Neonate, 2 hours, Fall

Focuses on the nursing management of the neonate at risk. **Prerequisite:** NURS 307 or NURS 413.

NURS 411. Nurse Summer Training Program (NSTP), 2 hours, Summer

A three-week clinical experience for selected nurse cadets which provides opportunities to develop and practice leadership skills in a clinical environment. Incorporates use of military, leadership, clinical nursing, administrative, and interpersonal skills. Will meet the 2 semester hour elective for nursing majors. Same as MILS 305. **Prerequisites:** ROTC cadet; NURS 303.

NURS 412. Dimensions of Professional Nursing, 3 hours, Spring

A synthesis of current and projected trends in nursing practice, education, and research with focus on legal, ethical, social and legislative issues, which have implications for professional nursing practice. NCLEX-RN preparation included. **Prerequisite: All 300 level nursing courses, NURS 404 and 413. Corequisite: NURS 405 and 414.**

NURS 413. Childbearing Health Patterns and Alterations, 5 hours (3 lecture, 6 clinical), Fall, Summer

Integration of the metaparadigm of person, environment, health, nursing, and caring to multiple childbearing women, their infants, and family. Promotion of positive client health through caring behaviors and roles is emphasized. Clinical laboratory experiences in an obstetrical unit, childbirth classes, client homes, and prenatal care clinics. **Prerequisites: NURS 302 and NURS 303.**

NURS 414. Complex Health Pattern Alterations, 6 hours (3 lecture, 9 clinical), Spring

Integration of caring actions that focus on the use of critical thinking and clinical decision making in professional nursing practice. Clinical focus is on the facilitation of health in the client with complex health pattern alterations. **Prerequisite: All 300 level nursing courses, NURS 404 and 413. \$536 fee.**

NURS 415. Women's Health Issues, 2 hours, Offered as needed

Survey of current issues that affect the holistic health of women. **Prerequisite: junior/senior or instructor permission.**

NURS 416. International Health Perspectives, 2 hours, Offered as needed

Seminar with interdisciplinary approach to exploring various health care delivery systems, agencies, and selected problems impacting world health.

NURS 417. Multicultural Practicum. 1-3 hours, Offered as needed

Supervised practicum (at least 30 hours) within a cultural setting that is different from the student's dominant/birth culture. Repeatable to a maximum of 4 hours. **Prerequisite: NURS 416 recommended prior to practicums in international settings.**

NURS 418. Health Care Ethics, 2 hours, Spring

Integration of health care decisions in light of core ethical principles/terms as well as exploration of the ethical code of conduct and standards for nurses and other health care professionals.

NURS 419. Nursing Leadership for ROTC, 6 hours (3 lecture, 9 clinical), Spring, Senior Capstone Course

Selected theories of leadership and management will be examined as the basis for duties, roles, and responsibilities of a professional nurse and military officer. Clinical focus will be delivery of care to a group of clients on a medical-surgical nursing unit. **Prerequisites: All 300 level nursing courses and military science courses.**

NURS 420. Leadership for RN's, 3 hours, Offered as needed

Selected theories of management and leadership are examined focusing on clinical decision making and client care management delivery systems. Three hours lecture. **Prerequisites: Registered Nurse with unencumbered Tennessee RN licensure and instructor permission.**

NURS 421. Dimensions of Professional Nursing for RN's, 3 hours, Offered as needed

A synthesis of current and emerging trends in professional nursing practice, education, and research with attention given to legal, ethical, and legislative issues. The implications for a professional will be explored. **Prerequisites: Registered Nurse with unencumbered Tennessee RN licensure and instructor permission.**

NURS 422. Professional Synthesis for RN's, 3 hours, Offered as needed

This RN capstone course is a synthesis of knowledge, theories, and clinical experiences from course work throughout the nursing major and prior clinical practice. Students develop learning contracts incorporating the roles of provider of care, designer/manager/coordinator of care, and member of the profession Through a directed practicum, the students will demonstrate achievement of selected AACN essentials. **Prerequisites: Registered Nurse with unencumbered Tennessee RN licensure and instructor permission.**

Philosophy (PHIL)

PHIL 101. Practical Reasoning, 3 hours, Fall, Spring

Studies the principles of critical thinking in the context of classical philosophical and contemporary social and moral issues.

PHIL 102. Introduction to Philosophy, 3 hours, Once every 2-3 years

Investigates the basic issues and questions of philosophy. Special attention will be given to the principles which determine and inform cosmology, anthropology, ontology, epistemology, and axiology.

PHIL 204. Principles of Logic and Science, 3 hours, Spring odd years

Studies the principles of symbolic (sentential) logic, categorical logic, and elementary quantification theory. These exercises in deduction will be set over against induction as seen in the activities of science.

PHIL 301. Christian Ethics, 3 hours, Fall

Critically examines the biblical, historical, and theological principles of moral value. Attention will be given to ethical theory and Christian moral values as they derive from the Bible. Same as REL 301.

PHIL 303. Ancient Philosophy, 3 hours, Fall even years,

Focuses on the beginnings of Western thought in a survey of the Presocratics, Plato, Aristotle, and Greek and Roman philosophy.

PHIL 304. Medieval Philosophy, 3 hours, Spring odd years

Studies the principal thinkers of the medieval period, including Augustine, Boethius, Anselm, Avicenna, Aquinas, Ockham, and others.

PHIL 305. Modern Philosophy, 3 hours, Fall odd years

Examines Western thought from the Renaissance through Hegel with special attention to the Continental Rationalists and the British Empiricists.

PHIL 306. Contemporary Philosophy, 3 hours, Spring even years

Examines the philosophical movements which shape the contemporary Western mind. Special emphasis will be made upon engaging the student in the ongoing philosophical process.

PHIL 321. Religion and Science, 3 hours, Spring even years

A topical and historical study of the philosophical issues surrounding the relationship between the Christian religion and modern science. The tools of philosophy, especially philosophy of science, will be used to address salient points of intersection between Christianity and science in modern times.

PHIL 400. Teaching Assistantship, 1-3 hours, Fall, Spring

Engages the senior philosophy student in one-on-one tutoring and other activities with underclassmen. Requires departmental invitation.

PHIL 401. Problems of Philosophy, 3 hours, Once every 2-3 years

Examines a selected intellectual problem for its philosophical dimensions. Metaphysical and epistemological issues are given priority.

PHIL 402. Philosophy of Religion, 3 hours, Spring

Surveys the engagement of philosophy with religion, with focus upon religious experience, "proofs" of God's existence, religious language, miracles, life after death, and associated topics. **Prerequisites: PHIL 101 or 102 or instructor's consent.** Same as REL 402.

PHIL 403. Aesthetics, 3 hours, Once every 2-3 years

Critically examines the artistic enterprise and seeks to develop a coherent set of principles which attend the person and work of the artist, the art object, and the art audience. Several contemporary theories of art will be examined. **Prerequisite: PHIL 101 or 102 or instructor's consent.**

PHIL 404. Nonwestern Religious Thought, 3 hours, Fall even years

Examines the conceptual component in various Eastern religions. The student will read extensively from the sacred writings of these religions. Comparative studies will be encouraged. **Prerequisite: PHIL 101 or 102 or instructor's consent.** Same as REL 404.

PHIL 410. Philosophy Colloquium, 1 hour, Spring

Intensely examines selected works of a significant philosopher in a colloquium setting. All philosophy professors will be involved, as well as faculty members from other departments, as appropriate. May be repeated for credit.

Physical Education (PE)

PE 006. Badminton, 1 hour - May be repeated for up to 2 credits.

PE 008. Emergency Life Sustaining Skills, 1 hour

Emergency measures in choking, poisoning, bleeding, etc.; CPR and rescue skills. Instructor approval required.

PE 009A. Fencing, 1 hour - May be repeated for up to 4 credits.

PE 010. Golf, 1 hour - May be repeated for up to 2 credits.

PE 012. Hiking/Backpacking, 1 hour - May be repeated for up to 2 credits.

PE 013. Physical Conditioning, 1 hour - May be repeated for up to 4 credits.

PE 016. Open Water Scuba Diving, 1 hour - May be repeated for up to 2 credits.

PE 018. Leisure Activities, 1 hour - May be repeated for up to 4 credits.

PE 020. Self Defense (enrollment restricted to women), 1 hour

PE 021. Pickle Ball, 1 hour - May be repeated for up to 2 credits.

PE 025. Swimming, 1 hour - May be repeated for up to 2 credits.

PE 028. Tennis, 1 hour - May be repeated for up to 4 credits.

PE 030. Volleyball, 1 hour - May be repeated for up to 2 credits.

PE 032. Weight Training, 1 hour - May be repeated for up to 2 credits.

PE 037. Lifeguard Training, 2 hours

Preparation for and implementation of a lifeguard system at swimming pools and non-surf open water beaches.

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PE 038. Fitness Swimming, 1 hour

Must be able to swim. Not for beginners. May be repeated for up to 2 credits.

PE 040. Racquetball, 1 hour - May be repeated for up to 2 credits.

PE 047. Country Line Dancing, 1 hour - May be repeated for up to 2 credits.

PE 048A. Judo, 1 hour - May be repeated for up to 4 credits.

PE 050. Horsemanship, 1 hour - May be repeated for up to 2 credits.

PE 052. Beginning Kayaking, 1 hour

PE 054. Speed Training, 1 hour

Varsity athletes, cheerleaders, and dance team members may elect to receive one hour credit each year for participation in these activities. Maximum credit for any student is four hours. Such credit is elective and graded as satisfactory/fail only and does not count toward any major or requirement except as elective hours. Credit is available as follows:

PE 070. Varsity Baseball, 1 hour

PE 071. Varsity Basketball, 1 hour

PE 072. Varsity Football, 1 hour

PE 073. Varsity Golf, 1 hour

PE 074. Varsity Soccer, 1 hour

PE 075. Varsity Softball, 1 hour

PE 076. Varsity Tennis, 1 hour

PE 077. Varsity Track and Field, Cross Country, 1 hour

PE 078. Varsity Volleyball, 1 hour

PE 080. Varsity Cheerleading, 1 hour

PE 081. Dance Team, 1 hour

PE 101. Introduction to Physical Education, 1 hour, Fall

A survey of the basic concepts of the academic disciplines that comprise physical education.

PE 102. History and Philosophy of Physical Education, 1 hour, Fall

An overview of the history and philosophy of physical education from the Greek civilization to the present.

PE 103. Practicum in Physical Education I, 1 hour, Spring

Ten seminar classroom hours of teacher licensure theory and 25 hours of supervised PE teaching in an approved elementary, middle, or high school setting. S/F grading. **Prerequisite: PE major.**

PE 200. Personal Training, 2 hours, Offered periodically

An individualized physical fitness program whereby the student is personally trained or pursues personal training as an avocation. Includes theoretical foundations. **Prerequisite: Instructor's consent.**

PE 202. Principles of Coaching, 2 hours, Offered periodically

Survey of principles of coaching with emphasis on coaching philosophy, sport psychology, sport pedagogy, sport physiology and sport management.

PE 210. Coaching Football, 2 hours, Offered periodically

Skills, techniques, strategy, and administrative responsibilities in coaching football.

PE 212. Coaching Basketball, 2 hours, Offered periodically

Skills, techniques, strategy, and coaching responsibilities in coaching basketball.

PE 214. Coaching Track and Field, 2 hours, Offered periodically

Course includes all facets of coaching Track and Field, technologies of Track and Field, equipment considerations, organization and administration responsibilities, various techniques in running, jumping and throwing events, coaching from an official's perspective, and flexibility and weight training programs.

PE 235. Coaching Techniques in Strength Training and Conditioning, 3 hours, Mayterm

Course will assist with the necessary skills and knowledge to establish and coach a weight training program at the secondary school level.

PE 270. Racquet Sports, 2 hours, Spring

This activity course provides the opportunity for students to develop skills, tactics/strategy, knowledge, and personal/social behaviors to participate in badminton and pickleball.

PE 300. Teaching Assistantship, 1-3 hours, Fall, Spring

Assist with preparation for and management of physical education courses. **Prerequisite: Department chair's consent.**

PE 301. Teaching Physical Education in the Elementary School, 3 hours, Fall, Spring, Mayterm

Teacher methodology for developmentally appropriate K-5 physical education. **Prerequisites:** PE major.

PE 302. Teaching Health and Physical Education K-5, 3 hours, Fall, Spring, Mayterm

Similar to PE 301, with the addition of health. **Prerequisite:** junior/senior Liberal Studies, Special Education, or Early Childhood Education major.

PE 303. Rhythmic Movement Education, 3 hours, Fall, Spring

Teacher methodology for K-12 rhythm and dance activities.

PE 308. American Red Cross Water Safety Instructor Training, 3 hours, Offered periodically

Preparation for teaching swimming and waterfront safety. **Prerequisite:** Advanced swimming skills.

PE 310. Sports Administration, 3 hours, Offered periodically

Principles and methods of athletic administration. Topics include: Duties and Responsibilities of Administrators, Management of Personnel and Resources, and Contemporary Issues.

PE 313. Adapted Physical Education, 3 hours, Spring

Design and implementation of adaptations to meet the needs of disabled children and adults.

PE 315. Practicum in Physical Education II, 1 hour, Fall, Spring

Twenty-five clock hours of observation and supervised teaching in an elementary, middle, or secondary setting. S/F grading. **Prerequisites:** PE major, PE 103.

PE 326. Concepts in Exercise and Sport Behavior, 3 hours, Offered periodically

A presentation of exercise and sport psychology theory. Topics to be covered include personality and individual differences, motivation, social influence and performance, leadership, and group dynamics.

PE 360. Theory and Methods of Individual and Dual Sports, 3 hours, Spring

Instruction, practice and management of sport and leisure activities. **Prerequisites:** PE major.

PE 361. Theory and Methods of Team Games and Leisure Activities, 3 hours, Fall

Instruction, practice and management of team games and leisure activities. **Prerequisites:** PE major.

PE 402. Human Motor Learning and Performance, 3 hours, Fall, Summer periodically

The study of how humans learn motor skills from an information processing perspective; the concepts of memory, attention, motivation, feedback, practice, and transfer are explored. **Prerequisites:** PE major; admission into Teacher Education Program I.

PE 403. Teaching Physical Education and Wellness in the Secondary School, 3 hours, Fall

Teacher methodology for 6-12 physical education and wellness.

PE 404. Measurement and Evaluation, 3 hours, Fall

Selection and administration of PE related tests. Interpretation and communication of results.

Physics (PHYS)

PHYS 100. Physics in Everyday Life, 3 hours, Offered periodically

An introduction to a variety of principles of physics that have applications to everyday life. Intended for non-science majors. Two lectures and one two-hour lab a week.

PHYS 101. Physics of Musical Sound, 3 hours, Offered periodically

An investigation of variety of fundamental physics principles and their application to the production, transmission and perception of sounds. Primarily intended for music majors and students with some music experience. Two lectures and one two-hour lab a week.

PHYS 102. Basic Physics and Astronomy, 3 hours, Offered periodically

An introduction to the major concepts and principles of physics and astronomy. Intended primarily for students pursuing licensure in K-8 education. Not open to students who have taken either PHYS 100 or 110. Two lectures and one two-hour lab per week.

PHYS 103. General Physics I, 4 hours, Fall

An application of physical principles, logic, and mathematical examination to understanding motion. Topics include forces, collisions, momentum, energy, rotations, fluids, and heat. Three lectures and one three-hour lab a week. **Prerequisite:** MATH 120 or ACT math score of 24 or higher, or instructor's consent.

PHYS 104. General Physics II, 4 hours, Spring

A continuation of PHYS 103, focusing on the nature of sound and light, electromagnetic phenomena, and optics. Three lectures and one three-hour lab a week. **Prerequisite: PHYS 103.**

PHYS 110. Elementary Astronomy, 3 hours, Offered periodically

A survey of the tools and techniques of astronomy, our solar system, the stars, galaxies, and the structure of the universe. For non-science majors. Two lectures and one lab a week.

PHYS 201. Principles of Physics I, 4 hours, Fall

An application of physical principles, logic, and calculus to understanding motion. Topics include forces, collisions, momentum, energy, rotations, fluids, and heat. Three lectures and one three-hour lab a week. **Pre- or Corequisite: MATH 151.**

PHYS 202. Principles of Physics II, 4 hours, Spring

A continuation of PHYS 201, focusing on the nature of sound and light, electromagnetic phenomena, and optics. Three lectures and one three-hour lab a week. **Prerequisite: PHYS 201.**

PHYS 301. Electronics, 3 hours, Offered periodically

A study of electronic circuits and the nature of modern instruments commonly used in scientific labs. Topics include integrated circuits, analog and digital electronics, and logic circuits. Combined lecture and laboratory. **Prerequisites: PHYS 201 and MATH 152.**

PHYS 302. Electrodynamics, 3 hours, Spring odd years

An intermediate treatment of classical electricity and magnetism, including the use of vector calculus. Topics include fields, potentials, electromagnetic waves, and Maxwell's equation. **Prerequisites: PHYS 202 and MATH 152.**

PHYS 304. Thermodynamics, 3 hours, Fall even years

A study of gases, liquids, and solids, as well as an introduction to atomic and molecular structure. **Prerequisites: CHEM 104 and MATH 152; corequisite: PHYS 314.** Same as CHEM 401.

PHYS 307. Modern Physics, 3 hours, Fall odd years

A course covering Einstein's theory of special relativity, atomic physics, and elementary particles. **Prerequisite: PHYS 202.** Same as CHEM 403.

PHYS 308. Quantum Mechanics, 3 hours, Spring even years

A mathematical formulation of elementary quantum theory and its application to atoms and solids. **Prerequisite: PHYS 307.**

PHYS 313. Nuclear Physics, 3 hours, Offered periodically

An introduction to nuclear and elementary-particle physics. Topics covered typically include: nuclear models, radioactivity, nuclear reactions, fission, fusion, nuclear energy, nuclear weapons, and elementary particles. **Prerequisite: PHYS 307 or instructor's consent.**

PHYS 314. Thermodynamics Laboratory, 1 hour, Fall even years

Laboratory to accompany PHYS 304. Topics include gases, thermodynamics and phase equilibria. One three-hour lab a week. **Corequisite: PHYS 304.** Same as CHEM 415.

PHYS 318. Experimental Physics, 2 hours, Fall odd years

A lab course designed to give students an understanding of data collection, experimental procedures, and analysis techniques. Both modern and classical experiments will be conducted. One three-hour lab per week. **Prerequisite: PHYS 202.**

PHYS 320. Optics, 3 hours, Offered periodically

A study of wave nature of light and its application to scattering, reflection, interference, diffraction, and refraction. **Prerequisites: PHYS 202 and MATH 152.**

PHYS 330. Mechanics I, 3 hours, Fall even years

An application of vector calculus, generalized coordinates, differential equations, and Lagrangian and Hamiltonian formulations to solve problems in mechanics. Topics include rigid bodies, rotations, and oscillations. **Prerequisite: PHYS 202. Corequisite: MATH 211.**

PHYS 362. Energy and the Environment, 3 hours, Offered periodically

A study of energy and its influence on our lives, sources of energy, future shortages, social and political aspects of energy issues, environmental issues, alternative energy, and energy conservation.

PHYS 400. Teaching Assistantship, 1 hour, Offered on Demand

A course designed to help prepare students for teaching in graduate school. Students assist faculty with labs, grading, and other activities deemed appropriate by the instructor and in accordance with school policy. May be repeated once for credit. **Prerequisites: Senior standing and instructor's consent.**

PHYS 401. Special Topics in Physics, 3 hours, Offered periodically

A study of current research in physics or other areas which are deemed appropriate by the department. Topics might include solid state physics, nuclear physics, mathematical methods of physics, acoustics, or others. May be repeated for credit. **Prerequisites: PHYS 201 and MATH 152.**

PHYS 430. Mechanics II, 3 hours, Offered periodically

A continuation of topics taught in PHYS 330, Mechanics I. An emphasis on advanced analytical techniques. **Prerequisites: PHYS 330 and MATH 303.**

PHYS 491. Senior Seminar I, 1 hour, Fall

Students conduct research on a project in physics. Topics are chosen by the student in consultation with his/her advisor. Research includes laboratory work and/or a review of the current literature on the selected topic. **Prerequisite: Senior standing and instructor's consent.**

PHYS 492. Senior Seminar II, 2 hours, Spring

Students finish the project started in PHYS 491 and will write a paper and present the work in a public seminar. Senior Capstone Course. **Prerequisites: PHYS 491 or 496, senior standing, and instructor's consent.**

PHYS 495. Physics Research, 1-3 hours, Offered on demand

Experiments which introduce students to a variety of physical phenomena. The topic is selected by the student and a faculty member. May be repeated for credit. **Prerequisite: Instructor's consent.**

PHYS 496. Physics Internship, 1-3 hours, Offered on demand

Students have the opportunity to obtain academic credit for work experience normally completed during the summer. Both oral and written presentations dealing with the experience are required. May be repeated for credit. **Prerequisite: Instructor's consent.**

PHYS 497. Senior Studies, 1-3 hours, Offered on demand

A student chooses and studies a topic of particular interest on an individual basis. May be repeated for credit. **Prerequisite: Instructor's consent.**

Political Science (PSC)

PSC 101. Introduction to Civil Rights and Liberties, 3 hours, Fall, Spring, Summer periodically

Emphasis on historical background and contemporary issues related to civil rights and liberties in the United States.

PSC 102. American Government and Politics, 3 hours, Fall, Spring, Summer periodically

Study of American government and politics with emphasis on the Constitution, branches of government, public opinion, voting behavior, and campaigns and elections. **PSC 101 is not a prerequisite.**

PSC 105. Introduction to the Legal Profession, 1 hour, Fall odd years

Role of participants in the legal system. Various types of lawyers will be guest speakers each week.

PSC 202. Faith, Freedom and the Individual, 3 hours

See HONORS PROGRAM.

PSC 300. Teaching Assistantship in Political Science, 1-3 hours, Fall, Spring

Teaching assistantship for majors by departmental invitation.

PSC 303. American Political Behavior, 3 hours, Spring every 4 years following presidential election year

Voting behavior, political power and its acquisition, public opinion, propaganda, polling, surveys and techniques of political analysis.

PSC 312. Middle East Politics, 3 hours, Offered periodically

Topical survey of the problems currently confronting Middle East politics.

PSC 313. Global Politics, 3 hours, Once every 3-4 years

Analysis of politics, diplomatic tactics and relationships among nations, with examination of the United Nations and the US role in contemporary world politics.

PSC 314. International Human Rights, 3 hours, Offered periodically

Issues surrounding international human rights including how they are defined, the role of the United Nations and international law, and current controversies.

PSC 315. Contemporary International Issues, 3 hours, Once every 3-4 years

An examination of current issues in global politics.

PSC 320. Special Topics in Political Science, 1-3 hours, Offered periodically

An examination of a specific area of study in the discipline. Can be repeated for credit when topic changes.

PSC 321. American Political Thought, 3 hours, Spring every 2-3 years

Survey from Puritans to modern thinkers. Same as HIST 321.

PSC 323. Global Feminisms: Women in the Modern World, 3 hours, Fall odd years

Explores the history of women in the 20th/21st century from a global and thematic perspective by looking at middle class feminism and working class unionism; women in political revolutions and women in peace movements; women and the development of human rights; the development of women's history; and women and the politics of globalization, development, and environmental politics. Same as HIST 323.

PSC 324. Popular Culture and American Politics, 3 hours, Once every 2-3 years

Popular culture related to American politics and government focusing on the role of film, television, fiction, and music. Specific topic will vary.

PSC 330. Law in American Society, 3 hours, Once every 3-4 years

Law as a process through which social problems are addressed. Attention devoted to the structure and function of the U.S. legal system (federal and state). Current controversial legal issues will also be discussed.

PSC 335. Church-State Relations, 3 hours, Once every 3-4 years

An examination of the historical roots and contemporary status of church-state relations in America with a focus on the writings of Madison, Jefferson, key court decisions, and the current political culture.

PSC 336. Administrative Law, 3 hours, Once every 2-3 years

Legal status of actions undertaken by government agencies through the study of court decisions.

PSC 337. Contemporary Criminal Procedure, 3 hours, Every 3-4 years

Emphasis on fourth, fifth, sixth, eighth, and fourteenth amendment issues in a chronological perspective. These criminal procedure rights will be analyzed in terms of the effects of US Supreme Court decisions on law enforcement and criminal defense.

PSC 338. Women and the Law, 3 hours, Every 2-3 years

Study of historical and contemporary gender-based discrimination via examination of state and federal court decisions concerning statutory, constitutional based and traditional schemes of such discrimination.

PSC 339. Right to Privacy, 3 hours, Every 3-4 years

The historical roots and contemporary applications of the right to privacy in the United States through an examination of US Supreme Court and lower court rulings.

PSC 365. Washington Semester, 3-9 hours, Offered as needed

Internship in the nation's capitol. Students learn about the workings of federal government under supervision of a US congressman out of whose office they work. Approvals from instructor, committee and Washington office required during semester prior to participation. **Prerequisite: senior standing.**

PSC 403. Southern Politics and Culture, 3 hours, Once every 3-4 years

An examination of the rise of a distinctive southern political and cultural outlook and the degree to which it presently may be losing that distinctiveness. Colonial Era to Present.

PSC 404. Key American Presidential Elections, 3 hours, Fall of presidential election year

Analysis of impact on political life and behavior. Same as HIST 414.

PSC 407. Development of the Modern Presidency, 3 hours, Once every 3-4 years

Analysis of the growth of US presidential power. Historical roots and practices of 20th century presidents. Same as HIST 417.

PSC 409. Contemporary Issues in U. S. Public Policy, 3 hours, Once every 3-4 years

Overview of the policymaking process in the United States and controversial issues in American public policy.

PSC 410. Women and Politics, 3 hours, Once every 3-4 years

Role of women in the U. S. political system from the suffrage movement to current issues surrounding their political behavior as voters and elected officials.

PSC 420. Formation and Adoption of the Federal Constitution, 3 hours, Offered periodically

Examination of the context and process of the formation and adoption of the United States Constitution. Same as HIST 420.

PSC 421. Amending the United States Constitution, 3 hours, Offered periodically

Process, history, politics, and ramifications of amending the U. S. Constitution. Same as HIST 421.

PSC 438. American Constitutional Law I, 3 hours, Fall every 2 years

Constitutional interpretation and judicial review. Supreme Court decisions in business and economic matters.

PSC 439. American Constitutional Law II, 3 hours, Spring every 2 years

Civil liberties cases. **PSC 438 is not a prerequisite.**

PSC 491. Senior Seminar in Political Science, 2 hours, Fall

Reading/discussion based course covering contemporary political issues. Students will write a significant research paper. Capstone course for political science majors.

Psychology (PSY)

PSY 101. Introduction to Behavioral Science, 3 hours, Fall, Spring

Empirical methods, brain function, perception, learning, memory, emotion, cognition and motivation.

PSY 102. Understanding Human Behavior, 3 hours, Fall, Spring

Human development, personality theory, abnormal and health behavior, therapy, interpersonal and social processes.

PSY 201. Adult Psychology, 1 hour, Fall

Research and practical applications in patterns of mature living. Will be the adult development module of PSY 206. **Instructor Permission.**

PSY 203. Statistical Methods I, 3 hours, Fall, Spring, Summer

Basic statistical concepts including populations, samples, analysis and inference. One and two dimensional discrete and random variables. Applications of normal, t, chi square, F and binomial random variables. R statistical software. Same as MATH 201 and SOC 203. **Prerequisites: Strong algebra background evidenced by math ACT 21 (math SAT 530) or MATH 106, 120, or 125.** Students enrolling in a lecture section must also enroll in the corresponding lab section.

PSY 204. Psychology of Childhood and Adolescence, 3 hours, Fall, Spring

Developmental processes from early childhood to adolescence. Consideration of behavioral management techniques.

PSY 206. Human Development Through the Lifespan, 4 hours, Fall

Major milestones of development in each stage from prenatal to late adulthood and death. Physical, cognitive, and psycho-social growth. Laboratory. Same as CFS 206.

PSY 208. Adolescent and Adult Psychology, 3 hours, Offered periodically

Developmental processes from adolescence through late adulthood. Consideration given to issues involved in work with each population.

PSY 212. Social Entrepreneurship Seminar, 1 hour, Fall

An introduction to service that addresses human needs and problems by strengthening social infrastructure through community research and action, service learning, and civic engagement. Involves readings and a fieldtrip. Same as ID 212. S/F grading.

PSY 213. Statistics and Research Design, 4 hours, Fall, Spring

An introduction to basic descriptive and inferential statistics, the varieties of research designs used in psychology, qualitative and quantitative methods and the ethics of research. Students design, carry out, and present an original research project. Special emphasis placed on statistics and research design as applied to the social sciences. Laboratory. **Instructor Permission.**

PSY 250. Society and the Individual, 3 hours

See HONORS PROGRAM.

PSY 301. Social Psychology, 3 hours, Fall, Spring

Social factors influencing the thoughts and behavior of the individual. **Prerequisite: PSY 101 or 102.** Same as SOC 301.

PSY 302. Abnormal Psychology, 3 hours, Fall, Spring

Causes, treatments and prevention of maladaptive behavior. **Prerequisite: PSY 101 or 102.**

PSY 304. Child and Adolescent Psychopathology, 3 hours, Offered periodically

Causes, treatments, and prevention of disorders in children and adolescents. **Prerequisite PSY 101 or 102.**

PSY 305. History and Systems of Psychology, 3 hours, Spring

A study of systems of psychological thought in history and contemporary society. **Prerequisites: PSY 101 or 102, junior/senior standing.**

PSY 306. Organizational Behavior, 3 hours, Offered periodically

Principles of management with emphasis on individual and group behavior in organizations. Same as MGT 306.

PSY 309. Psychology of Adjustment and Health, 3 hours, Fall

An examination of the areas of emotional and behavioral health with emphasis on personal assessment, goal-setting and personal improvement. Analysis of the patterns of behavior that relate to health and higher quality of life. Use of the biopsychosocial model.

PSY 312. Social Entrepreneurship Practicum, 2 hours, Fall

Further explorations in community action, service learning, and civic engagement (see ID/PSY 212). Students establish or improve a nonprofit or volunteer organization or campus group, or design and carry out an innovative campus or community special project that addresses a human need or problem by creating social change for the common good. Involves participation in a regional social entrepreneurship conference. Same as ID 312. Prerequisite: ID/PSY 212.

PSY 316. Forensic Psychology, 3 hours, Spring

An overview of criminal behavior, including developmental, biological, learning, personality, and social psychological perspectives. Specific topics range from juvenile delinquents to psychopaths, from typical aggression to homicide and sexual assault. Where possible, both predicting crime and correctional options will be introduced. **Prerequisites: 3 hours of social science and junior standing, or 6 hours social science.**

PSY 318. Ecological Psychology, 3 hours, Offered periodically Mayterm

A study of the relationship between human behavior and development and the natural world with special emphasis on sustainable living and environmental justice in Appalachia. Laboratory.

PSY 320. Topics in Psychology, 1-3 hours, Offered periodically

Topics vary and may include historical readings, biofeedback, self-management, humor, environment and community, peace psychology, stress management and self esteem in children. May be repeated.

PSY 323. War, Nonviolence, and Peace, 3 hours, Offered periodically

A psychological approach to understanding wars, transforming conflict, and building peace. Requires a lab fee and field experience.

PSY 325. Psychology of Humor, 3 hours, Offered periodically

A comparison of motivational and cognitive theories. Key questions: To be funny, must one be aggressive or are verbal puns sufficiently arousing? We will view stand-up comedy, sit-coms, cartoons/comics, and full-length movies. We will deconstruct comedies in terms of "incongruity-resolution," and blend schemas/themes arising in politics, relationships, and regional stereotyping. Original research will support an inclusive model of how we think about humor.

PSY 400. Teaching Assistantship, 1-3 hours, Fall, Spring

Majors assist with grading, class exercises and tutoring. Taken by instructor's approval. 4 hours maximum. S/F grading.

PSY 404. Educational Psychology II: Classroom Management, 2 hours, Offered periodically

Teacher/Student Management.

PSY 405. Psychological Testing, 3 hours, Offered periodically

Construction, uses, ethics and interpretation of various assessment methods. **Prerequisites: PSY 213, 9 additional hours of psychology.**

PSY 406. Personality Theories, 3 hours, Fall

Overview of major personality theories. **Prerequisites: PSY 101 or 102, 9 additional hours of psychology.**

PSY 407. Gerontology, 3 hours, Offered periodically in Spring

Examination of the physical, social, and psychological aspects of the aging process. In-depth look at stereotypes, theories, demographics, and ways to age successfully. Same as SOC 417.

PSY 408. Psychology of Gender, 3 hours, Offered periodically in Spring

A survey of current ideas from the field of psychology on gender with an emphasis on women's ways of knowing, positive expressions of masculine character in the age of feminism, and communication differences between the sexes

PSY 409. Current Topics in Child and Family Studies, 3 hours, Offered periodically

Research and readings on selected issues affecting children and families. **Prerequisites: CFS 206 or PSY 204, CFS 305.** Same as CFS 407.

PSY 410. Community Field Work, 1-3 hours, Fall, Spring, Summer

Experience in local agencies or institutions. Application and instructor approval required. Please refer to application for specific course prerequisites. May be repeated. 6 hours maximum. S/F grading.

PSY 412. Senior Seminar, 2 hours, Fall

Senior letter, ethics and public policy, and career preparation. Required of all graduating seniors. **Prerequisite: senior standing.**

PSY 413. Counseling Theories and Techniques, 3 hours, Fall, Spring

Psychodynamic, Rogerian, cognitive, behavioral and eclectic theories. Basic counseling skills. Laboratory. **Prerequisites: PSY 302 and junior/senior standing.**

PSY 416. Seminar in Developmental Psychology, 3 hours, Offered periodically

Current issues and research in developmental psychology. **Prerequisite: PSY 204 or 206.**

PSY 421. Human Sexuality, 3 hours, Offered periodically

Social, psychological and moral understandings of sexual behavior. S/F grading.

PSY 425. Positive Psychology, 3 hours, Spring

Current principles, theories, research, and limitations of positive psychology with particular attention given to human strengths and optimal human functioning are addressed in this course. Students will develop an understanding of positive psychology and positive intervention through the study of happiness, wellness, optimism, healthy relationships, positive goal setting, social and spiritual support, resilience, flow, and hope. Findings from psychology, psychiatry, and behavioral genetics, neuroscience and behavioral economics will be addressed. Emphasis is on the application of positive psychology research findings to real-life experiences. An international perspective is provided throughout the course. **Prerequisite: Junior/senior standing.**

PSY 427. Film in the Disciplines, 3 hours, Offered periodically

Study of the role of film in traditional disciplines, with emphasis on how those disciplines are viewed in film, as well as the methodologies and issues of the disciplines as reflected in movies. Course may be repeated with change of content. Same as FILM 427.

PSY 491. Psychological Research, 1-3 hours, Fall, Spring

Supervised participation in research. May be repeated. 6 hours maximum. **Prerequisites: PSY 213 and instructor's consent.**

Recreation (REC)

REC 200. Foundations of Recreation, 3 hours, Fall

An in-depth study of the theory and nature of recreation; the impact of recreation on the quality of life for individuals and society; the role of agencies in provision of services; and the professional's role in education for recreation and the building of positive recreation lifestyle(s).

REC 220. Recreation Practicum, 3 hours, Summer only

Exploratory on-site practical experience in a recreation and/or park agency. Observe activities and lead programs requiring Recreation Leadership. **Prerequisite: REC 200.**

REC 304. Recreation Program Planning and Management, 3 hours, Fall

Provides the student with an understanding of recreation program practices including planning, program principles, and program evaluation. Practical application of this knowledge will be facilitated through direct experiences in organizational leadership and evaluation of programs. **Prerequisite: REC 200.**

REC 306. Administration of Recreation Programs, 3 hours, Spring

Designed to introduce students to the principles of administration and organization of recreation agencies. The role of the manager will be explored by investigating the concepts, problems and responsibilities faced by management staff.

REC 340. Outdoor Recreation, 3 hours, Fall, Summer periodically

Designed to provide the student with an orientation to the field of outdoor recreation. Emphasis is placed on acquiring knowledge in background knowledge of outdoor pursuits, specific skills utilized, along with leadership and administration of outdoor recreation pursuits. Emphasis will also be placed on the leadership of selected activities.

REC 461. Critical Issues in Recreation, 3 hours, Fall

Capstone course for Recreation majors. Examination and exploration of critical issues in the field of Recreation. **Prerequisites: senior standing and instructor's consent.**

REC 463. Topics in Recreation, 1-3 hours, As needed

Study of special topics and problems through directed reading and research in recreation. May be retaken to a maximum of three hours. Student must be a recreation major and have permission from instructor.

REC 440. Wilderness Leadership, 3 hours, Fall odd years

Implementation of outdoor pursuits programs, includes planning and leadership components, outdoor adventure-based administrative techniques, and risk management. Emphasis will be placed on situations and populations relevant to wilderness based programs. Field experiences may include minimum impact backcountry travel and living skills, environmental ethics and interpretation, navigation, climbing, canoeing, and trail service opportunities. Taught on rotating basis every three semesters. **Prerequisite: Instructor's consent.**

REC 465. Internship, 6 hours

Designed to place students in a recreation setting to observe and conduct activities. Students will additionally be gaining practical experience in the daily operations of a comprehensive recreation agency. Through this training, the student is provided an opportunity to test the concepts and competencies gained through his or her completion of college classroom experiences. The student will also gain knowledge and experience that provides a smooth transition into the profession after graduation. **Prerequisites: senior standing, REC 200, 304, and 306.**

Religion (REL)

REL 101. Introduction to the Old Testament, 3 hours, Fall, Spring, Summer

Introductory study of the background, growth, content, and relevance of the Old Testament.

REL 102. Introduction to the New Testament, 3 hours, Fall, Spring, Summer

Introductory study of the background, growth, content, and relevance of the New Testament.

REL 201. Introduction to Ministry, 3 hours, Spring

Experience in an area of vocational interest. Assignment by course professor. **Prerequisite: sophomore standing or above.**

REL 224. Spiritual Formation and Development, 3 hours, Once each year

Investigation of the biblical understanding of discipleship and spirituality and the psychological aspects of personal development in relationship to the faith journey in college-age students.

REL 240. Introduction to Youth Ministry, 3 hours, Once every 2-3 years

Overview of the key issues and best practices involved in conducting an effective ministry to youth through the local church and denomination.

REL 241. Introduction to Leadership, 3 hours, Once every 2-3 years

Study of the principles and models of effective leadership within both the church and the world.

REL 296. Theological Research, 3 hours, Fall

Research, writing, revision, and presentation of theologically oriented papers. Shall be taken by the end of sophomore year.

REL 301. Christian Ethics, 3 hours, Fall

Critically examines the biblical, historical, and theological principles of moral value. Attention will be given to ethical theory and Christian moral values as they derive from the Bible. Same as PHIL 301.

REL 313. Proverbs, Job, Ecclesiastes, 3 hours, Spring

Study of the wisdom movement in Israel and its relationship to the wisdom literature in the Old Testament. **Prerequisite: REL 101 or instructor's consent.**

REL 314. The Psalms: Israel's Voice in Worship, 3 hours, Once every 2-3 years

Study of Israel's worship in the Psalter as a source for worshipping God in the twenty-first century.

REL 315. Worship in the New Testament, 3 hours, Once every 2-3 years

Study of the New Testament as a source for worshipping God in the twenty-first century.

REL 317. Johannine Literature, 3 hours, Once every 2-3 years

Context and contemporary meaning of the writings of John. **Prerequisite: REL 102 or instructor's consent.**

REL 318. Sermon on the Mount, 3 hours, Spring odd years

Exegetical study of Matthew 5-7. **Prerequisite: REL 102 or instructor's consent.**

REL 319. Paul, 3 hours, Once every 2-3 years

Study of the letters, life, and thought of the Apostle Paul. **Prerequisite: REL 102 or instructor's consent.**

REL 320. Religions of the World, 3 hours, Spring as needed

Analysis of the origins, beliefs, and practices of the major religious traditions of the world.

REL 322. New Religious Movements, 3 hours, Spring as needed

Study of diverse new religious groups current in the contemporary world.

REL 323. New Age Religion, 2 hours, Spring as needed

Survey of New Age and Millennial Movements active in the contemporary world.

REL 324. Islam, 3 hours, Spring as needed

A comprehensive examination of the faith and practice of Muslims.

REL 329. Denominations in America, 3 hours, Spring

Introduction to the origins, distinctive beliefs, and influence of selected denominations in America.

REL 339. History of Christianity, 3 hours, Fall

Survey of the development of Christianity since the first century. Same as HIST 357.

REL 347. Sermon Preparation and Delivery, 3 hours, As needed

Study of the principles of preparing and delivering sermons. Students write, deliver, and analyze sermons. **Prerequisite: COMM 135 or instructor's consent.**

REL 352. Baptist Stories, 1 hour, As needed

Study of persons who have made significant contributions to Baptist life and thought such as C. H. Spurgeon, Annie Armstrong, Martin Luther King, Jr. and T. B. Maston. Does not meet Baptist Studies requirement.

REL 354. Baptists in the South, 1 hour, As needed

Exploration of various aspects of Southern Baptist life. Does not meet Baptist Studies requirement.

REL 355. History of the Baptist People, 3 hours, Fall

Baptist beginnings and development.

REL 357. Tutorial in Baptist Research I, 3 hours, Fall

Guided reading and writing program for Oxford Studies minors in preparation for residency at Regents Park College of Oxford University, England. See faculty advisor.

REL 358. Tutorial in Baptist Research II, 3 hours, Spring

Guided reading and writing program for Oxford Studies minors in preparation for residency at Regents Park College of Oxford University, England. See faculty advisor.

REL 359. Readings in British and Baptist Life, 3 hours, As needed

Students in the Oxford Studies minor are provided a readings list of books on: British history, Baptist life and thought, and British Baptist history. Students are required to write reviews on each book to use as background for their study during the year.

REL 361. Introduction to Systematic Theology, 3 hours, Once every 2-3 years

Review of a systematic selection of theological issues designed to prepare students for further study.

REL 362. Readings in Christian Theology, 3 hours, Once every 2-3 years

Classics of Christian theological literature.

REL 400. Teaching Assistantship, 1-3 hours, Fall, Spring

Teaching assistantship for majors by departmental invitation. May involve some class presentations. Does not meet ministry studies requirement. Maximum of 6 hours credit.

REL 402. Philosophy of Religion, 3 hours, Spring

Surveys the engagement of philosophy with religion, with focus upon religious experience, "proofs" of God's existence, religious language, miracles, life after death, and associated topics. **Prerequisites: PHIL 101 or 102 or instructor's consent.** Same as PHIL 402. Meets Theological Studies requirement for Religion majors.

REL 404. Nonwestern Religious Thought, 3 hours, Once every 2-3 years

Examines the conceptual component in various Eastern religions. The student will read extensively from the sacred writings of these religions and seek to formulate the principles which are basic to them. Comparative studies will be encouraged. **Prerequisite: PHIL 101 or 102 or instructor's consent.** Same as PHIL 404.

REL 411. Parables of Jesus, 3 hours, As needed

Exegetical and theological study of the parables in the Gospels. **Prerequisite: REL 102 or instructor's consent.**

REL 412. Luke-Acts, 3 hours, As needed

Exegetical, theological, and narrative exploration of the Gospel of Luke and the Acts of the Apostles. **Prerequisite: REL 102 or instructor's consent.**

REL 415. Old Testament Prophets, 3 hours, Fall

Ancient Israelite prophecy from its beginnings.

REL 416. Woman and Biblical Tradition, 3 hours, As needed

Biblical concepts of woman and study of some individual women in the Bible.

REL 417. Pentateuch, 3 hours, As needed

Study of the first five books of the Old Testament (Genesis, Exodus, Leviticus, Numbers, Deuteronomy) with special attention to the literary and historical context. **Prerequisite: REL 101 or instructor's consent.**

REL 420. Archaeology of Palestine, 3 hours, As needed

Introduction to the methods and results of the excavation of ancient sites in the land of Palestine and its neighbors. Suggested for students desiring to participate in Carson-Newman College's archaeological dig in Jordan. **Prerequisite: REL 101 or instructor's consent.**

REL 422. Archaeological Field Experience, 3-6 hours, Summer as needed

Field experience as a volunteer worker on an archaeological dig team in the Middle East (e.g., southern Jordan; see www.vkrp.org) combining academic preparation with on-site lectures and journaling during the excavation itself. REL 420 strongly recommended but not required.

REL 423. Travel Seminar in the Land of the Bible, 3 hours, Spring, Summer as needed

Study seminar in the lands of the Bible combining both academic preparation and follow-up as well as on-site lectures and journaling during the travel. REL 101 and REL 102 are recommended but not required. Additional course fees. Air fare not included in course fees.

REL 427. Religion and Film, 3 hours, Offered periodically

Study of the role of film in religion with emphasis on how religion is viewed in film, as well as the methodologies and issues of religious beliefs and Christian theology as they are depicted in the popular cinema. Course may be repeated with change of content. Same as FILM 427.

REL 433. American Religious History, 3 hours, Spring

Examination of the relationship of religion to the nation's history and culture. A particular emphasis will be placed on themes and movements that transcend denominational movements.

REL 437. Woman in Christian History, 3 hours, Spring odd years

Survey of the roles and concepts of women in Christian history as well as their contributions to Christianity.

REL 438. The Reformation: Protestant and Catholic, 3 hours, Spring even years

Background, course, effects of the reformation. Same as HIST 434.

REL 441. *Love, 1 hour, Spring

Module course exploring the emotional and spiritual dimensions of love.

REL 442. *Grief, 1 hour, Spring

Module course exploring the emotional and spiritual dimensions of grief.

REL 443. *Anger, 1 hour, Spring

Module course exploring the emotional and spiritual dimensions of anger.

REL 444. *Guilt, 1 hour, Fall

Module course exploring the emotional and spiritual dimensions of guilt.

REL 445. *Self Esteem, 1 hour, Fall

Module course exploring the emotional and spiritual dimensions of self esteem.

REL 446. *In Search of Yourself, 1-3 hours, Fall

Enables students to develop a greater self-awareness. Students will create a number of projects which will include a genogram, a spiritual autobiography, and a spiritual assessment. Other assessment tools may be used.

REL 449. *Introduction to Pastoral Theology and Care, 3 hours, Spring odd years

Introduces students to the theologies and practices that inform the discipline of pastoral and spiritual care. Particular attention will be given to the theories connected to the modern, twentieth century pastoral care movement. The course will also explore specific human needs addressed by the discipline of pastoral care, such as death, illness, trauma, and transitional rites of passage.

*Graduate students will also be enrolled in these courses.

REL 450. Discovering the Mission of God, 3 hours, Fall odd years

Introduction to the biblical, historical, and philosophical understanding of the redemptive activity of God in the world.

REL 452. Cross-Cultural Experience and World Awareness, 3 hours, Summer

Preparation for a cross-cultural immersion experience within the United States or abroad that offers the student opportunity to engage in mission praxis, reflection, and service.

REL 453. A History of the Church on Mission with God, 3 hours, Fall even years

Examination of God's mission to establish the church among all the peoples of the earth from the first century to the twenty-first century.

REL 454. Topics in Missions, 3 hours, Summer

Study of mission models and trends that assist in formulating a strategy of life mission congruent with vocation and geography.

REL 459. Oxford Residency in Baptist Research, 6 hours, Trinity term (approximately the end of April to the end of June)

Eight weeks residency engaging in research and writing under an English Baptist tutor at Regents Park College, Oxford University, England. See faculty advisor.

REL 469. Senior Seminar, 3 hours, Fall

For junior and senior Religion majors. Overview of biblical traditions, hermeneutical and theological methodologies, key concepts and seminal thinkers throughout Christian history. Includes theological reflection and personal vocational assessment. Prerequisites: **junior/senior standing**. S/F grading.

Sociology (SOC)

SOC 101. Introduction to Sociology, 3 hours, Fall, Spring, Summer

Basic concepts, theories and research necessary for an understanding of American society and how it is changing.

SOC 102. Introduction to Human Services, 3 hours, Spring

Survey of the major types of human service agencies and occupations, and fundamental concepts in developing helping relationships with clients. **Prerequisite: SOC 101.**

SOC 105. Social Problems, 3 hours, Fall, Spring

The major social problems facing American society, and various explanations of their causes and remedies.

SOC 201. Introduction to Cultural Anthropology, 3 hours, Spring even years

A study of the various forms of human cultures found in pre-industrial societies around the world, focusing on the underlying political, social, religious, and economic similarities of societies with similar subsistence patterns. The processes of cultural change and inter-cultural conflict are also examined.

SOC 202. Human Services Practice, Theory and Skills, 3 hours, Fall

This course will develop interviewing and interpersonal skills necessary in a professional, helping setting.

SOC 203. Statistical Concepts and Methods I, 3 hours, Fall, Spring, Summer

Basic statistical concepts including populations, samples, analysis and inference. One and two dimensional discrete and random variables. Applications of normal, t, chi square, F and binomial random variables. R statistical software. Same as MATH 201 and PSY 203. **Prerequisites: Strong algebra background evidenced by math ACT 21 (math SAT 530) or MATH 106, 120, or 125.** Students enrolling in a lecture section must also enroll in the corresponding lab section.

SOC 204. Introduction to Sociological Research, 3 hours, Fall

The use of scientific methods in the study of society. Students participate in collecting data and in the statistical analysis of data using the computer.

SOC 205. Sociology of Community, 3 hours, Fall even years

Conceptualization and evolution of community with a focus on the nature and types of communities in modern society.

SOC 206. Poverty and Homelessness, 2-4 hours, Summer

Examination of the causes of poverty with an emphasis on the recent increase in homelessness. A major component of this course involves fieldwork at a homeless shelter.

SOC 207. American Minority Groups, 3 hours, Spring even years

Background, causes and results of racial and ethnic conflicts; contributions to American life.

SOC 208. Introduction to Criminology, 3 hours, Summer

A structured, independent study and seminar course which introduces the student to the fields of criminology and criminal justice. Special attention will be given to theories of law making, law breaking, and public reactions to crime.

SOC 209. Internship in Human Services, 1-3 hours, Fall, Spring, Summer

Supervised work experience in an approved human services agency. Requires departmental approval. May be repeated to a maximum of 3 hours. S/F grading. **Prerequisite: SOC 102.**

SOC 250. Society and the Individual, 3 hours

See HONORS PROGRAM.

SOC 301. Social Psychology, 3 hours, Fall, Spring

Social factors influencing the thoughts and behavior of the individual. Same as PSY 301.

SOC 302. Sociology and the Christian Faith, 3 hours, Summer

An independent readings course in which the student will be exposed to issues concerning the relationship between society and the Christian faith: the subtle influence of a society's culture upon the Church and role of Christians in changing society.

SOC 303. Social Welfare Policy, 3 hours, Fall

Examines issues of equality and discrimination via the historical, economic and political dimensions of social programs.

SOC 305. Urban Sociology, 3 hours, Fall odd years

Examines the historical development of modern cities and the contemporary social problems they engender.

SOC 309. Marriage and Family, 3 hours, Offered periodically

The family as a social institution and its impact on the life cycle with attention to sex roles, socialization and interactional problems.

SOC 311. Environmental Sociology, 3 hours, Summer

A structured, independent study introducing the student to the sociological perspective of environmental issues, especially values and practices. The student will choose a specific area of study and the instructor will assign appropriate readings.

SOC 312. Sociology of Religion, 3 hours, Spring odd years

An examination of the social context in which religion is formed and lived out. Attention will be given to religious pluralism and cross-cultural contact as well as concepts such as secularization, social change, and the development of religious expressions both new and old.

SOC 317. School, Community, and Society, 2 hours, Fall, Spring

Designed to help prospective teachers, parents and community members understand the relationships that exist among the students, school, home, and community. The content will focus on community value systems, communication strategies, and power structures that impact the classroom. Areas of concern will include racial, gender, ethnic, religious, cultural and general health issues, as well as government legislation, programs, and practices.

SOC 321. Native Americans of the Great Plains, 3-4 hours, Summer

An independent readings course which examines the lifestyles, customs, and fate of the 19th century Native American tribes of the Great Plains region.

SOC 323. Topics in Sociology, 1-3 hours, Spring periodically

Topics vary with student and faculty interest and may include social theory, deviance, third world studies, racial issues, and others. Faculty will develop a set of assignments appropriate to the topic.

SOC 400. Teaching Assistantship, 1 hour, Fall, Spring

Sociology or Human Services majors assist with grading, instruction, and/or research. Student must have at least a 3.0 GPA and have completed at least 9 hours in Sociology. May be repeated to a maximum of 3 hours. S/F grading.

SOC 401. Family Violence, 3 hours, Fall

The causes, prevention and treatment of husband-wife violence, child abuse and neglect, incest, runaways and suicide.

SOC 402. People and Problems of the Third World, 3 hours, Spring odd years

Study of the people in the underdeveloped nations of South America, Africa and Asia and problems of overpopulation, starvation, human rights, poverty, ecological destruction and socio-economic development.

SOC 405. Social Theory, 3 hours, Fall

Examines the historical development of major themes and theoretical perspectives in the study of society; includes the major writings of Durkeim, Weber, Marx and others. **Prerequisite: SOC 101.**

SOC 406. Cross-Cultural Field Experience, 3 hours, Fall, Summer

Work with an organization or mission which serves people of different cultural backgrounds, in either a U.S. or foreign setting. For example, urban missions, foreign missions, Indian reservations, rural community development projects, HEART, etc. S/F grading. **Prerequisite: 15 semester hours in the major.**

SOC 409. Human Services Field Experience, 3 hours, Fall, Spring, Summer

Application of social theory and the acquisition of basic skills through work in a human service agency under the supervision of professionals. One hundred fifteen hours of on-site work required. One hour per week classroom meeting. S/F grading. Repeatable to 6 hours credit. **Requires departmental approval. Prerequisite: SOC 102.**

SOC 410. Cross-Cultural Communication Practicum, 1 hour, Fall, Spring

This course is designed for American students who would like to interact with international students 1-2 hours per week. The two goals of this course are to provide international students with help in adjusting to American life and language and to provide American students with a cross-cultural experience on the Carson-Newman campus. May be repeated, 3 hours maximum. **Prerequisites: junior standing, SOC 101.**

SOC 416. Policy and Practices in Health Care Settings, 2 hours, Spring odd years

This course prepares students to practice social work in a health care setting. Students will learn policies within the American health care system and skills necessary to work within it.

SOC 417. Gerontology, 3 hours, Spring even years

Examination of the physical, social, and psychological aspects of the aging process. In-depth look at stereotypes, theories, demographics, and ways to age successfully. Same as PSY 407.

SOC 427. Sociology and Film, 3 hours, Offered periodically

This course will examine key social issues through documentary and popular films. Course may be repeated with change of content. Same as FILM 427.

SOC 441. Seminar in Sociology, 2 hours, Spring

An overview of key concepts in sociological research and theory. Senior Capstone Course in sociology. **Prerequisite: at least 21 sociology hours.**

SOC 442. Seminar in Human Services, 2 hours, Spring

An overview of key concepts and skills in human services professions. Senior Capstone Course in human services. **Prerequisite: at least 21 sociology hours.**

Spanish (SPAN)

SPAN 101. Elementary Spanish I, 3 hours, Fall

Introduction of the sound system of Spanish and correlation of sounds to written symbols. Vocabulary acquisition and use of common verbs in the present tense. Stem changes in verbs in the present tense. **Prerequisite: Placement Exam. Nominal fee.**

SPAN 102. Elementary Spanish II, 3 hours, Spring

Expressing actions in past time. Increased emphasis on writing and reading in Spanish. Direct and indirect object pronouns. **Prerequisite: SPAN 101 or placement by exam. Nominal fee.**

SPAN 201. Intermediate Spanish I, 3 hours, Fall, Summer upon sufficient student request

Continuation of skill development from 102. Polite commands. Introduction to the subjunctive. **Prerequisite: SPAN 102 or placement by exam. Nominal fee.**

SPAN 202. Intermediate Spanish II, 3 hours, Spring, Summer upon sufficient student request

Reading for context and oral/written presentation of information. Familiar commands. Future tense. Use of the subjunctive mood in present and past time contexts. **Prerequisite: SPAN 201 or placement by exam. Nominal fee.**

SPAN 301. Advanced Written Expression, 3 hours, Fall

Grammar review, composition, and conversation. Required of majors and minors. Prerequisite for all 300- and 400-level courses. **Prerequisite: SPAN 202 or placement by exam.** Taught in Spanish. *Nominal fee.*

SPAN 303. Roman Empire to Holy Roman Empire, 3 hours, Offered as needed

Survey of the history and civilization of Spain from its beginnings to the 18th century. Includes a survey of artistic and literary movements. **Prerequisites: SPAN 301 and 310, or by departmental invitation.** Taught in Spanish. *Nominal fee.*

SPAN 304. Fall of Empire, Rise of Democracy, 3 hours, Offered as needed

Survey of the history and civilization of Spain from the 19th century to the present. Includes a survey of artistic and literary movements. **Prerequisites: SPAN 301 and 310, or by departmental invitation.** Taught in Spanish. *Nominal fee.*

SPAN 305. Civilization and Culture of Latin America I, 3 hours, Offered as needed

Survey of the history and civilization of Latin America from Pre-Columbian times to the 19th century. Includes a survey of artistic and literary movements. **Prerequisites: SPAN 301 and 310, or by departmental invitation.** Taught in Spanish. *Nominal fee.*

SPAN 306. Civilization and Culture of Latin America II, 3 hours, Offered as needed

Survey of the history and civilization of Latin America of the 20th century and the present including Hispanics in the U.S.A. Includes a survey of artistic and literary movements. **Prerequisites: SPAN 301 and 310, or by departmental invitation.** Taught in Spanish. *Nominal fee.*

SPAN 309. Foreign Study/Travel/Language Missions Experience, 1-3 hours, Offered as needed

Cultural and linguistic enrichment through travel/study/missions immersion programs that do not offer credit in themselves. **This course must be approved and a syllabus prepared before the experience.** This course counts toward majors and minors but not toward liberal arts core requirements. S/F grading. **Prerequisites: SPAN 301 and 310.** Taught in Spanish. *Nominal fee.*

SPAN 310. Advanced Oral Expression, 3 hours, Fall

Practice in pronunciation, conversation, and composition. Required of all majors and minors. **Prerequisite: SPAN 301.** Taught in Spanish. *Nominal fee.*

SPAN 317. Spanish in Community Service and Missions, 1-3 hours, Offered as needed

Practical use of Spanish in service to the local Hispanic community. This immersion practicum will be conducted in conjunction with social and mission outreach programs and can include such activities as interpreting/ translating in public schools and churches, interviewing Hispanics to assess needs, and acting as liaison and interpreter between Hispanic and medical and social agencies. May be repeated for a maximum of 3 hours. Carried out in Spanish. **Prerequisites: SPAN 301 and 310.** *Nominal fee.*

SPAN 322. Selected Readings of Peninsular Literature, 3 hours, Offered as needed

Students will develop strategies for the reading and interpretation of literary texts with the study of selected landmark works from the literature of Spain. **Prerequisites:** SPAN 301 and 310. Taught in Spanish. *Nominal fee.*

SPAN 323. Selected Readings of Latin America, 3 hours, Offered as needed

Students will develop strategies for the reading and interpretation of literary texts with the study of selected landmark works from Latin American literature. **Prerequisites:** SPAN 301 and 310. Taught in Spanish. *Nominal fee.*

SPAN 330. Religion and (In)Tolerance in Spanish Literature, 3 hours, Offered as needed

This course will focus on the topic of religion and tolerance/intolerance as depicted in Spanish literature from the Middle Ages (a time of unusual religious diversity and tolerance in Spain) to the present day. **Prerequisites:** SPAN 301 and 310. Taught in Spanish. *Nominal fee.*

SPAN 340. Mujeres al borde: Women and Feminism in Contemporary Spanish Literature and Film, 3 hours, Offered as needed

This course will focus on women and feminism in contemporary Spanish literature and film. It will examine the depiction of women as subject and object in both literature and film, through the lens of feminist critical theory. **Prerequisites:** SPAN 301 and 310. Taught in English/Spanish. *Nominal fee.*

SPAN 400. Teaching Assistantship, 1-3 hours, Offered as needed

By prior arrangement and departmental invitation only. Includes classroom experience and work in comparative methodologies. Designed for the student considering a language teaching career. Does not replace student teaching or EDUC 434. Does not count as 400-level requirement in major or minor. Carried out in Spanish. S/F grading only. **Prerequisites:** SPAN 301 and 310.

SPAN 415. Special Topics in Spanish, 3 hours, Offered as needed

Sample topics: Texts in the context of their socio-cultural importance or under the umbrella of a specific theme or time period, including literatura de protesta, literatura medieval, el Premio Nobel; the Bible in Spanish; history and structure of the language. May be repeated with different topics. **Prerequisites:** SPAN 301, 310, and 6 hours of literature and/or culture. Taught in Spanish. May be repeated with different topics. *Nominal fee.*

SPAN 420. Advanced Seminar in Spanish, 3 hours, Offered as needed

In-depth study of a group or a specific author or literary movement in Peninsular or Latin American literature. The student will learn to apply critical theories and research methods to literary analysis. This course will serve as the liberal arts capstone course for the Spanish major. **Prerequisites:** SPAN 301, 310, and 6 hours of literature and/or culture. Taught in Spanish. May be repeated with different topics. *Nominal fee.*

Special Education (SPED)

SPED 201. American Sign Language I, 3 hours, Fall

This course will give the student a basic understanding of American Sign Language and introduction of Deaf culture. The focus will be on development of both expressive and receptive skills.

SPED 311. American Sign Language II, 3 hours, Spring

Continuation of SPED 201. **Prerequisite:** SPED 201.

SPED 312. Transition and Vocation Education, 3 hours, Spring

This course begins with an overview and study of the opportunities and challenges for students, families, and schools in the transition process and the study of needs, services, and programs for persons with disabilities through the lifespan. **Prerequisite:** SPED 313.

SPED 313. Survey of Persons with Exceptionalities, 3 hours, Fall, Spring, Summer

A survey of exceptionalities across the life span including intellectual, language, speech, auditory, visual, behavioral, neurological, and physical impairments. This course is a prerequisite for all SPED courses, except SPED 201 and 311. Practicum required.

SPED 315. Language Development, 3 hours, Fall

A study of normal language development as well as abnormal patterns through the lifespan. **Prerequisite:** SPED 313.

SPED 318. Techniques for the Inclusion of Diverse Learners, 3 hours, Fall, Spring

Designed to help equip teachers with the skills, strategies, and dispositions to teach so that all children from diverse cultural backgrounds can learn within the context of the regular classroom, with special emphasis upon the needs of students with disabilities and English Language Learners. Practicum required. **Prerequisite:** SPED 313.

SPED 404. Assessment and Diagnosis of Persons with Exceptionalities, 3 hours, Fall

Assessment and diagnosis of exceptional learners. **Prerequisite:** SPED 313.

SPED 408. Gifted and Talented Learners, 3 hours, Fall

Definitions, characteristics, and identification of gifted and talented learners. Practicum required. **Prerequisite:** SPED 313.

SPED 409. Methods and Materials for Gifted and Talented, 3 hours, Spring

Analysis and comparison of curriculum models, teaching strategies, programs, methods and materials for intellectually gifted and talented students. Practicum required. **Prerequisite: SPED 408.**

SPED 415. Strategies and Programs for Students with Mild/Moderate Disabilities, 3 hours, Fall

This course includes an examination of current programs, materials, and strategies for teaching students with mild and moderate disabilities in a continuum of placements. Practicum required. **Prerequisites: Admission to Teacher Education Program, EDUC 314 and 341, SPED 318 and 416.**

SPED 416. Characteristics/Needs of Mildly/Moderately Disabled, 3 hours, Spring

This course covers the historical and social perceptions, characteristics, needs, psychological and educational considerations, and identification of students with mild and moderate disabilities. Practicum required. **Prerequisites: SPED 313.**

SPED 417. Characteristics/Needs of Low Incidence Disabilities, 3 hours, Spring

This course provides an understanding of the learning and behavioral characteristics of students with severe and multiple disabilities, including students with autism and related developmental disorders. The personal, educational, and social needs of these individuals with low incidence disabilities will be highlighted. Practicum required. **Prerequisites: SPED 313.**

SPED 418. Strategies/Programs for Students with Low Incidence Disabilities, 3 hours, Fall

This course provides an understanding of the instructional strategies for students with severe and multiple disabilities, including students with autism and related developmental disorders. The educational implications for individuals will be highlighted, including implications for the selection of appropriate goals and objectives. The course will also cover empirically-validated strategies for teaching students with severe and multiple disabilities. Emphasis will be given to a consideration of the basic principles of learning that underlie effective instructional strategies and how to structure the environment to promote learning. Practicum required. **Prerequisites: Admission to Teacher Education Program, EDUC 314 and 341, SPED 318 and 417.**

SPED 419. Supervised Student Teaching in Special Education, 3 hours, Fall, Spring

Ninety (90) clock hours in a special education classroom under professional supervision. Open only to students adding special education endorsements to another licensure.

SPED 463. Seminar in Student Teaching, 2 hours, Fall, Spring

This course is designed as the capstone experience for the teacher education program and the student teaching experience. Student teachers will reflect upon and analyze the experiences they are having in the classrooms to which they are assigned, and they will refine skills for entering the teaching profession. All PRAXIS II exams required for licensure must be completed before a passing grade will be assigned for the course. Successful completion of this course is a requirement for the completion of all licensure programs. **Corequisites: SPED 465 and 467. Prerequisites: Admission to the Teacher Education Program and Student Teaching Semester.**

SPED 465. Student Teaching: Placement One, 5 hours, Fall, Spring

Observation, participation, and teaching under professional supervision. **Corequisites: SPED 463 and 467. Prerequisites: Admission to the Teacher Education Program and Student Teaching Semester. \$100 fee.**

SPED 467. Student Teaching Placement Two, 5 hours, Fall, Spring

Observation, participation, and teaching under professional supervision. **Corequisite: SPED 463 and 465. Prerequisites: Admission to the Teacher Education Program and Student Teaching Semester. \$100 fee.**

Theatre (TH)

TH 101A, 301A. Theatre Practicum, 1 hour each semester, Fall, Spring

Participation in a major theatrical production in either acting or technical aspects, depending on the decisions of the director. 101 may be repeated for up to 2 hours credit; 301 is repeatable up to 6 hours.

TH 110. Introduction to Theatre, 3 hours, Fall

A survey of the theatre and its history designed to build awareness and appreciation of the art form. To include a study of major production/performance styles.

TH 212. Voice and Physical Preparation, 3 hours, Spring odd years

Study in the fundamentals of vocal production and movement for the stage.

TH 213. Special Topics in Theatre, 1-3 hour, Taught as needed

Presentation/laboratory experiences on a single drama related topic. Subject matter will change each semester and the course may be repeated for different topics. Repeatable to a maximum of 6 hours.

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TH 214. Basic Acting, 3 hours, Spring

Study of the techniques of characterization, mood, stage movement, voice and interpretation for the stage. Public performances.

TH 218. Scenery Construction and Lighting, 3 hours, Fall even years

Study of the fundamentals and techniques in scenery construction and lighting implementation.

TH 219. Costume Construction and Makeup, 3 hours, Fall odd years

Study of the basic application of stage, character, and special effects makeup and costume construction.

TH 310. Play Directing, 3 hours, Fall even years

Study of the role of the director including preparation, selection, casting, staging and rehearsal of performance material. Students will direct scenes.

Prerequisite: TH 214 or instructor's consent.

TH 321. Scenography, 3 hours, Spring even years

The study of the theory and practice of design in relation to stage production.

TH 410. Production Development, 3 hours, Fall odd years

Advanced study in directing, design and theatre management through practical application. Emphasis is placed on leadership and collaboration in development of a theatrical production. **Prerequisites: TH 310 or 321 or instructor's consent.**

TH 416. Advanced Acting, 3 hours, Spring odd years

Study of advanced acting styles, theories and techniques with emphasis on personal and psychological development of the actor. **Prerequisite: TH 214 or instructor's consent.**

TH 419-420. Senior Theatre Research/Project I, II, 1 hour, 2 hours, Fall, Spring

Two semester sequence courses in the research, preparation, rehearsal and performance of an original or published full-length production.

TH 466. Theatre Internship, 1-6 hours, Fall, Spring, Summer

Supervised experience with a professional, community, or educational theatre; must be approved by supervising faculty member. Guidelines may be obtained from the department. A total of 6 hours of internship credit may be taken in increments or 6 hours all at once. **Prerequisite: Listed in guidelines.**

Definitions of Academic Terms

Academic Calendar	The system in which the school year operates which includes a fall and a spring semester and several accelerated summer terms. Traditional undergraduate programs are based on two 16 week semesters.
Academic Year	The traditional undergraduate program is 32 weeks and completion of a minimum of 24 semester credit hours for a full time student..
Add/Drop	The procedure through which students make a change in their schedule of classes by adding or dropping a course.
Advanced Placement	Credit for coursework based on required scores on the Advanced Placement Examination offered by the CEEB. College departments determine acceptable scores for awarding credit.
Advisor	A faculty member who meets with students to discuss curriculum choices and reviews progress toward attaining academic goals.
Attempted Hours	Course credits for which a student has been enrolled and received a grade.
Audit	Enrolling in a course without receiving credit.
Baccalaureate	A term relating to a bachelor's degree.
C-N Connect	A web-based module in which a student can access academic and financial records through a secured password.
Class Schedule	A listing of courses for a particular term in which a student is enrolled.
Class Standing	The numeric position of a student in a defined population (same as class rank).
Classification	A measure of progress toward degree completion based on total number of credit hours earned.
CLEP Test	Subject area examination administered by the College Entrance Examination Board.
Course Load	The total number of credit hours taken during a term. Students must complete an average of 16 hours per term to progress toward degree completion in 8 semesters.
Course Number	A number that identifies a specific course.
Course Title	The descriptive name of a course.
Credit	The number of credits assigned to course based on educational outcomes.
Credit by Exam	A procedure by which a student may receive credit by successfully demonstrating proficiency in a subject by passing a comprehensive exam covering course content.
Credit Hour	A credit is a unit of coursework represented by attainment of educational goals measured by learning outcomes.
Cumulative Hours	A sum of all credits earned, including transfer credits and all work taken at Carson-Newman.
Curriculum	The set of courses offered in a degree program. The plural form is curricula.
Degree Credit Hour	Any semester hour of credit that counts toward an institutional degree.
Degree Plan	A document outlining completion of credits earned and intention of completing remaining requirements for graduation to be submitted to the registrar for review and approval during the semester in which a student earns 96 hours.
Department	An organizational unit which offers instruction in a particular curriculum area.
Dismissal, Academic	A status in which the student is ineligible for further enrollment at Carson-Newman College.
Drop/Add	The procedure through which students make a change in their schedule of classes by dropping or adding a course.
Early Registration	The process of enrolling in classes before the beginning of the next term.
Elective	A course selected by the student which may or may not meet degree requirements.
Enrollment Confirmation	The process by which a student confirms their intention to enroll for the semester by paying their tuition and fees and signing a promissory note with the student accounts office.
Fee	A charge for special items or services not included in tuition.
Full Time Student	One enrolled for 12 or more undergraduate hours.

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Good Standing	A status indicating that the student meets academic progression standards and is eligible to continue enrollment or to transfer elsewhere.
Grade Point Average	A measure of the student's academic performance. Computed by dividing the sum of grade points by the total attempted hours less hours which have grades of P, S. The Carson-Newman GPA includes only credit attempted at Carson-Newman. The cumulative GPA is determined by transferable coursework attempted at all institutions, including Carson-Newman.
Grade Points	Numerical values assigned to grades, A=4, B=3, C=2, D=1, F=0.
Honors Course	A course that limits enrollment to students participating in the Honors Program.
Incomplete Grade	A grade of "I" assigned by instructor due to unavoidable delay, usually illness. Counts as F in GPA computation until satisfactorily removed.
Independent Study	A course or program of study with topics chosen by the instructor and approved by the department chair and associate provost.
International Baccalaureate	Curriculum of six subject groups with examinations administered by the International Baccalaureate Organization which may carry transferable credit to Carson-Newman.
Legitimate Educational Interest	The need for information by a faculty member of school official to perform an administrative duty or task in order to fulfill their responsibility for the college. Disclosure of such information is limited to that which is necessary for the faculty member or school official to fulfill those responsibilities.
Liberal Arts Core	A common curriculum that provides students with a broad base of knowledge, Christian values, and skills that form the basis for developing important personal, intellectual, civic, cultural, and practical capacities.
Major	A chosen field of study.
Minor	A secondary field of study requiring less hours than a major.
Part Time Student	One carrying less than 12 undergraduate hours or 9 graduate hours during a semester.
Prerequisite	A condition, status, requirement or course that must be satisfied before a course can be taken.
Plagiarism	Using the intellectual property of someone else without citing proper credit or by misrepresentation of the work as original. Plagiarism is classified as academic dishonesty and is punishable as such.
Probation (Academic)	An academic status resulting from unsatisfactory academic performance when a student's GPA is less than the minimum standard academic progression requirement for good standing.
Probation (Disciplinary)	A status resulting from unsatisfactory conduct apart from academic performance.
Proficiency Exam	See credit by exam.
Program	An interdisciplinary set of prescribed courses required to earn a bachelor's degree.
Registration	The procedure by which students enroll.
Schedule of Classes	Information containing course and section offerings for a give term. If is found on C-N Connect and the Registrar's web page.
School Year	See calendar.
Section	A division of a course between one or more instructors but with the same subject matter.
Semester Hour	See Credit Hour.
Standing (Academic)	A student's status based on academic performance, i.e., good standing, academic probation, suspension or dismissal.
Suspension	A status in which the student is not allowed to continue enrollment at Carson-Newman College for a specific period of time.
Term	A calendar unit, applicable to summer sessions, of shorter duration than a semester.
Transcript	A copy of the student's permanent academic record. The record becomes official when the seal of the college is affixed and signed by the Registrar.
Tuition	The amount of money charged each semester or term for instructional purposes.
Withdrawal	The termination of a student's attendance in a class or all classes before the end of a semester. A student may voluntarily withdraw or an administrative withdrawal will be processed when the student discontinues class attendance before the end of the term.

ABBREVIATIONS

AS	Aerospace Studies
ASE	Academic Skills Enhancement
ACCT	Accounting
ART	Art
BIOL	Biology
BAD	Business Administration
CHEM	Chemistry
CFS	Child and Family Studies
CGE	Center for Global Education
COMM	Communication Studies
CIS	Computer Information Systems
CS	Consumer Services
CSC	Computer Science
DRED	Driver Education
ECON	Economics
EDUC	Education
ELI	English Language Institute
ENDR	Engineering Drawing
ENG	English
ESL	English as a Second Language
EXSC	Exercise Science
FCS	Family and Consumer Sciences
FCSE	Family and Consumer Science Education
FMD	Fashion Merchandising and Design
FN	Foods and Nutrition
GEOG	Geography
GEOL	Geology
GER	German
GRK	Greek
HLTH	Health
HEB	Hebrew
HIST	History
HON	Honors
HUM	Humanities
ID	Interdisciplinary
INTD	Interior Design
MGT	Management
MATH	Mathematics
MILS	Military Science
MUS	Music
NURS	Nursing
PHIL	Philosophy
PE	Physical Education
PHYS	Physics
PSC	Political Science
PSY	Psychology
REC	Recreation
REL	Religion
SOC	Sociology
SPAN	Spanish
SPED	Special Education
TESL	Teaching English as a Second Language
TH	Theatre

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Richard C. Pettigrew	1968
Robert M. Burts	1969
Sherman B. Vanaman	1970
William L. Blevins	1971
Ben F. Philbeck	1972
Joe A. Chapman	1973
Walter B. Shurden	1974
Howard Chitwood	1975
R. R. Turner	1976
Ben L. Sloan	1977
Martha B. Wilson	1978
Jeff Daniel Marion	1979
Paul D. Brewer	1980
Charles H. Jones	1981
Verner T. Hansen	1982
Louis O. Ball	1983
Carolyn D. Blevins	1984
Carey R. Herring	1985
Joe W. Sloan	1986
Donald W. Garner	1987
Truett C. Patterson	1988
M. B. Fletcher	1989
Frank H. Pinkerton	1990
James L. Baumgardner	1991
Don H. Olive	1992
Gerald C. Wood	1993
John Lee Welton	1994
Kitty R. Coffey	1995
Robert M. Shurden	1996
Ellen M. Millsaps	1997
Edward T. Freels, Jr.	1998
Charles G. Moffat	1999
Patsy W. Boyce	2000
James A. Coppock	2001
Sharon T. Teets	2002
Eric A. Thorson	2003
Mark A. Heinrich	2004
Thomas B. Milligan, Jr.	2005
Phyllis N. Driver	2006
Ernest D. Lee, Jr.	2007
D. Ann Jones	2008
Stephen R. Karr	2009
G. Laurence Osborne	2010
Ross Brummett	2011
D. Brian Austin	2012

EMERITI

The second date in parentheses indicates the year of retirement from the college.

Louis O. Ball, Professor Emeritus of Music (1961-1996)
David Barger, Athletic Director Emeritus (1980-2012)
Chester F. Bergman, Associate Professor Emeritus of Education (1970-1989)
Carolyn Blevins, Associate Professor Emerita of Religion (1977-2006)
William L. Blevins, Professor Emeritus of Counseling (1966-2011)
Imogene B. Brewer, Associate Professor Emerita of Library Services, Catalog Librarian (1965-1993)
Paul D. Brewer, Professor Emeritus of Philosophy and Religion (1958-1995)
Bernard Bull, Professor Emeritus of Education (1972-2007)
John W. Burton, Professor Emeritus of Physics (1964-2002)
Denver R. Childress, Professor Emeritus of Mathematics (1967-2001)
Howard Chitwood, Professor Emeritus of Mathematics (1957-1995)
R. Earl Cleveland, Professor Emeritus of Art (1964-1994)
Jim Coppock, Associate Professor Emeritus of Management (1961-1964 and 1969-2006)
Louise D. Dickenson, Associate Professor Emerita of French (1959-1989)
Phyllis Driver, Associate Professor Emerita of Accounting (1978-2007)
Lynda M. Dunn, Associate Professor Emerita of Music (1994-2008)
M. B. Fletcher, Professor Emeritus of Psychology (1971-1994)
Edward T. Freels, Jr., Professor Emeritus of Geography and Geology (1961-2000)
Verner T. Hansen, Professor Emeritus of Mathematics (1962-1994)
Jerome P. Harper, Associate Professor Emeritus of Spanish (1967-2000)
Carey R. Herring, Professor Emeritus of Mathematics (1967-2011)
Henrietta Jenkins, Associate Professor Emerita of English (1959-1989)
J. Cordell Maddox, President Emeritus (1977-2000)
Jeff Daniel Marion, Associate Professor Emeritus of English (1966-1968, 1969-2002)
Barbara M. McDougal, Associate Professor Emerita of Home Economics (1958-1959, 1963-1994)
Mary Meighan, Assistant Professor Emerita of Nursing (1996-2004)
Ronald G. Midkiff, Professor Emeritus of International Education (1977-2000)
Ellen M. Millsaps, Professor Emerita of English (1979-2011)
Charles Moffat, Professor Emeritus of History (1969-2010)
Thomas N. O'Neal, Professor Emeritus of Physics (1967-2004)
Truett C. Patterson, Professor Emeritus of Chemistry (1964-2002)
Frank H. Pinkerton, Professor Emeritus of Chemistry (1978-2011)
James L. Pethel, Associate Professor Emeritus of Music (1962-1999)
Tippie A. Pollard, Professor Emerita of Nursing (1983-2003)
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Dorothy Scott Seymour, Professor Emerita of Nursing (1986-1994)
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Evelyn S. Simpson, Professor Emerita of Home Economics (1965-1980)
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Louise D. Snodderly, Assistant Professor Emerita of Library Services (1967-1990)
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Millicent M. Taylor, Professor Emerita of Business (1995-2011)
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John Lee Welton, Professor Emeritus of Communication Arts (1960-1997)
Martha B. Wilson, Associate Professor Emerita of Health, Physical Education, and Recreation (1965-1991)
Gerald C. Wood, Professor Emeritus of English (1971-2011)
David N. Young, Professor Emeritus of History (1962-1996)

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Carson-Newman College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate and masters degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation status of Carson-Newman College. All other inquiries regarding Carson-Newman College should be directed to Tori Knight, Director of Institutional Effectiveness; Associate Professor of Economics at tknight@cn.edu.

Associations and Agencies

In addition to the above, Carson-Newman College is accredited by and/or holds membership in the following educational associations and agencies:

- **Academy of Nutrition and Dietetics Accreditation Council for Education in Nutrition and Dietetics**
- **American Association of Colleges of Nursing**
- **American Association of Collegiate Registrars and Admissions Officers**
- **American Association of Family and Consumer Sciences Assembly of Higher Education**
- **American Association of Family and Consumer Sciences Collegiate Assembly**
- **American Association of Colleges for Teacher Education**
- **American Council on Education**
- **Appalachian College Association**
- **Associate of Christian Libraries**
- **Association of Independent Liberal Arts Colleges for Teacher Education**
- **Commission on Accreditation of Athletic Training Education**
- **Commission on Collegiate Nursing Education**
- **Conference of Southern Graduate Schools**
- **Consortium for Global Education**
- **Council for Christian Colleges and Universities**
- **Council for the Support and Advancement of Education**
- **Council of Independent Colleges**
- **International Association of Baptist Colleges and Universities**
- **National Association of Advisors for the Health Professions**
- **National Association of Schools of Art and Design**
- **National Association of Schools of Music**
- **National Association of Student Personnel Administrators**
- **National Collegiate Honors Council**
- **National Council for Accreditation of Teacher Education**
- **Southern Association of Collegiate Registrars and Admissions Officers**
- **Tennessee Association of Colleges for Teacher Education**
- **Tennessee Association of Independent Liberal Arts Colleges for Teachers Education**
- **Tennessee College Association**
- **Tennessee Conference of Graduate Schools**
- **Tennessee Independent Colleges and Universities Association**