Purpose

The purpose of this catalog is to provide a general description of Winthrop University and its various academic units and to present detailed information regarding the undergraduate curricula which are offered. Inasmuch as the educational process necessitates change, the information and educational requirements in this catalog represent a flexible program which may be altered where such alterations are thought to be in the mutual interest of the University and its students.

The provisions of the catalog do not constitute any offer of a contract which may be accepted by students through registration and enrollment in the University. The University reserves the right to change without notice any fee, provision, offering, or requirement in this catalog and to determine whether a student has satisfactorily met its requirements for admission or graduation.

Student Responsibility

All academic units establish certain academic requirements that must be met before a degree is granted. Advisers, department heads, and deans are available to help the student understand and arrange to meet these requirements, but the student is responsible for fulfilling them. If, at the end of a student’s course of study, the requirements for graduation have not been satisfied, the degree will not be granted. For this reason, it is important for each student to acquaint himself or herself with all academic requirements throughout his or her college career and to be responsible for completing all such requirements within prescribed deadlines and time limits.

Winthrop University offers equal opportunity in its employment, admissions, and educational activities.
University Calendar 2009-2010

**Fall Semester 2009**
August 21-30, Friday-Sunday
Welcome Week
8 AM, Upperclass students check into Residence Halls.

August 21, Friday
7 AM, Freshmen and Transfer Students check into Residence Halls.

August 23, Sunday
8 AM, Upperclass students check into Residence Halls.

August 24, Monday
4 PM, Opening Convocation and Blue Line
Classes begin.

August 25, Tuesday
Last day of Fall semester registration

August 28, Friday
Last day to change courses or course sections
Last day to Audit courses
Last day to elect S/U option
Last day to apply for Spring 2010 graduation without fee penalty

September 8, Tuesday
Fall Break
Residence Halls close 9 AM, Oct. 17; reopen 2 PM, Oct. 20.

September 15, Tuesday
Advising for Spring 2010 begins.

October 19-20, Monday-Tuesday
Last day to withdraw from a fall class. An N grade will be assigned. No class withdrawals will be permitted after this date except by extenuating circumstances. Last day to rescind elected S/U option.

October 21, Wednesday
Registration for Spring 2010 begins.

October 23, Friday
Last day to elect S/U option
Last day to apply for Spring 2010 graduation without fee penalty

November 4, Wednesday
Thanksgiving Holidays; offices closed Nov. 28-29.
Residence Halls close 9 AM Nov. 25, reopen 2 PM November 29.

November 25-29, Wednesday-Sunday
Final examinations

December 7, Monday
9 AM, Undergraduates check out of residence halls.

December 8, Tuesday
7 PM, Graduate Commencement

December 16, Wednesday
11 AM, Undergraduate Commencement

December 17, Thursday
6 PM, Graduates check out of residence halls.
Residence Halls close.

December 19, Saturday
6 PM, Graduates check out of residence halls.
Residence Halls close.

**Spring Semester 2010**
January 10, Sunday
8 AM, Residence Halls open.

January 11, Monday
Classes begin.

January 15, Friday
Last day of Spring semester registration
Last day to change courses or course sections
Last day to Audit courses

January 18, Monday
Martin Luther King, Jr Holiday; offices closed.

January 25, Monday
Last day to elect S/U option
Last day to apply for summer or fall 2010 graduation without fee penalty

February 1, Monday
Last day to withdraw from a spring class. An N grade will be assigned. No class withdrawals will be permitted after this date except by extenuating circumstances. Last day to rescind elected S/U option.

March 10, Wednesday
Spring Break (Offices closed March 18-19.)
Residence Halls closed 6 PM, Mar. 12; reopen 2 PM Mar. 21.

March 15-21, Monday-Sunday
Advising for Fall 2010 begins; registration for summer begins.
Registration for Fall 2010 begins.

March 24, Wednesday
Study day

April 7, Wednesday
Final examinations

April 26, Monday
9 AM, Undergraduates check out of residence halls.

April 27, Tuesday
7 PM, Graduate Commencement

April 28-May 4, Wednesday-Tuesday
11 AM, Undergraduate Commencement

May 5, Wednesday
6 PM, Graduates check out of residence halls.

May 6, Thursday
Residence Halls close.

May 8, Saturday

Please refer to the current semester’s online Schedule of Courses and winthrop.edu for updated information.
Contents

Student Rights and Regulations/ 4
Academic Regulations/ 6
Academic Programs/ 13
Degree Requirements/ 14

Degree Programs:
The College of Arts and Sciences/19
The College of Business Administration/63
The Richard W. Riley College of Education/ 76
The College of Visual and Performing Arts/ 100

University College/132
Minors/ 136
Courses of Study/ 141


**Student Rights and Regulations**

**Student Conduct Code: General Conduct Policy**

Academic institutions exist for the transmission of knowledge, the pursuit of truth, the development of students, and the general well-being of society. Free inquiry and free expression are indispensable to the attainment of these goals. As members of the academic community, students should be encouraged to develop the capacity for critical judgment and to engage in a sustained and independent search for truth.

Freedom of the individual may be defined as the right to act or speak, so long as it does not adversely affect the rights of others. Believing in this concept, Winthrop University protects freedom of action and freedom of speech for both students and employees, so long as it is not of an inflammatory or demeaning nature and does not interfere with the students’ living and study conditions and the administration of institutional affairs. It constitutes a disruptive act for any member of the University community to engage in any conduct which would substantially obstruct, interfere with or impair instruction, research, administration, authorized use of University facilities, the rights and privileges of other members of the University community, or disciplinary proceedings. Moreover, Winthrop University is committed to improving the quality of student life by promoting a diversified educational and cultural experience for all its students. Therefore, racist conduct or other acts of bigotry are not tolerated.

Rights and freedoms imply duties and responsibilities. Note should be taken that a student who exercises his or her rights as a private citizen—whether individually or as a member of a group—must assume full responsibility for his or her actions. All students and employees of the University must abide by local, state, and federal laws and with all published University policies and regulations. Violations of laws and regulations subject the perpetrator to disciplinary action by the University and/or the appropriate civil or criminal court.

Responsibility for good conduct rests with students as adult individuals. Student organizations have similar responsibility for maintaining good conduct among their members and guests and at activities they sponsor. All members of the University community are expected to use reasonable judgment in their daily campus life and to show due concern for the welfare and rights of others.

Students who violate University policies, rules, and regulations are subject to expulsion or lesser sanctions. A complete outline of obligations and the disciplinary process is contained in the Student Conduct Code in the Student Handbook, found online at http://www.winthrop.edu/studentaffairs/handbook/.

**Academic Discipline**

Infractions of academic discipline are dealt with in accordance with the student Academic Misconduct Policy which is in the Student Conduct Code in the Student Handbook. Academic misconduct includes, but is not limited to, providing or receiving assistance in a manner not authorized by the professor in the creation of work to be submitted for academic evaluation including papers, projects, and examinations; presenting, as one’s own, the ideas or words of another for academic evaluation without proper acknowledgment; doing unauthorized academic work for which another person will receive credit or be evaluated; and presenting the same or substantially the same papers or projects for academic evaluation without proper acknowledgment. Moreover, Winthrop University is committed to improving the quality of student life by promoting a diversified educational and cultural experience for all its students. Therefore, racist conduct or other acts of bigotry are not tolerated.

Rights and freedoms imply duties and responsibilities. Note should be taken that a student who exercises his or her rights as a private citizen—whether individually or as a member of a group—must assume full responsibility for his or her actions. All students and employees of the University must abide by local, state, and federal laws and with all published University policies and regulations. Violations of laws and regulations subject the perpetrator to disciplinary action by the University and/or the appropriate civil or criminal court.

Responsibility for good conduct rests with students as adult individuals. Student organizations have similar responsibility for maintaining good conduct among their members and guests and at activities they sponsor. All members of the University community are expected to use reasonable judgment in their daily campus life and to show due concern for the welfare and rights of others.

Students who violate University policies, rules, and regulations are subject to expulsion or lesser sanctions. A complete outline of obligations and the disciplinary process is contained in the Student Conduct Code in the Student Handbook, found online at http://www.winthrop.edu/studentaffairs/handbook/.

**Privacy of Educational Records**

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

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

   Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University 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 University 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 or misleading.**

   Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

   If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her 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 consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.**

   One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University 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
Sposted Rights and Regulations

University has contracted (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 responsibility.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by this University 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
600 Independence Avenue, SW
Washington, DC 20202-4605

Also, these regulations restrict Winthrop to the release of certain records only to the student (current or former) and to certain other authorized school and government personnel, except with the student’s prior written consent to release the records to another specified person. Without this consent, Winthrop cannot release a student’s records even to parents, except in one instance. Parents or guardians of a student may be given access to student’s records if the parents or guardians sign a statement in the Office of Records and Registration and provide proof that they have claimed the student as a dependent on their last federal income tax return.

FERPA does allow the University to release the following kinds of information (not considered private records) unless the student requests that it be withheld: student’s name, address, telephone number, e-mail address, date and place of birth, enrollment status (full- or part-time), dates of attendance, date of graduation, major and minor fields of study, degrees and awards received, date of admission, whether or not currently enrolled, classification (freshman, etc.), most recent previous educational institution attended, eligibility for honor societies, participation in officially recognized activities and sports, weight, and height of members of athletic teams, and other similar information. Photographic, video, or electronic images of students taken and maintained by the University also are considered directory information. Any student not wanting this information released must make a written request to the Registrar.

In accordance with South Carolina law, the University does not sell or give away lists which are in unpublished or computerized form to any outside agency, individual, or business for commercial solicitation purposes.

Questions concerning Winthrop’s policy for release of academic information should be directed to the Office of Records and Registration, 126 Tillman Hall.
Student Responsibility

All students are responsible for the proper completion of their academic programs, for satisfying the general regulations stated in this catalog, for maintaining the grade point average required, and for meeting all other degree requirements. Students should secure guidance from an adviser, but the final responsibility remains that of the student.

Students are required to know and observe all regulations concerning campus life and student conduct. Students are responsible for maintaining communication with the University by keeping on file with the Office of Records and Registration at all times a current address, including zip code and telephone number.

Classification of Students

In the fall or spring semester, undergraduate students who are registered for and attending 12 or more semester hours are classified as full-time students. Those who are registered for and attending fewer than 12 semester hours are classified as part-time students.

All undergraduate students are also classified as either regular or special. Special students are those who are admitted under special circumstances and who are not candidates for degrees. Regular students are further classified as follows:

- **Freshmen**: Students who have earned less than 24 semester hours of credit.
- **Sophomores**: Students who have earned at least 24 but fewer than 54 semester hours of credit.
- **Juniors**: Students who have earned at least 54 but fewer than 87 semester hours of credit.
- **Seniors**: Students who have earned at least 87 semester hours of credit.

Academic Forgiveness

At the time of readmission to Winthrop, a student who has been absent for five calendar years or longer may choose to reenter under the “academic forgiveness policy”. Under this policy, all courses previously taken at Winthrop University are treated as if they were transfer credit from another institution for purposes of granting credit toward graduation. As with transfer credit, these earlier courses are not used in computing the student’s grade-point average. However, all earlier courses and the grades earned remain on the student’s official transcript and are counted in computing eligibility for academic honors.

The student must exercise or waive the “academic forgiveness” option by the end of the first week of the second semester he or she is readmitted to Winthrop University.

Academic Advisement

Interaction between faculty and students is an integral part of the learning process at Winthrop. Individual advisement sessions between students and their advisers provide opportunities for students to learn more about the philosophy behind the required degree program as well as career opportunities for specific majors. Through stimulating informal discussions, the advisement process enhances and supplements the learning that takes place in the classroom.

The academic adviser’s primary role is to help the student plan a course of study so that courses required in a particular program are taken in the proper sequence. An online degree audit system is available to assist advisers in helping students meet degree requirements. The adviser also helps ensure that the student is aware of all graduation requirements. Advisers may aid, as well, in resolving and preventing academic problems, often referring students to the appropriate academic resource. At the beginning of each term, advisers post the office hours during which they are available to the students they advise.

Newly admitted students who have declared their intention to pursue a degree in a particular discipline are assigned advisers in the appropriate college. Generally, the adviser assignment is not changed unless the student changes degree programs. Until students officially declare a particular major, they are assigned Pre-major advisers through the College of Arts and Sciences and University College.

Prior to registration, students are required to contact their academic adviser to discuss their academic situations and receive assistance in selecting courses to be taken in the next term. A meeting with the adviser is necessary in order for the adviser to release the advising hold on the student’s registration.

Each college maintains an office in which advising assistance is available when the assigned faculty adviser is not immediately available. Students should contact the offices below for assistance in changing majors, verifying advisers, and other academic advising concerns:

- **College of Arts and Sciences**
  - 106 Kinard
  - 323-2183

- **Richard W Riley College of Education**
  - 144 Withers
  - 323-4750

- **College of Business**
  - 225 Thurmond
  - 323-4833

- **College of Visual and Performing Arts**
  - 126 McLaurin
  - 323-2465

Registration

Registration of courses is done by web registration via Wingspan (https://wingspan.winthrop.edu). Registration for Fall semester begins in April and continues until the beginning of the semester. Spring registration begins in November. In the summer session, which consists of several sessions starting at various times, registration occurs
ACADEMIC REGULATIONS

over an extended period and ends, for an individual session, on the first day of classes in that session. Continuing
students are permitted and encouraged to register early for the upcoming fall or spring semester. Newly admitted
freshmen for a fall semester must attend one of the freshmen orientation sessions offered during the summer to be able
to register for the fall. Consultation with an adviser prior to registration is required.

Course Load

Spring or Fall Semesters. While the normal course load for an undergraduate student is 15 to 17 hours per
semester, a full-time course load may range from 12 to 18 hours. In determining course load, freshmen, with the
assistance of a faculty adviser, should take into consideration high school performance, ACT/SAT scores, high school
grade-point average, and the amount of time available to apply to the academic course work.

A continuing student with a cumulative grade-point average of 3.00 or higher may take a course overload of up to
21 hours. A student with less than a 3.00 grade-point average must request approval for an overload from the Under-
graduate Petitions Committee.

Summer Session. An undergraduate student may not enroll for more than six hours in session A (Maymester). A
student may enroll in a total of 14 hours in session B. Sessions C and D each have a 7-hour maximum. However, the
total hours taken during B, C, and D sessions may not exceed 14.

Auditing Courses

Undergraduate students may audit a course with the permission of the instructor of the course, the department
chair, and the academic dean on a space available basis. An auditor is not required to participate in any examinations
or graded course assignments. Participation in class activities and the class attendance policy is at the discretion of the
instructor. Students have until the third day of the beginning of the fall and spring semesters and the first day of each
summer session to select the audit option. Tuition is the same for auditing a course as it is for taking the course for
credit.

Changes in Enrollment

Changes in enrollment, or student schedule changes, must be made before the end of the designated registration
period. Such changes include dropping or adding courses, changing sections, electing to audit courses, and changing
the number of credits to be earned in a course (where applicable). Any change in enrollment may be done on Wingspan
(wingspan.winthrop.edu) through the designated registration period. After the last day to register or add courses,
changes must be submitted to the Office of Records and Registration on a Schedule Change form with the approval of
the Academic Dean of the college offering the course.

Withdrawal From Courses

Students are expected to follow the courses of study selected at the beginning of the semester or summer term.
There may be instances, however, when the student wishes to withdraw from a course. The decision to withdraw
from a course is the student’s alone, but consultation with the adviser or academic dean and with the instructor is
required.

Forms for withdrawing from courses after the end of the registration period are available in the Office of Records
and Registration. If withdrawal is completed during the first 60% of the instructional days of a particular course, the
grade of N is assigned, indicating that no credit is awarded. Withdrawal from a course may not occur after 60% of the
instructional days of the course have been completed, unless documented extenuating circumstances should warrant
withdrawal from the course with the assignment of an N grade. Documented extenuating circumstances include the
following: death of an immediate family member; traumatic and unforeseen circumstances which are considered
beyond a student’s control; prolonged emotional instability, physical injury or illness which has resulted in the student’s
inability to complete academic responsibilities; or a change in nonacademic employment beyond the student’s control.
Documentation of such circumstances must be definitive and must be presented along with a request for withdrawal
with the assignment of an N grade to the Registrar or his designee no later than the last day of classes for the course in
question.

Complete Withdrawal from Winthrop

Students who find it necessary to discontinue their college work during a semester or summer session should
officially withdraw from the University. Undergraduate students who wish to initiate the withdrawal process should
go to the Office of Records and Registration, 126 Tillman Hall.

A student who withdraws before the course withdrawal date of the semester receives grades of N for all
courses. If the student stops attending after the withdrawal date of the semester, the student receives grades of F, U,
or I, as the individual instructors deem appropriate. A student may withdraw after the course withdrawal deadline
with documented extenuating circumstances. Such circumstances include the following: death of an immediate
family member; traumatic and unforeseen circumstances which are considered beyond a student’s control; prolonged
emotional instability, physical injury or illness which has resulted in the student’s inability to complete academic
responsibilities; or a change in nonacademic employment beyond the student’s control. Documentation of such
circumstances must be definitive and must be presented along with a request for withdrawal with the assignment of an
N grade to the Registrar or his designee no later than the last day of classes for the semester in question. Failure to
withdraw officially may seriously affect a student’s eligibility for future readmission or for transfer to another
institution.
Class Attendance Policies

Students are expected to attend classes and should understand that they are responsible for the academic consequences of absence. The student is responsible for all requirements of the course regardless of absences.

Instructors are obligated to provide makeup opportunities only for students who are absent with adequate cause such as incapacitating illness, death of an immediate family member, or authorized representation of the university. The instructor will be responsible for judging the adequacy of cause for absence. The student is responsible for providing documentation certifying the legitimacy of the absence to his or her instructor in advance of such absences. In health-related or family emergency cases where advance notice is not possible, documentation should be provided to the instructor no later than the date the student returns to class. If the instructor denies the adequacy of cause, then the student can appeal the denial to the Vice President for Academic Affairs, who will judge the adequacy of cause, and if found to be adequate, will require the instructor to provide a make-up opportunity.

The instructor may establish the attendance requirements for the course. The following policy will be in effect unless the instructor specifies otherwise: if a student’s absences in a course total 25 percent or more of the class meetings for the course, the student will receive a grade of N if the student withdraws from the course before the withdrawal deadline; after that date, unless warranted by documented extenuating circumstances as described in the previous section, a grade of F or U shall be assigned.

Class Attendance and Hazardous Weather Conditions

It is the practice of Winthrop University to carry out its primary responsibility of providing instruction for students during regularly scheduled hours, except in cases when extreme weather conditions make roads unsafe for travel. While Winthrop feels a responsibility to meet scheduled classes and maintain office support for those classes whenever possible, the University places the highest priority on the safety of its students, faculty, and staff.

In instances of unsafe road and traveling conditions, the University notifies local media outlets in areas where Winthrop students and employees live if scheduled classes and activities of the University have been changed. Students should use their local media and discretion in judging the safety of traveling to the University during periods of inclement weather.

Final Examinations

The form of the final examination is determined by the instructor. The exam period may not exceed two and one-half hours. The times of final examinations are officially scheduled by the Registrar. The student and the instructor will be notified of a legitimate exam conflict if one or more of the following occurs: the student has more than one scheduled exam per period; the student has more than two examinations scheduled per day or more than three examinations scheduled in any four consecutive periods. Personal conflicts such as travel plans and work schedules do not warrant a change in examination times.

Evaluation and Grading

It is the responsibility of all faculty members at Winthrop to assign to all of their students fair grades based on evaluation relevant to the content and purposes of the course of study and, reasonably early in the semester, to inform students of the evaluation placed upon their work. Testing procedures are generally guided by the following principles: a number of evaluations of students’ achievements should be made throughout any given semester; the instructor in each class is encouraged to base students’ final grades on at least four major evaluations; the instructor may require a combination of one-hour tests, written reports, oral reports, or appropriate performances on projects. Tests should be returned to students within a reasonable time. Students have a right to examine their own tests regularly in order to understand which items were answered incorrectly or inadequately.

Grading System

Grades for courses taken for undergraduate credit are recorded as follows:

- A: Excellent, achievement of distinction (4 quality points per semester hour).
- A-:  (3.67 quality points per semester hour)
- B+: (3.33 quality points per semester hour)
- B: Good, achievement above that required for graduation (3 quality points per semester hour).
- B-: (2.67 quality points per semester hour)
- C+: (2.33 quality points per semester hour)
- C: Fair, minimum achievement required for graduation (2 quality points per semester hour).
- C-: (1.67 quality points per semester hour)
- D+: (1.33 quality points per semester hour)
- D: Poor, achievement at a level below that required for graduation; must be balanced by good or excellent work in other courses (1 quality point per semester hour).
- D-: (.67 quality points per semester hour)
- F: Failure, unsatisfactory achievement (no quality points).
- S: Satisfactory achievement (Honors courses, B level or above; all others C level or above) on a course taken on a satisfactory/unsatisfactory basis.
- U: Unsatisfactory achievement (Honors courses, B- level or below; all others, C- level or below) on a course taken on a satisfactory/unsatisfactory basis.
ACADEMIC REGULATIONS

Satisfactory/Unsatisfactory Option
Undergraduate students may elect to receive a satisfactory/unsatisfactory (S/U) grade on a total of four courses throughout their entire undergraduate curriculum, and are limited to electing no more than one S/U course per semester. (All summer sessions together are considered one semester.) A satisfactory/unsatisfactory grade, recorded as S or U, will not be counted in computing the student’s grade-point average; however, credit will only be given for courses for which an S grade is earned. The purpose of this option is to allow the student an opportunity to explore areas of interest outside the major and outside required courses without jeopardizing the grade-point average. Students are discouraged from choosing the S/U option for required courses or for courses in the major. Students who are unclear about the appropriate application of the S/U option should consult their advisers.

The four-course limit regarding the S/U option does not include those courses which are offered only on an S/U basis. A student must elect to utilize the S/U option within the first two weeks of a semester. A student may subsequently rescind the election of the S/U option by the course withdrawal deadline (60% of the instructional days in the semester for full-semester classes). A rescinded S/U will still count toward the maximum of four allowed.

Quality Points and Grade-Point Average
To remain in good academic standing, a student must maintain a certain standard of excellence. This standard is fixed by the quality-point system. The grade received on a course determines the number of quality points earned per semester hour. Total quality points for a course are calculated by multiplying hours earned by the point value for the grade earned.

Semester Grade Point Average: The semester grade-point average (GPA) is calculated by dividing quality points earned that semester by hours taken on a letter-grade basis during that semester.
Cumulative Grade Point Average: The cumulative grade-point average (GPA) is calculated by dividing total quality points by quality hours. Quality hours are all hours of credit taken at Winthrop on a letter-grade basis. Credits earned by examinations, credits transferred from other institutions, and credits for courses taken on satisfactory/unsatisfactory basis are not used in computing a student’s cumulative grade-point average. Courses failed at Winthrop University cannot be replaced by transfer coursework.
Earned Hours Taken: The sum of the total hours for which the student has been enrolled at Winthrop plus all hours accepted by Winthrop as transfer credit and all hours awarded by Winthrop as Credit by Examination.
Quality Hours Taken: All hours of credit taken at Winthrop on a regular letter grade basis. All courses are counted in the semester summary of the semester in which they are taken and in the cumulative summary.
Cumulative Hours Earned: All hours of credit completed at Winthrop University with grades of A, B, C, D, or S; all accepted transferred credits and all credits by examination. All courses are counted in the semester summary of the semester in which they are taken and in the cumulative summary.
Quality Points: Semester Hours Earned times the value of the Grade: A=4, A-=3.67, B+=3.33, B=3, B-=2.67, C+=2.33, C=2, C-=1.67, D+=1.33, D=1, D-=0.67, F=0. All courses are counted in the semester summary of the semester in which they have been taken and in the cumulative summary.

Grade Appeal Procedures
Students and faculty members should try to resolve grade problems informally. If no satisfactory solution is reached, the student, the faculty member, or both may contact the appropriate chair or the appropriate dean.

Academic Probation
The first semester a student’s cumulative grade-point average falls below the minimum required for the classification, he or she is placed on academic probation.

Students on academic probation may not enroll in more than 15 semester hours. A student on academic probation whose semester grade-point average is 2.0 or higher is not suspended at the close of that semester even though the cumulative grade-point average remains below the minimum required for the classification. The student may continue enrollment on academic probation.

The student is removed from academic probation at the close of a semester in which the cumulative grade-point average meets the required minimum standard for his or her classification.
Undergraduate special students are not subject to academic eligibility while in this classification.
Credit awarded by examination and hours earned with a grade of S are used in determining classification but not in determining the grade-point average.
A student’s eligibility in a given semester cannot be influenced by the change of a grade awarded in any semester prior to the previous semester, except in the removal of an incomplete grade.
Academic Eligibility Schedule

Students enrolled at Winthrop University must earn a minimum cumulative grade-point average in accordance with the eligibility schedule below in order to avoid being placed on academic probation (or suspension):

<table>
<thead>
<tr>
<th>Class</th>
<th>Cumulative Hours Earned</th>
<th>Minimum Cumulative GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>0 to 23</td>
<td>1.75</td>
</tr>
<tr>
<td>Sophomore</td>
<td>24 to 53</td>
<td>1.85</td>
</tr>
<tr>
<td>Junior</td>
<td>54 to 86</td>
<td>2.0</td>
</tr>
<tr>
<td>Senior</td>
<td>87 or more</td>
<td>2.0</td>
</tr>
</tbody>
</table>

Initial failure to meet the cumulative grade-point average according to the earned hours results in probation. A subsequent violation in the next semester or summer term of enrollment results in first academic suspension for the immediately succeeding regular academic semester and any intervening summer session. Students who are readmitted after suspension are readmitted on academic probation. Failure to meet the specified minimum cumulative grade-point average during this semester results in a second suspension for one calendar year. Readmission for a second time again places the student on academic probation. Failure to achieve the specified minimum cumulative grade-point average after the second suspension results in permanent dismissal from the University.

Credit earned at any other institution while a student is ineligible to enroll at Winthrop University cannot be applied to any degree at Winthrop University.

Recourse for Academically Ineligible Students

If an academically ineligible student feels there are extenuating circumstances in his or her situation, special consideration may be asked of the Committee on Undergraduate Petitions. Procedures for petitioning are as follows:

1. A typed petition from the student must be presented to the Registrar stating the specific extenuating circumstances (see Item 4 following) which prevented the student from succeeding in his or her course work. This petition must be accompanied by a physician’s supporting statement or by other documentary evidence of extenuating circumstances. The petition must include the student’s name, student number, address, major, class, telephone number, and adviser’s name. A petition form is available in the Records Office.
2. The typed petition must be received by the Registrar at least one week before the beginning of the semester for which the student wishes to be readmitted.
3. The Registrar forwards the petition, along with all supporting documents, to the Petitions Committee.
4. Decisions are based only on extenuating circumstances such as illness, death in the family, or emergency military service.
5. Those who are readmitted by the Committee are notified and are allowed to register for courses.

General Appeal Procedure

Any undergraduate student may appeal for variations in the general education requirements and other university-wide academic regulations by submitting a typed petition to the Committee on Undergraduate Petitions. Petitions must be accompanied by supporting statements or other documentary evidence which the student judges pertinent to the petition. Petitions should be addressed to the Committee on Undergraduate Petitions, in care of the Registrar, and should include the student’s name, student number, address, major, class, telephone number, and name of adviser. A petition form is available in the Office of Records and Registration.

To be considered at a regular monthly meeting, petitions must be received by the Registrar at least one week prior to the published meeting date of the Petitions Committee.

The Registrar forwards the petitions, along with any supporting documents, to the Undergraduate Petitions Committee and relays to the student the decisions reached by the Committee. (Refer to “Recourse For Academically Ineligible Students” for specific instructions pertaining to petitions concerning academic ineligibility.) Students may appeal the Petitions Committee decision to the office of the Vice President for Academic Affairs.

Fluency in English

A grievance policy exists in cases where a student claims that a faculty member’s fluency in English is not adequate to conduct a course. Students may consult department or deans’ offices or the Office of Academic Affairs to obtain the full text of the policy and grievance procedures.

Teacher Certification Requirements

Requirements for teacher certification set by the South Carolina State Department of Education or other agencies may or may not be the same as degree requirements shown in this catalog. For more information, see page 78 or the Student Academic Services office in the College of Education.

Transient Study Credit

Courses taken at another institution by a Winthrop student, either during the summer sessions or a regular semester, for transfer back to Winthrop must have written approval of the student’s adviser and the student’s dean.
prior to registration for the courses. It is the student’s responsibility to have grades on these transfer credits reported to the Office of Records and Registration as soon as possible, and, if it is the student’s final semester at Winthrop, no later than four days prior to the expected graduation date. Transcripts of all college work taken while a student is absent from Winthrop for a semester or more must be submitted when the student reapplies to Winthrop.

All transient study credit is subject to the Winthrop University Transfer Credit Policy.

Charlotte Area Educational Consortium

Winthrop participates in the Charlotte Area Educational Consortium (CAEC), which includes twenty-four colleges and universities in the Charlotte area. Under the CAEC Exchange Program, a full-time undergraduate student at Winthrop may be allowed to enroll in an additional course at a member school at no additional academic fee charge, provided the additional course does not enroll the student in a course overload. (The Exchange Program is available only during fall and spring semesters.) Information concerning this program is available in the Office of Records and Registration, 126 Tillman.

Graduate Credit for Winthrop University Seniors

Winthrop seniors with an overall grade-point average at Winthrop of 3.00 or better may be permitted to take courses numbered 500-599 for graduate credit during their final semester of undergraduate work, provided the total course load (undergraduate and graduate) for that semester does not exceed 16 semester hours. The student may receive graduate credit for these courses only if the requirements for the baccalaureate degree are satisfactorily completed by the end of that same semester.

Senior accounting students in their final term may take one 600 level accounting class if the student meets the following conditions: (A) admitted provisionally to graduate studies for the MBA Accounting Option; (B) limited to one 600 level accounting course; (C) 3.0 undergraduate grade point average; and (D) limited to maximum load of 16 semester hours.

Undergraduate students who wish to take courses numbered 500-599 for graduate credit must first receive approval from the academic dean of the school or college in which they are majoring. Approval applications are available in the Office of Records and Registration, 126 Tillman, or online at http://www.winthrop.edu/recandreg/forms/default.htm.

Repeating a Course

A student may repeat any course taken at Winthrop University or transferred to Winthrop for which he or she did not earn a grade of B or higher, or a grade of S. (This regulation does not apply to courses that may be repeated for additional credit.) Credit hours earned in a particular course taken at Winthrop will not be awarded more than one time, (unless the course has been approved for additional credit) and transfer credit for repeated courses will be forfeited.

A student who enters Winthrop as a freshman is allowed a maximum of four repeated courses with grade exemption for any courses taken at Winthrop University for which he or she did not earn a grade of B or higher. Under this policy, the original grade earned in the course will be exempted from the calculation of the cumulative grade point average. Students who transfer to Winthrop with fewer than 40 semester hours of credit also are allowed the four course repeats with grade exemption; those with at least 40 and fewer than 70 hours are allowed three; those with at least 70 and fewer than 100 are allowed two; and those with 100 or more allowed only one repeated course for which the original grade may be exempted from the cumulative grade point average.

The repeat exemptions will be automatically applied to courses as they are repeated up to the allowed number of repeat exemptions. Receiving a grade of U in a repeated course will not replace a previous attempt’s grade, but will utilize one of the repeat exemptions. Please note that repeat exemptions only apply to courses taken and retaken at Winthrop.

The Permanent Record and Transcripts of Record

A permanent record of each student’s courses, credits, and grades earned is maintained in the Office of Records and Registration. Transcripts are provided upon written request of the student. Transcripts are withheld from those students and former students who have unpaid accounts with the University.

Grade Reports

At the end of each semester and summer term, students may access their final grades via Wingspan (http://wingspan.winthrop.edu). Copies of grades may be printed from Wingspan or obtained from the Office of Records and Registration. All errors found on a grade report must be reported to the Office of Records and Registration. If no error is reported within 30 days of the day grades are available for student access, it is assumed the report is correct and each entry becomes a part of the student’s permanent record.

Academic Honors

President’s List. Each undergraduate student who completes a minimum of 12 semester hours of courses taken on a letter-grade basis during the fall or spring semester and earns a grade-point average of 4.00 is eligible for the President’s List for that semester.
Dean’s List. Each undergraduate student who completes a minimum of 12 semester hours of courses taken on a letter-grade basis during the fall or spring semester and earns a grade-point average of at least 3.50 is eligible for the Dean’s List for that semester.

Honor Graduates. Any undergraduate student who completes degree requirements with a final grade-point average of 3.50 to 3.74 shall be granted a diploma cum laude; any undergraduate student who completes degree requirements with a final grade-point average of 3.75 to 3.89 shall be granted a diploma magna cum laude; any undergraduate student who completes degree requirements with a final grade-point average of 3.90 or higher shall be granted a diploma summa cum laude. In order for a student who has credits transferred from another institution to receive a diploma cum laude, magna cum laude, or summa cum laude, it is necessary to have the required grade-point average on the work taken at Winthrop as well as the required grade-point average on the combination of Winthrop work, including courses lost due to utilization of academic forgiveness, and all work taken at other institutions. Note: Coursework taken at other institutions cannot raise a graduate to a higher level of Academic Honors. Students who complete degree requirements with a final grade point average of 3.75, earn a minimum of 48 quality hours (earned hours on a regular letter grade basis) at Winthrop University, and do not qualify for one of the categories above, will receive Honors Recognition.

Choice of Catalog
A regular undergraduate student may obtain a degree in accordance with the requirements set forth in the catalog in force at the time of the student’s initial enrollment as a regular undergraduate student at Winthrop, provided that the student has not been absent from active enrollment for a continuous period of twelve months or more; or the student may elect to obtain a degree in accordance with the requirements of any catalog issued after the initial enrollment, provided the student was enrolled as a regular undergraduate student in Winthrop at the time the catalog was issued and has not subsequently been absent from active enrollment for a continuous period of 12 months or more. When a student has been absent for a period of 12 months or more, he or she must fulfill the requirements of the catalog in force at the time of re-enrollment or a subsequent catalog in force during enrollments. In all cases, a student is restricted in choice to the requirements of a specific catalog and must graduate within a period of eight years from the date the catalog was issued to claim the rights of that catalog.

If any course required in the catalog specified is not offered after the student specifying the catalog has accumulated 87 semester hours, the University reserves the right to substitute another course. In all cases, if a course has been officially dropped from the course offerings, the University provides a substitute course.

Change of Degree or Program of Study
A student may change from one degree program or area of academic concentration to another, provided the prerequisites for admission to the new program are met and appropriate written approval is obtained. Students should consult their appropriate Student Services Office for assistance.

Application for Graduation
The Application for Graduation serves as official notification to the Registrar of the student’s planned graduation date and also generates the ordering of the student’s diploma and other commencement-related notifications. Students should apply for graduation upon earning 87 hours. An official review of the student’s record is performed to verify remaining degree requirements only upon receipt of the application for graduation. The Office of Records and Registration will notify students upon audit completion through the graduation remaining requirements letter.

The remaining requirements letter serves as a written understanding between the university and the student of remaining degree requirements. A new degree review is required if a student has a change of major, minor, or concentration. It is the student’s responsibility to notify the Records Office of such changes. If a student is not enrolled at Winthrop for one calendar year, the review is void and will require completion of a new application for graduation.

A $25 graduation fee is assessed at the time of the submission of the graduation application to the Office of Records and Registration. Failure to file an application as specified below will result in an additional late fee. The application deadlines are February 1 for August and December graduation and September 15 for May graduation. If the application is filed after the deadline, a $25 penalty is assessed. After the deadline for the next commencement has passed, a $50 penalty is assessed.

Awarding Degrees and Commencement Exercises
Degrees are awarded three times a year, at the end of each Fall and Spring semester and at the end of the summer session. Commencement exercises are held only twice a year, in December and in May. The program for the December commencement lists the names of all students who completed degrees during the preceding summer session, as well as those who completed degrees during the Fall semester. The program for the May commencement lists the names of those students who completed degrees during the Spring semester. Only students who have completed all degree requirements may participate in the commencement ceremony.

Students who complete degrees during the Fall and Spring semesters and desire to graduate in absentia should submit a written notification to the Office of Records and Registration as soon as they know they are not attending commencement exercises.
Academic Programs

The University offers degrees in programs leading to the Bachelor of Arts, the Bachelor of Fine Arts, the Bachelor of Music, the Bachelor of Music Education, the Bachelor of Science, and the Bachelor of Social Work.

Bachelor of Arts
Art
- Liberal Arts Emphasis
- Teacher Certification, K-12
Art History
Dance
- Performance
- Teacher Certification, K-12
Economics
English
- Language and Literature
- Teacher Certification, 9-12
- Writing
Environmental Studies
General Communication Disorders
History
- Teacher Certification for Social Studies, 9-12
Mass Communication
- Broadcast
- Journalism
Mathematics
- Teacher Certification, 9-12
Modern Languages
- French
- Spanish
- Teacher Certification, K-12
- (French or Spanish)
Music
Philosophy and Religion
- Philosophy
- Religious Studies
- Combined
Political Science
- Teacher Certification for Social Studies, 9-12
- Public Policy & Administration
Psychology
Sociology
- Criminology
- Anthropology
Theatre
- Design/Technical Theatre
- Performance
- Teacher Certification, K-12

Bachelor of Fine Arts
Art
- Ceramics
- General Studio
- Interior Design
- Jewelry/Metals
- Painting
- Photography
- Printmaking
- Sculpture
- Visual Communication Design

Bachelor of Music
Performance
- Composition

Bachelor of Music Education
Choral, K-12
Instrumental, K-12

Bachelor of Science
Athletic Training
Biology
- Biomedical Research
- Certification for Medical Technology
- Teacher Certification, 9-12
Business Administration
- Accounting
- Computer Information Systems
- Economics
- Entrepreneurship
- Finance
- General Business
- Health Care Management
- Human Resource Management
- International Business
- Management
- Marketing
Chemistry
- ACS Chemistry option
- ACS Biochemistry option
- ACS Business option
- ACS Forensic Chemistry option
- Multidisciplinary Chemistry option
Computer Science
- Digital Information Design
- Digital Commerce
- Digital Mass Media
- Interactive Media
- Web Application Design
Early Childhood Education, PK-3rd grade
Elementary Education, grades 2-6
Environmental Sciences
Exercise Science
Family and Consumer Sciences
Human Nutrition
- Dietetics
- Food System Management
- Nutrition Science
Integrated Marketing Communication
Mathematics
- Teacher Certification, 9-12
Middle Level Education, 5-8
- English/Language Arts and Math
- English/Language Arts and Science
- English/Language Arts and Social Studies
Physical Education
- Teacher Certification, K-12
Science Communication
Special Education, K-12
- Learning/Emotional Disabilities
- Mental/Severe Disabilities
- Sport Management

Bachelor of Social Work
Degree Requirements

Each student is responsible for meeting requirements for graduation as stated in the University Catalog. An adviser is available for counsel, but the responsibility remains with the student.

The baccalaureate degrees require the completion of a minimum of 124 semester hours of credit, including all courses required in the specified degree program, with a final grade-point average of 2.00 or better on all courses which are taken on a letter-grade basis at Winthrop University. Students must also achieve a minimum of a 2.00 GPA in courses counted toward the major and minor programs. Some degree programs have more stringent GPA requirements. See degree program listings for specific requirements.

Of those semester hours required for the baccalaureate degree, a minimum of 40 semester hours must be in courses numbered above 299, and 46-58 semester hours must be distributed in accordance with the Touchstone Program (general education) Distribution Requirements and the Touchstone Core: ACAD 101, WRIT 101, HMXP 102, and CRTW 201.

Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. A student may elect to apply up to an additional 6 semester hours in the same subject designator toward general electives, Touchstone program (general education) distribution requirements, or a minor with the exception of the social sciences minor, unless limited by the major program.

All baccalaureate degree programs at Winthrop University require the successful completion of the Touchstone Core. (See below.)

A student not majoring in Business Administration may take for the baccalaureate degree a maximum of 30 semester hours of credit in the College of Business Administration. Programs permitting more than 30 semester hours of such courses must be approved by the Dean of the College of Business Administration.

Each program leading to the Bachelor of Arts degree requires the completion of a minor in addition to the major program. Students must achieve a 2.00 grade-point average in courses counted toward the minor. Students may fulfill the minor requirements with one or more minors of their own choosing (see section on minors, page 135, for the comprehensive list of minors and the specific requirements for each minor) or a second major. Students in Bachelor of Science degree programs may elect to complete a minor. The minimum number of semester hours required for a minor is 15, at least 6 of which must be in courses above 299. Bachelor of Science degree students may use courses required in the major to also satisfy minor requirements, except those pursuing a B.S. in Business Administration. No course may count toward a business administration major and a business administration minor. Minors are recorded on the permanent record.

Students may elect a second major. When doing so, students must indicate which college they wish to have advise them, and it shall be the student’s responsibility to ascertain whether the appropriate requirements have been met in both majors. The second major shall be recorded on the permanent record in lieu of, or in addition to, a minor. It should be noted that a double major will not by itself lead to the conferral of a second degree. (See Second Baccalaureate Degree, page 18.)

The Touchstone Program: Distinctive General Education at Winthrop University

In order to create an academic environment in which students use their talents to achieve excellence, take responsibility for the integrity and quality of their own work, and engage in meaningful practices that prepare them to fulfill their obligations as students in an academic community and as responsible global and local citizens, the faculty developed the Touchstone Program at Winthrop University, our distinctive general education experience. The Touchstone Program captures the dynamic quality of Winthrop’s academic environment that provides students with a framework for learning and responsible decision-making that they will use throughout their lives.

The Touchstone Core

The Touchstone Core (ACAD 101, WRIT 101, HMXP 102, CRTW 201), collectively forms the basis of deeper learning and academic progress. The courses in the Core will acquaint students with academic writing and critical thinking and will build capacities that students will use throughout their university experience and their adult lives.

Beginning students should enroll in WRIT 101 during their first semester at Winthrop University and should complete WRIT 101, HMXP 102, and CRTW 201 early in their academic careers. Students who do not pass these courses with grades of C- or better by the time they have completed 75 earned hours will be limited to a maximum course load of 12 hours per semester and will not be permitted to enroll in courses above 299 until they have satisfied these requirements.

Student Goals in the Touchstone Program

All candidates for a baccalaureate degree shall complete the General Education Distribution Requirements. Although these requirements usually take the form of individual courses, students should integrate their learning experiences from different courses taken at different times and should assimilate common concepts taught in different disciplines. Students should conduct all activities in an ethical manner and work with integrity and honesty toward the following goals:

Goal One: To communicate clearly and effectively in standard English.

To achieve this goal, students should:
1. Read, write, and speak standard English.
DEGREE REQUIREMENTS

2. Analyze written, spoken, and nonverbal messages from a variety of disciplines; and
3. Understand and practice rhetorical techniques and styles by writing and by giving oral presentations

Goal Two: To acquire and appreciate quantitative skills.
To achieve this goal, students should:
1. Solve mathematical problems of the type necessary for living in today’s and tomorrow’s world;
2. Make valid inferences from data;
3. Understand that quantitative analysis is important to almost every endeavor of humankind; and
4. Understand the concept and application of quantitative relationships.

Goal Three: To use critical thinking, problem-solving skills, and a variety of research methods.
To achieve this goal, students should:
1. Identify sound and unsound reasoning;
2. Analyze and use a variety of information gathering techniques;
3. Conduct independent research;
4. Use computers competently; and
5. Use the library and other information sources competently.

Goal Four: To recognize and appreciate human diversity (both past and present) as well as the diversity of ideas, institutions, philosophies, moral codes, and ethical principles.
To achieve this goal, students should:
1. Analyze diverse world cultures, societies, languages, historical periods and artistic expressions.
2. Understand cultures in their own terms and in terms of the diversity of ideas, institutions, philosophies, moral codes, and ethical principles; and
3. Understand the nature of social and cultural conflict and methods of resolution.

Goal Five: To understand scientific knowledge in terms of its methods or acquisition, its specific quantitative nature, and its dynamic and contingent character.
To achieve this goal, students should:
1. Study areas of science that may affect everyday life;
2. Identify and develop hypotheses, design studies, and collect data in light of these hypotheses;
3. Take accurate measurements and make detailed observations to reach valid empirical conclusions; and
4. Understand how scientific theories change over time.

Goal Six: To understand aesthetic values, the creative process, and the interconnectedness of the literary, visual, and performing arts throughout the history of civilization.
To achieve this goal, students should:
1. Participate in and/or observe a variety of artistic expressions;
2. Study the discipline and techniques involved in artistic creations; and
3. Understand how and why people use artistic form.

Goal Seven: To examine values, attitudes, beliefs, and habits which define the nature and quality of life.
To achieve this goal, students should:
1. Reflect on the role played in their lives by school, work, leisure, and community involvement;
2. Examine problems, issues, and choices that confront citizens of the world;
3. Pursue basic principles of wellness;
4. Take responsibility for the consequences of their actions and choices; and
5. Articulate and assess their personal ethical principles.

Touchstone Program Distribution Requirements
The Touchstone Program (Winthrop’s distinctive general education) is based on three concepts: mastery of competencies, integration of experiences across disciplines, and exposure to a variety of intellectual and social perspectives. The program is composed of three core areas: the critical skills, skills for a common experience and for thinking across disciplines, and developing critical skills and applying them to disciplines. Courses used to complete major or minor requirements may also be used to complete Touchstone Program (general education) Distribution requirements. Students should see their degree program for specific course requirements.
DEGREE REQUIREMENTS

Core Skill Area Semester Hours

Critical Skills 15-21
  Writing and Critical Thinking (WRIT 101 and CRTW 201*)
  Quantitative Skills (CTQR 150 (through 09M), MATH 105, 150 or 201 or any course that has MATH 201 as a prerequisite)
  Technology 3

   ARTS 281; BIOL 300 & 480; CSCI 101 and three from CSCI 101A, B, C, F, I, or P; 151; 207 & 327;
  CHEM 407-410 & 525; EDUC 275; GEOG 305; INDS 234 & 488; MCOM 205 & 241;
  MGMT 341; MUST 121; VCOM 261, 262; WRIT 501

Oral Communication 0-3*

   ARTE 391, BIOL 480, CSCI 327, DCED 391, ELEM 391, ENGE 391, GEOG 500, HIST 300,
   MAED 391, MGMT 355, MLAN 391, MUSC 121, PHIL 261, 262; WRIT 465, 566

Logic/Language/Semiotics 6

   ARTS 281, Any CSCI, Foreign Language, INFD 141, MATH, PHIL 220 or 225, QMTH, SPCH 201, 203, SPED 391,
   THRA 120, WRIT 465, 566

Skills for a Common Experience and Thinking Across Disciplines 9

   HMXP 102 3#

Global Perspectives 3#

   ANTH 201, 203, ARTH 175, 381, 382, 483, 484, 485, BADM 400, 492, ENGL 208, 308, 502, FREN 301,
   GEOG 101, 201, 203, 304, 306, GERM 280, HIST 111, 112, 113, 332, 337, 344, 345, 351, 540, 547, 548, 551,
   552, 553, 560, INAS 425H, MCOM 302, 305, 308, 310, 311, 312, 313, 314, 315, 317, 320, 321, 322, 325, 335, 336,

Historical Perspectives 3#

   AAMS 300, ARTH 175, 176, 375, 376, 379, 381, 382, DANT 385, 386, ENGL 507, HIST 111, 112, 113, 211,
   212, 308, 310, 314, 315, 331, 332, 337, 343, 344, 345, 346, 347, 350, 351, 352, 355(A, B, C), 450, 471,
   472, 500, 505, 509, 515, 518, 525, 527, 530, 540, 547, 548, 550, 551, 552, 553, 560, 561, MUST 305,
   PHED 380, PHIL 301, 302, 315, RELG 313, 314, 320, 385, 386, VCOM 374

Developing Critical Skills and Applying them to Disciplines 22-28

Social Science, Humanities and Arts 15

   Social Science (At least 2 designators)
   ANTH 201, 203, ECON 103, 215, 216, 343, GEOG 101, HIST 200, MUSC 201(H), 202, 205(H), 207(H),

   Humanities and Arts (At least 2 designators)
   ARTE 547, ARTH 175, 176, 375, 376, 379, 381, 482, 484, 485, all ARTS courses (except ARTS 281), ARTT 298, DANA 101, 102, 104, 105, 180, 236, 238,
   246, 249, 251, 252, 258, 261, DANT 201, 298, 301, 401, ENGL 200, 203, 208, 211, 305, 308, 310, 311, 312,
   317, 319, 320, 321, 323, 324, 325, 330, 370, 380, FREN 250, GERM 301, 401, HIST 111, 112, 113, 308, 310,
   550, 551, 552, 553, 561, INDUS 201, 231, 232, 333, 432, 433, 488, GERM 111, all MUSA course
   (MUSA 141-169) and lesson courses (MUSA 110, 111, 211, 212, 311, 312, 411, 412 [all letters])
   MUST 298, 306, 315, PEAC 200, PHIL 201, 203, 201, 302, 303, 310, 312, 315, 340, 357, 390, 575,
   PSCL 351, 352, 356, 551, REGI 201, 220, 300, 313, 314, 320, 325, 340, 350, 360, 390, THRA 120, 320, 521,
   320, 281, 385, 386, 361, VCOM 222, 251, 258, 354, 374, 463

Natural Science 7#

   Life: ANTH 202, BIOL 150/151, 203/204(H), 206/H, 304, 307, GRNT 301, NUTR 201, 221,
   SCIE 222, 223, 301

   Earth: ANTH 220, GEOG 500, GEOL 110/113, 201, 210/211, 220, 250/251, 330, 360


Intensive Writing 0-3*

   ANTH 302, 341, ART 395, BIOL 300, CSCI 327, DANT 386, ENGL 300, ENV 520,
   HIST 300, MAED 548, MCOM 331, 342, 343, 347, 412, 441, 471, MUST 306, NUTR 534, PHED 381,
   PHIL 495, PLSC 490, PSYC 302, READ 322, RELG 495, SCWK 330, SOCL 502, SPED 582,
   THRT 386, WRIT 300, 350, 351, 366, 465, 501, 566

Constitution Requirement 0-3*

   ECON 103, HIST 211, PLSC 201(H), 311/312, 356

Total 46-58

*These requirements may be met by courses which also meet other General Education Distribution requirements.
# These courses contain a significant writing component (except for Art studio or Dance and Music performance/lesson courses.)
§Designators that differ only for the purpose of theory and application will be considered the same designator in this category.
*The Constitution requirement and CRTW 201 must be completed by the time the student reaches 75 earned hours.
Residence Requirements
There are four basic residence requirements:
1. A minimum of 31 semester hours of course credits must be taken within five calendar years preceding the date the degree is granted.
2. A minimum of 22 of the final 31 hours required for the degree must be taken in residence at Winthrop exclusive of CLEP credit. However, a minimum of 15 is required if the student participates in a recognized exchange program at Winthrop University. This exception will require the approval of the Winthrop director of the exchange program, the head of the student’s department, and the director of student services in the college of the student’s major.
3. When part of the final 31 hours is taken at another institution, the student must have taken a minimum of 30 semester hours at Winthrop prior to taking the final 31 hours. The institution and the course taken must be satisfactory to the student’s adviser and to the dean of the college.
4. A minimum of 12 semester hours of course credits must be taken in residence at Winthrop in the major discipline(s).

In meeting the residence requirements, credits earned during the Winthrop summer session are counted on the same basis as credits earned in the fall and spring semesters. In addition to the basic residence requirements for all Winthrop undergraduate degrees, all undergraduate degree programs in the College of Business Administration require that the final 31 hours required for the degree must be taken in residence at Winthrop.

Course Level Requirement
For graduation with a baccalaureate degree a student must present a minimum of 40 semester hours in courses numbered above 299 (48 semester hours above 299 in programs offered by the College of Business Administration).

Final Grade-Point Average
A final cumulative grade-point average of 2.00 or better is required for graduation. The final grade-point average is based on the hours and quality points earned for all courses taken on a letter-grade basis at Winthrop.

Freshman Year Seminar: Principles of the Learning Academy
The freshman year seminar course, Principles of the Learning Academy (ACAD 101) is required for all first-time entering freshmen. The goals of this course are to introduce first-year students to the concepts, resources, and skills necessary for successful higher learning and to facilitate the student’s adjustment to and engagement in the class and university. ACAD 101 carries one hour of credit. Classes generally meet twice a week in small groups with a seminar director and peer mentor the first part of the semester.

Cultural Events Requirement
By graduation, each undergraduate student is required to attend three cultural events for every 20 hours completed at Winthrop University, not to exceed a maximum requirement of 18 cultural events. The purpose of the cultural events requirement is to establish and foster a life-enriching pattern of cultural involvement.

Each semester a calendar of events which have been approved as fulfilling the cultural events requirement is published. This calendar will have events added over the course of the semester. Events that are selected will be chosen from areas such as plays, films, art exhibitions, and dance and musical performances, or from lectures of general appeal. Students may fulfill this requirement through any one of the following three methods or a combination of these methods:
1. Attend approved on-campus events. To receive credit the student must be scanned both in and out of the event.
2. Petition for credit for attendance at an event off-campus. This option requires a petition form (available from the Cultural Events Office, the Registration Office or the Winthrop Web Site), proof of attendance (ticket stub or program), and a one-page typewritten report.
3. Present a portfolio of culturally related life experiences. All experiences cited must be post-high school and prior to matriculation at Winthrop University. This option is designed for the nontraditional student with extensive cultural experiences.

For more detailed information regarding the Cultural Events Requirement and/or these three options, visit the Cultural Events website at http://www.winthrop.edu/culturalevents/ or contact the Office of Records and Registration, 126 Tillman.

Double Majors/Dual Degrees
A student may obtain a double major within the 124 hours required for a baccalaureate degree by completing requirements for two majors with the same degree (e.g., BA Political Science and BA History). Selection of two majors representing different degrees (e.g. BS Biology and BA Psychology) leads to a dual degree. A student may obtain a dual degree by completing the requirements for both majors including at least 30 hours beyond the 124 hours required for the first degree.
Second Baccalaureate Degree

A graduate of the University may receive a second baccalaureate degree if it is in a different major by fulfilling the following conditions:

1. Meet all the requirements for the second degree.*
2. Complete a minimum of 30 hours in residence beyond requirements for the first degree.

*The dean of the appropriate college will determine the courses required to complete the second degree. Cultural Events are not required for the second degree.

Students wishing to complete a second degree concurrently with their first undergraduate degree must meet all requirements for the second degree and complete 30 credit hours beyond the requirements for the first degree.
Undergraduate Degree Programs and Requirements

The College of Arts and Sciences provides educational opportunities for students to gain knowledge, insights, and skills in order to grow more sensitive to the significance of the human heritage, to participate and contribute knowledgeable and effectively as citizens, and to lead rewarding, productive, and enriched lives within the contemporary world.

Providing the liberal arts foundation for all Winthrop University students, the College of Arts and Sciences offers a broad spectrum of general education courses so undergraduate students may be afforded the central core of knowledge enjoyed by well-educated citizenry.

Some of the degree programs in Arts and Sciences prepare majors directly for professional employment; others prepare them for admission to professional and graduate schools; others, combined with an appropriate minor from Arts and Sciences or one of the professional schools, provide a valuable basis for a career.

The College of Arts and Sciences offers the Bachelor of Arts, Bachelor of Science, Master of Arts, Master of Liberal Arts, Master of Science, Master of Social Work, and Specialist in School Psychology degrees with the following majors:

**Bachelor of Arts Degree:** English, environmental studies, general communication disorders, history, mass communication, mathematics, modern languages, philosophy and religion, political science, psychology and sociology.

**Bachelor of Science Degree:** biology, chemistry, environmental sciences, human nutrition, integrated marketing communication, mathematics, and science communication.

**Bachelor of Social Work Degree**

**Master of Arts Degree:** English, history, and Spanish.

**Master of Liberal Arts Degree:** liberal arts.

**Master of Science Degree:** biology, human nutrition, and school psychology.

**Master of Social Work**

**Specialist in School Psychology Degree**

Minors for undergraduate degrees are offered through the College of Arts and Sciences in African American studies; anthropology; applied physics; biology; chemistry; English; environmental studies; French; general science; geography; geology; German; gerontology; history; human nutrition; international area studies; mathematics; philosophy; philosophy and religious studies; peace, justice, and conflict resolution studies; political science; psychology; religious studies; secondary education; social sciences; social welfare; sociology; Spanish; women’s studies; and writing. See the section on Minors for requirements.

Winthrop’s undergraduate program in human nutrition is accredited by the Commission on Accreditation for Dietetics Education (CADE) of The American Dietetic Association. The Bachelor of Social Work program is accredited by the Council on Social Work Education. The Department of Mass Communication is accredited by the Accrediting Council of Education in Journalism and Mass Communications.

**Pre-major Advising Center—University College**

Students who do not declare majors are assigned advisers in the Pre-major Advising Center. Advising is provided by faculty members representing a variety of academic departments in the College of Arts and Sciences who help resolve issues that pre-majors tend to encounter. Pre-major students who have completed 45 semester hours will not be permitted to register for courses until they have declared a major. The Pre-major Advising Center is located in 106 Kinard.

**Pre-College Credit and Dual Credit**

Qualified high school students may enroll for university courses at Winthrop during the regular academic year or summer session. To qualify, students must be recommended by their high school counselors or principals. Credit earned can count towards a high school diploma, for college credit at Winthrop or both. However, this dual credit option is limited to secondary schools with which Winthrop has dual credit agreements.

**College of Arts and Sciences Requirements**

**Foreign Language Requirements:** A candidate for a BA or BS degree in the College of Arts and Sciences must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized proficiency examination or by passing a foreign language course numbered 102 or any foreign language course with 102 as a prerequisite. A maximum of three semester hours of foreign language courses may be applied to Logic/Language/Semiotics area of the Winthrop University General Education requirements. Non-native speakers of English can petition the College of Arts and Sciences Curriculum Committee for possible exemption from the foreign language requirement. Native speakers of a foreign language will not receive CLEP credit for the 101, 102, 201, or 202 courses in that language. Students who are fluent in a language other than their native language or English may receive CLEP credit in that language, but may not enroll in 101, 102, 201, or 202 courses in the second language in which they are fluent.
Students may obtain credit for French, German, or Spanish 101 and/or 102 upon completion of the appropriate course (see below) with a grade of B or higher. Credit will not be given for courses for which university credit has been awarded previously. No grade is assigned to this credit. A grade is received only for the course taken at Winthrop. The course credits that can be earned are summarized below. For further information, contact the Chair of the Department of Modern Languages.

<table>
<thead>
<tr>
<th>Course taken at Winthrop with an earned grade of B or higher</th>
<th>Foreign Language Credit may be received for</th>
</tr>
</thead>
<tbody>
<tr>
<td>French 102</td>
<td>FREN 101</td>
</tr>
<tr>
<td>French 201</td>
<td>FREN 101 and/or 102</td>
</tr>
<tr>
<td>German 102</td>
<td>GERM 101</td>
</tr>
<tr>
<td>German 201</td>
<td>GERM 101 and/or 102</td>
</tr>
<tr>
<td>Spanish 102</td>
<td>SPAN 101</td>
</tr>
<tr>
<td>Spanish 201</td>
<td>SPAN 101 and/or 102</td>
</tr>
</tbody>
</table>

**Grade Point Average (GPA) Requirement:** A minimum grade-point average of 2.0 cumulative is required for courses taken at Winthrop, as well as for courses counted toward the major program. All students pursuing degrees that require a minor must achieve a minimum cumulative GPA average of at least 2.0 in courses counted toward the minor.

**B.A. Degree Requirements:** All B.A. degree programs require students to complete a minor. Not more than 36 semester hours in any one subject designator may be applied toward the major for a Bachelor of Arts degree. A student may elect to apply up to 6 additional semester hours in the same subject designator toward general education distribution requirements, a minor, or general electives, unless limited by the major program.

**B.S. and B.S.W Degree Requirements:** Although not required, students enrolled in B.S. and B.S.W. degree programs may complete a minor. In such cases, students may use courses required in the major to also satisfy minor requirements. Students pursuing the B.S. degree in Integrated Marketing Communication cannot minor in business.

**Teacher Certification:** Certification is available in the following areas: biology, English, French, mathematics, Spanish, and social studies. Social studies includes additional study in anthropology, economics, geography, history, political science and sociology. Students interested in social studies certification must follow the social studies certification track in the history or political science major. Students must meet all requirements for admission to and completion of the Teacher Education Program and its core curriculum. All phase-in information as explained in the College of Education section of this catalog will be applicable.

**BIOLOGY**

**Faculty**

**Professors**
Janice B. Chism  
Dwight D. Dimaculangan  
James W. Johnston, Chair  
Paula L. Mitchell  
William Rogers

**Associate Professors**
Laura Glasscock  
Peter C. Phillips  
Julian Smith III  
Kristi Westover

**Assistant Professors**
Heather Evans Anderson  
Eric Birgbauer  
Lee Anne Cope  
Pravda Stoeva-Popova

**Lecturers**
Jack Bagwell  
Julie Christopher  
Peter Cumbie  
Deborah R. Curry  
Luckett V. Davis, Professor Emeritus  
John Dillé, Professor Emeritus  
Steven E. Fields  
Jessica Hooks  
Kristen Ledbetter  
Janie Manning  
Charles Neilson  
Lynn Snyder  
Jen Wearly  
Silvia Wozniak  
Almaz Yilma

**Instructors**
Cassie Bell  
Kimberly Wilson

**Bachelor of Science in Biology**

The biology major is frequently chosen by students with career interests related to medicine, environmental science, biological research and teaching, and secondary education in the sciences. Qualified Winthrop students in biology are accepted for postgraduate study in many fields, including medicine, dentistry, veterinary medicine, physical therapy, physiology, microbiology, ecology, environmental science, botany, zoology, and medical technology.

Students majoring in biology should take BIOL 202, 203, 204 and 205 or 206, CHEM 105-106 and 108 and a MATH elective in the freshman year. Students are required to take at least one 500-level course in Biology.
<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy 1</td>
</tr>
</tbody>
</table>

**Critical Skills**

| Writing and Critical Thinking | Composition; Crit Reading, Thinking, Writing 6 |
| Quantitative Skills          | Met in major requirements 0 |
| Logic/Language/Semiotics     | Met by major requirements 0 |
| Foreign Language             | Met in major by BIOL 480 0 |
| Oral Communication           | Met by major requirements 0 |

**Skills for Common Experience and Thinking Across Disciplines**

| HMXP 102 | The Human Experience: Who Am I? 3 |
| Global Perspectives | See approved list, p. 16 3 |
| Historical Perspectives | See approved list, p. 16 3 |

**Developing Critical Skills and Applying them to Disciplines**

| Natural Science | Met by major requirements 0 |
| Social Science | See approved list, p. 16; must include 2 designators 6-9* |
| Humanities and Arts | See approved list, p. 16; must include 2 designators 6-9* |

*Must take 15 hours from these two categories.

| Intensive Writing | Met by major requirements 0 |
| Constitution Requirement | See approved list, p. 16; may be met by other req 0-3 |

**Subtotal** 34-38

**Requirements in Major** 67

| BIOL 202, 203, 204, 205, 206, 300, 480, 491, 492 | 19 |

| BIOL Electives – select two courses from each of the following areas: | 14-16 |

- (must include one laboratory course in each area)
- Ecology, Evolution and Field Biology
  - BIOL 303, 304, 323, 403, 404, 505, 508, 510, 511, 513, 515, 518, 524, 525, 527 and 560
- Cells, Genes and Developmental Biology
  - BIOL 307, 308, 310, 315, 317/318, 321, 322, 507, 517, 519, 521, 522, 530 and 555

| Select additional courses to total 42 hours in BIOL from the above areas and/or the following | 7-9 |

- BIOL 340 (A, B, or C), 440, 450H, 461, 463, 471 and 540
- (Students must select at least one 500-level BIOL course)
- CHEM 105, 106, 108 General Chemistry I & II 8
- MATH 150 or MATH 105 or 201 or any MATH course with 201 as a prerequisite 6
- Mathematics, MATH 150, and Science Electives** 11**

**Foreign Language Requirement** 0- 4

**General Electives** 15-23

**Total** 124

†Students completing the required program for the BS degree in Biology must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

**11 hours mathematics and science electives must be chosen from: MATH (except 291 & 292 and any course used to satisfy the Quantitative Skills Area); CHEM (except 101, 340A, B, C, 461, 462, or 463); PHYS (except 101/102); GEOL; AND QMTH 205, 206 (if MATH 141 not selected).**

The student must attain a cumulative grade-point average of 2.00 or better in courses taken at Winthrop and included in the 67 semester hours of the required program. The student must complete a minimum of 12 semester hours of BIOL courses in residence at Winthrop University. Within the 124 semester hours required for this degree, the student must include a minimum of 40 semester hours in courses numbered above 299. No more than 3 semester hours of credit may be awarded toward a degree in Biology for a student completing any combination of BIOL 461, 463 and 540 A, B, C.
**Bachelor of Science in Biology - Certification as Secondary School Teacher**

Program Coordinator: Cassie Bell

Students desiring certification as teachers of biology should consult with the department’s certification adviser and Student Academic Services in the Richard W. Riley College of Education for specific requirements for admission to the Teacher Education Program. See section on College of Education Admission Requirements, page 78.

### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

### Critical Skills

<table>
<thead>
<tr>
<th>Area</th>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing and Critical Thinking</td>
<td>WRIT 101, CRTW 201</td>
<td>Composition; Crit Reading, Thinking, Writing</td>
<td>6</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td>MATH</td>
<td>Met in major requirements</td>
<td>0</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td>Foreign Language</td>
<td>Met in major by BIOL 480</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Oral Communication</td>
<td>Met by major requirements</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Technology</td>
<td>Met by major requirements</td>
<td>0</td>
</tr>
</tbody>
</table>

### Skills for Common Experience and Thinking Across Disciplines

<table>
<thead>
<tr>
<th>Area</th>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Global/Multicultural Perspectives</td>
<td>See approved lists, p. 16.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>See approved list, p. 16.</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### Developing Critical Skills and Applying them to Disciplines

<table>
<thead>
<tr>
<th>Area</th>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>Met by major requirements</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Social Science</td>
<td>See approved list, p. 16; must include 2 designators</td>
<td>6-9*</td>
<td></td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>See approved list, p. 16; must include 2 designators</td>
<td>6-9*</td>
<td></td>
</tr>
</tbody>
</table>

*Must take 15 hours from these two categories.

### Intensive Writing

- Met by major requirements: 0

### Constitution Requirement

- See approved list, p. 16; may be met by other req: 0-3

### Subtotal

**34-38**

### Requirements in Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 202, 203, 204, 205, 206, 300, 307, 308, 310, 315, 317, 318, 480, 491, 492, and 513</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>BIOL 304, 323, 403, 404, 505, 510, 511, 515 or 540**</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CHEM 105, 106, and 108</td>
<td>General Chemistry I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>MATH 150 and another MATH (excluding 291 and 292)</td>
<td>General Physics I &amp; II; Physical Geology</td>
<td>12</td>
</tr>
<tr>
<td>EDUC 110, 210, 250, 275, 310, 390, 475, 490</td>
<td>29***</td>
<td></td>
</tr>
<tr>
<td>SCIE 391, 392</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

### Professional Education Sequence

**33**

### Foreign Language Requirement

0-4

### General Electives

0

### Total

**135-143**

†Students completing the required program for the BS degree in Biology must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

**BIOL 540 can only be used to satisfy this requirement when offered as Ecological Anthropology.**

***A grade of C or better is required in EDUC 110, 210, 250, 275, 310, and 390, and they may not be taken on the S/U basis.***

In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Student Academic Services in the College of Education. A satisfactory score on the PRAXIS II subject area/specialty area tests is required prior to registration for EDUC 475. For up to date information on the PRAXIS test, please see page 80 in the College of Education section of this catalog.

The student must attain a cumulative grade-point average of 2.75 or better in courses taken at Winthrop and a minimum of 2.0 in the 71 hours of the required program. The student must complete a minimum of 12 semester hours of BIOL courses in residence at Winthrop University. Within the 138-146 hours required for the degree, the student must include a minimum of 40 hours in courses numbered above 299. No more than 3 semester hours of credit may be awarded toward a degree in Biology for a student completing any combination of BIOL 461, 463, and 340 A, B, and C.
Certification as a Medical Technologist - Bachelor of Science in Biology  
Program Director: Dr. Lee Anne Cope

Students desiring national certification as a Medical Technologist should consult with the department's Med-Tech adviser for specific details about this program. Qualified graduates must be accepted by a School of Medical Technology for a year (12 months) of hospital training before being certified.

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Critical Skills</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing and Critical Thinking</td>
<td>Composition; Crit Reading, Thinking, Writing</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td>Met in major requirements</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td>Met by major requirements</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Met in major by BIOL 480</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>Met by major requirements</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skills for Common Experience and Thinking Across Disciplines</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>See approved list, p. 16</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>See approved list, p. 16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Developing Critical Skills and Applying them to Disciplines</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>Met by major requirements</td>
</tr>
<tr>
<td>Social Science</td>
<td>See approved list, p. 16; must include 2 designators</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>See approved list, p. 16; must include 2 designators</td>
</tr>
<tr>
<td>*Must take 15 hours from these two categories.</td>
<td></td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>Met by major requirements</td>
</tr>
<tr>
<td>Constitution Requirement</td>
<td>See approved list, p. 16; may be met by other req</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subtotal</th>
<th>34-38</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Requirements in Major</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 202, 203, 204, 205, 206, 300, 480, 491, 492</td>
<td>19</td>
</tr>
<tr>
<td>BIOL 310, 317, 522</td>
<td>11</td>
</tr>
<tr>
<td><strong>BIOL Electives -- select two courses from each of the following areas:</strong></td>
<td></td>
</tr>
<tr>
<td>(must include one laboratory course in each area)</td>
<td>7-8</td>
</tr>
<tr>
<td><strong>Ecology, Evolution, Field Biology</strong></td>
<td></td>
</tr>
<tr>
<td>BIOL 303, 304, 323, 403, 404, 505, 508, 510, 511, 513, 515, 518, 524, 525, 527 and 560</td>
<td>0</td>
</tr>
<tr>
<td><strong>Cells, Genes and Development</strong> (satisfied by the required program)</td>
<td></td>
</tr>
<tr>
<td>BIOL 307, 308, 310, 315, 317/318, 321, 322, 507, 517, 519, 522, 530 and 555</td>
<td>0</td>
</tr>
<tr>
<td><strong>Select additional courses from the above areas and/or those listed below to total 42 hours in BIOL:</strong></td>
<td>4-5</td>
</tr>
<tr>
<td>BIOL 340 (A, B, C), 440, 450H, 461, 463, 471 and 540</td>
<td>(Students must complete at least one 500-level BIOL course)</td>
</tr>
<tr>
<td>CHEM 105, 106, 108</td>
<td>General Chemistry I &amp; II</td>
</tr>
<tr>
<td>CHEM 301, 302, 304</td>
<td>Organic Chemistry I &amp; II</td>
</tr>
<tr>
<td>MATH 150 or MATH 105 or 201 or any MATH course with 201 as a prerequisite</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics, MATH or Science electives: Select additional courses from the following list:</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 313, 314, 523, 524 and 525; CSCI 101 and CSCI 101A, B, and C; MATH 141 (or QMTH 205 and 206); MATH 150</td>
<td></td>
</tr>
<tr>
<td>Students are advised (optional) to complete CHEM 313 and 314.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Electives</th>
<th>14-24</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>124</td>
</tr>
</tbody>
</table>

*Students completing the required program for the BS degree in Biology must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 67 semester hours of the required program. The student must complete a minimum of 12 semester hours of BIOL courses in residence at Winthrop University. Within the 124 semester hours required for this degree, the student must include a minimum of 40 semester hours in courses numbered above 299. No more than 3 semester hours of credit may be awarded toward a degree in Biology for a student completing any combination of BIOL 461, 463, and 340A, B, C.
Although Winthrop University is formally affiliated with the schools of medical technology of Carolinas Medical Center in Charlotte, NC and McLeod Regional Medical Center in Florence, SC, students may apply to any NAACLS accredited hospital program in the US. Although specific admission requirements vary among accredited hospitals, students are normally required to have a cumulative grade-point average of at least 3.0 for acceptance into the hospital program.

Bachelor of Science in Biology, Biomedical Research Track

This concentration within the biology major is designed to prepare students for admission into post-graduate research programs in the biomedical sciences. Students will complete a year-long research internship. Students majoring in this concentration should take BIOL 202, 203, 204 and 205 or 206 and CHEM 105, 106 and 108 and MATH 201 in the freshman year. Students are required to take at least one 500-level course in Biology.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy 1</td>
</tr>
</tbody>
</table>

**Critical Skills**

| Writing and Critical Thinking | Writing and Critical Thinking 6 |
| Quantitative Skills           | Met in major requirements 0 |
| Logic/Language/Semiotics      | Met by major requirements 0 |
| Foreign Language              | 3–4† |
| Oral Communication            | Met in major by BIOL 480 0 |
| Technology                     | Met by major requirements 0 |

**Skills for Common Experience and Thinking Across Disciplines**

| HMXP 102 | The Human Experience: Who Am I 3 |
| Global Perspectives | See approved list, p. 16 3 |
| Historical Perspectives | See approved list, p. 16 3 |

**Developing Critical Skills and Applying them to Disciplines**

| Natural Science | Met by major requirements 0 |
| Social Science  | See approved list, p. 16; must include 2 designators 6-9* |
| Humanities and Arts | See approved list, p. 16; must include 2 designators 6-9* |

*Must take 15 hours from these two categories.

**Intensive Writing**

| Met by major requirements 0 |

**Constitution Requirement**

| See approved list, p. 16; may be met by other req 0-3 |

**Subtotal**

| 34-38 |

**Requirements in Major**

| BIOL 202, 203, 204, 205, 206, 300, 480, 491, 492 19 |
| BIOL 315 4 |
| BIOL 471 or 450(H) 3 |
| BIOL 310, 317, 318, 322 3-4 |
| BIOL 519, 560, 522, 555 or CHEM 523, 525 6-8 |

**Biology Areas: select two courses from each area (must include a laboratory course in each area)**

| Ecology, Evolution and Field Biology 7-8 |
| BIOL 303, 304, 302, 403, 404, 505, 508, 510, 511, 513, 515, 518 |
| BIOL 525, 527 and 560 (if 560 selected above, only a 4-hr lab class is needed from this area) 0 |
| Cells, Genetics and Development (satisfied by required program) 0 |
| BIOL 307, 308, 310, 315, 317, 318, 321, 322, 507, 517, 519, 521, 522, 530, & 555 |

**Biology Electives**

Select additional courses to total 42 hours of BIOL from:

| BIOL 340 (A, B, C), 440, 450(H), 461, 463, 471 and 540 8 |

Student must complete two semesters of undergraduate research. A paid summer research position may count as one semester if approved by the Department Chair. A maximum of three hours of credit for research may be used toward the total 42 hours of BIOL courses required for the BS degree.

**Required Math and Science Courses**

| CHEM 105, 106, and 108 | General Chemistry I & II 8 |
| CHEM 301, 302, 304 | Organic Chemistry I & II 8 |
| MATH (except 291 or 292) | 3 |
| MATH 201 | Calculus I 3 |

**Required Ethics Course** (May satisfy General Education requirements)

| PHIL 230 | Introduction to Ethics 3 |
CHEMISTRY, PHYSICS, AND GEOLOGY

Faculty

Professors

Irene Boland
Marsha Bollinger
Lennart Hans Kullberg
Ponn Maheswaranathan
Patrick M. Owens, Chair
Mesgun Sebhatu

Associate Professors

Clifton P. Calloway
T. Christian Grattan
James Hanna
Aaron M. Hartel
Robin K. Lammi
Takita F. Sumter

Assistant Professors

Gwen M. Daley
Jason C. Hurlbert
Kathie Snyder
Scott Wertz

Lecturers

Kristin Kull
Tom Lipinski
William McGuinness
Gregg McIntosh
William A. Quarles
David Whitley

Bachelor of Science in Chemistry

Students major in chemistry to pursue industrial or graduate opportunities in medicine, environmental science, computational molecular modeling, forensics, plastics, chemistry, textiles, health sciences, materials science, energy production, biotechnology, chemical engineering, pharmaceutical sciences, ceramics, environmental engineering, or toxicology. Chemists represent the largest group of industrial scientists in the United States; approximately 50% of all research and development positions in this country are filled by professionals with chemistry or chemical engineering backgrounds.

Students majoring in chemistry can select one of five programs of study to tailor their curricula to meet their long-term professional objectives. Four programs of study focus on chemistry (ACS Approved), biochemistry (ACS Approved), forensic chemistry (ACS Approved), and business (ACS Approved). The multidisciplinary chemistry program of study is designed for maximum flexibility to meet a broad array of students interests or needs.

Premedical Program with a Bachelor of Science in Chemistry

Students who wish to prepare for application to medical school should acquire a broad foundation in the natural sciences, mathematics, humanities, and the social sciences. Chemistry is a popular major for such students since it allows them to complete the premed requirements without taking a large number of courses outside the major. In addition, the percentage of chemistry majors applying and being accepted to medical school is higher than observed for most other majors. Medical schools generally require two semesters of each of the following courses:

- Inorganic Chemistry
- Organic Chemistry
- General Biology
- Physics
- Mathematics
- English Composition and Literature
- (Biochemistry, anatomy and physiology, genetics, and microbiology are strongly recommended.)

All of the courses listed above can be used to fulfill requirements necessary for a major in chemistry.

Bachelor of Science in Chemistry

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
</tr>
</tbody>
</table>

Critical Skills

| Writing and Critical Thinking | Composition                  | 3 |
| WRIT 101                    | Critical Reading, Thinking, & Writing | 3 |
| CRTW 201                    | Met in major requirement by MATH 201 | 0 |
| Quantitative Skills         | See approved list, p. 16; may be met through other req | 0-3 |
| Oral Communication          | Met in major requirement by MATH 202 | 0 |
| Logic/Language/ Semiotics   | Second semester proficiency required | 3-4† |
| Technology                  | See approved list, p. 16; may be met by another req | 0-3 |

Skills for a Common Experience and Thinking Across Disciplines

| Global Perspectives | See approved list, p. 16 | 3 |
| Historical Perspectives | See approved list, p. 16 | 3 |

Developing Critical Skills Applying them to Disciplines

| Natural Science | Met by major requirements | 0 |
| Social Science  | See approved list, p. 16. Must include 2 designators* | 6-9 |
| Humanities and Arts | See approved list, p. 16. Must include 2 designators* | 6-9 |

*Must have 15 hours within these two categories.
COLLEGE OF ARTS & SCIENCES--CHEMISTRY

Intensive Writing  May be satisfied through other requirements  0-3
Constitution Requirement  May be satisfied through other requirements  0-3
Subtotal  33-47

Requirements in Major: Complete Core and one of four Degree Tracks (ACS-Chemistry, ACS-Approved Biochemistry, Forensic Chemistry, or ACS Chemistry-Business) OR choose Multidisciplinary Chemistry.

Required Core Program for ACS Programs  37
BIOL 203-204  Principles of Biology  4
MATH 201-202*  Calculus I & II  8
PHYS 211-212  Physics with Calculus I & II  8
CHEM 105-106, 108  General Chemistry I & II  8
CHEM 301-302, 304  Organic Chemistry I & II  8
CHEM 305  Chemical Hygiene and Safety  1
CHEM 312  Introductory Chemometrics  1
CHEM 313-314  Quantitative Analysis  4
CHEM 407, 409, 408, 410  Physical Chemistry I & II  8
CHEM 491, 492, 493, 494  Department Seminar  0
CHEM 523, 525  Biochemistry I  4
CHEM 530, 531  Inorganic Chemistry and Lab  4
ACS Chemistry Degree Track  6
(Students completing this degree track will be ACS-certified chemistry graduates.)
CHEM 551-552  Individual Research  6
or CHEM 500-level courses having a total of 3 laboratory credit hours

ACS Biochemistry Degree Track  16-17
(Students completing this degree track will be ACS-certified chemistry graduates.)
CHEM 524  Biochemistry II  3
CHEM 551, 552  Research I & II  6
BIOL 315  Cell Biology  4
BIOL 310 or 317  Microbiology, Genetics  3-4

ACS Forensic Chemistry Degree Track  14
(Students completing this degree track will be ACS-certified chemistry graduates.)
CHEM 502-503  Instrumental Analysis  4
CHEM 505-506  Forensic Analytical Chemistry  4
CHEM 551-552  Research I & II  6
or CHEM 500-level courses having a total of 3 laboratory credit hours

ACS Chemistry-Business Degree Track  18-24
(Students completing this degree track will be ACS-certified chemistry graduates.)
CHEM 551, 552  Research I & II  6
or CHEM 500-level courses having a total of 3 laboratory credit hours
ACCT 280-281  Accounting I & II  6
ECON 215-216  Microeconomics and Macroeconomics  0-6
Complete two of the following courses:  6
FINC 311  Principles of Finance
MGMT 321  Principles of Management
MKTG 380  Principles of Marketing

Multidisciplinary Chemistry Program of Study  71
MATH 201-202*  Calculus I & II  8
CHEM 105-106, 108  General Chemistry I & II  8
CHEM 301-302, 304  Organic Chemistry I & II  8
CHEM 312  Introductory Chemometrics  1
CHEM 313-314  Quantitative Analysis  4
CHEM 407, 409, 408, 410  Physical Chemistry I & II  8
CHEM 491, 492, 493, 494  Department Seminar  0
CHEM (>299)  Chemistry electives  8
PHYS 211-212  Physics with Calculus I & II  8
or PHYS 201-202  General Physics I & II  8
Approved math or science electives (15 hours >299, BIOL, CHEM, CSCI, QMTH, PHYS, MATH)  18

Foreign Language Requirement  0-4
General Electives  0-27
Total  124-133

*MAED 200 is a co-requisite for MATH 202.
Faculty

Professors
John Bird
Josephine A. Koster
William F. Naufftus, Acting Chair
Marquerite Quintelli-Neary
Jane B. Smith

Associate Professors
Debra C. Boyd
Siobhan Brownson
Max L. Childers
J. Scott Ely
Matthew A. Fike
Gloria G. Jones
Kelly Richardson

Assistant Professors
Jack DeRochi
Amy Gerald

Instructors
Leslie W. Bickford
Casey Cothran
Ann Jordan
Cynthia Macri
Mary Martin
Norma McDuffie
Marilyn Montgomery
Evelyne Weeks

Lecturers
Gil Coon
Bryan Ghent
Dorothy Graham
Amanda Hiner
Cathleen Stewart

Bachelor of Arts in English, Language and Literature Track

The Bachelor of Arts in English with a literature and language concentration is designed for those students who want to focus on world, British, and American literature, in preparation for advanced study of literature as well as other professional careers.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>1</td>
</tr>
</tbody>
</table>

Critical Skills

<table>
<thead>
<tr>
<th>Critical Skills</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201 Critical Reading, Thinking, &amp; Writing</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
</tr>
<tr>
<td>MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite</td>
<td>3</td>
</tr>
<tr>
<td>Logic/Language/ Semiotics</td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3†</td>
</tr>
<tr>
<td>CSCI, PHIL 220 or 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>0-3</td>
</tr>
<tr>
<td>Technology</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Skills for a Common Experience and Thinking Across Disciplines

<table>
<thead>
<tr>
<th>Skills for a Common Experience and Thinking Across Disciplines</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102 The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>0</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>0</td>
</tr>
</tbody>
</table>

Developing Critical Skills Applying them to Disciplines

<table>
<thead>
<tr>
<th>Developing Critical Skills Applying them to Disciplines</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>7</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>0-3</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>0</td>
</tr>
<tr>
<td>Constitution Requirement</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Subtotal                                                   | 32-44          |

Requirements in Major

<table>
<thead>
<tr>
<th>Requirements in Major</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 203</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 208</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 211</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 300</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 305</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 491</td>
<td>0</td>
</tr>
<tr>
<td>ENGL 303 or 507</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 312 or 323 or 324 or 504 or 515 or 529*</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 319 or 501 or 503 or 511 or 512 or 513 or 514 or 520 or 521 or 525 or 527*</td>
<td>3</td>
</tr>
</tbody>
</table>
Bachelor of Arts in English Certification as Secondary School Teacher

Students desiring Certification as teachers of English should consult with the department’s teacher certification advisor and the College of Education section of the catalog for specific requirements for admission to the Teacher Education Program. All English Education majors must have a cumulative 2.75 GPA in ENGL 203, 208, 211, 300, 303, 305, 507; ENGE 391, 392, 519; and WRIT 350 prior to the internship.

The student must attain a cumulative grade-point average of 2.00 or better in courses taken at Winthrop and included in the 42-51 semester hours of the required program. The student must complete a minimum of 12 semester hours of ENGL courses in residence at Winthrop University. In addition to the 42-51 semester hours of the required program, the student must select and complete a minor, attaining no less than a 2.0 GPA in the minor. Within the 124 semester hours required for this degree, the student must include a minimum of 40 hours in courses numbered above 299.

**General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>1</td>
</tr>
</tbody>
</table>

**Critical Skills**

**Writing and Critical Thinking Skills**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>3</td>
</tr>
</tbody>
</table>

**Quantitative Skills**

MATH 105 or 150 or 201 or any MATH course with MATH 201 as a prerequisite

**Logic/Language/Semiotics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>3†</td>
</tr>
<tr>
<td>CSCI; PHIL 220, 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261</td>
<td>3</td>
</tr>
</tbody>
</table>

**Oral Communication**

Met by major

**Technology**

Met by major

**Skills for a Common Experience and Thinking across Disciplines**

**Developing Critical Skills Applying them to Disciplines**

**Natural Science**

See list, p. 16; from 2 categories & 1 must be a lab science

**Social Science**

See approved list, p. 16; must include 2 designators

**Humanities and Arts**

6 hours met in the major; select at least 1 course from a different subject area.

**Intensive Writing**

Met by major

**Constitution Requirement**

See approved list, p. 16

Subtotal | 35-38 |

**Requirements in Major**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 203, 208, 211, 305</td>
<td>12</td>
</tr>
<tr>
<td>ENGL 300*, 303*, 507*</td>
<td>9</td>
</tr>
<tr>
<td>ENGL 491</td>
<td>0</td>
</tr>
<tr>
<td>ENGE 519*</td>
<td>3</td>
</tr>
<tr>
<td>WRIT 350*</td>
<td>3</td>
</tr>
</tbody>
</table>

From ENGL above 299, WRIT 300, 307, 316, or 500

(only 3 hours may be from WRIT 307 or WRIT 316) | 9 |

†Students completing the required program for the BA degree in English must demonstrate proficiency in a foreign language at or above the third semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 201 or any course with 201 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

*Students must take at least one ENGL course numbered above 499.
COLLEGE OF ARTS & SCIENCES--ENGLISH CERTIFICATION

Professional Education Sequence 33
EDUC 110*, 210*, 250*, 275*, 310*~, 390*~, 475*~, 490*~ 29
ENGE 391*~, 392*~ Princ of Teaching Engl; Field Exp in Teaching Engl 4
READ 345* Content Area Literacy 3
Foreign Language requirement 0-8
General Electives 6-17
Total 124

*A grade of C or better must be earned and may not be taken on the S/U basis.
~Restricted to students admitted to the Teacher Education Program.
†Students completing the required program for the BA degree in English must demonstrate proficiency in a foreign language at or above the third semester college level. This requirement may be met by a satisfactory score on a recognized proficiency examination or by passing any foreign language course numbered 201 or any course with 201 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Office of Student Academic Services in the Richard W. Riley College of Education.

The PRAXIS II Series is required prior to graduation: 1) Subject Assessment/Specialty Area Tests and 2) Principles of Learning and Teaching (PLT) Test. For up to date information on the PRAXIS test, please see page 104 in the College of Education section of this catalog.

The student must attain a cumulative grade-point average of 2.75 or better in courses taken at Winthrop and a GPA of 2.0 or better in the 36 hours of the required program. The student must complete a minimum of 12 semester hours in the major in residence at Winthrop University. Within the 124 semester hours required for the BA degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.

Bachelor of Arts in English, Writing Track

The Bachelor of Arts in English with a writing concentration is designed for those students who wish to combine their love of reading with a close study of the elements of writing in preparation for a future in which writing will play a central role.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

Critical Skills

Writing and Critical Thinking
WRIT 101 Composition | 3
CRTW 201 Critical Reading, Thinking, & Writing | 3

Quantitative Skills
MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite | 3

Logic/Language/Semiotics
Foreign Language | 3†
CSCI; PHIL 220 or 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261 | 3

Oral Communication
May be met through other requirement* | 0-3
Technology
May be met through other requirement** | 0-3

Skills for a Common Experience and Thinking Across Disciplines

HMXP 102 The Human Experience: Who Am I? | 3
Global Perspectives Met by major requirements | 0
Historical Perspectives May be met by major requirements | 0-3

Developing Critical Skills Applying them to Disciplines

Natural Science From two categories and one must be a lab science | 7
Social Science See approved list, p. 16. Must include 2 designators | 6
Humanities and Arts 6 met in major, remaining 3 from other designators | 3
Intensive Writing Met in major | 0
Constitution Requirement See approved list, p. 16; may be met by another req | 0-3

Subtotal 35-47

Requirements in Major

The English Core:
ENGL 203 Survey of British Literature | 3
ENGL 208 Survey of World Literature | 3
ENGL 211  Survey of American Literature  3
ENGL 300  Approaches to Literature  3
ENGL 305  Shakespeare  3
ENGL 491  Departmental Seminar  0

The Elements of Writing: Rhetoric, Language, and Audience  12
Select from WRIT 300, 350, 351, 465, 500, 501, 510; ENGL 303, 507; IMCO 105; MCOM 302

Select one of the following options:  12

Creative Writing
Select at least two from WRIT 307, 316, 507, 516, 530; and no more than two from
ENGL 317, 325, 501, 504, CSCI 101 and 3 of CSCI 101A, B, C, or P; or if focused on an appropriate
topic, ENGL 310, 311, 320, or 321
ENGL/WRIT 431, 432, or 433  Internship  0-3

Writing for Business and Technology
Select from WRIT 366, 566, VCOM 261, ARTS 281, 305, 311,
371, BADM 180, 411, CSCI 101 and 3 of CSCI 101A, B, C, or P; MCOM 241, 340, 341, 370, 471, MGMT 355,
or MKTG 380.
ENGL/WRIT 431, 432, or 433  Internship  0-3

Foreign Language Requirement  0-8
Minor  15-24
General Electives  6-35
Total  124

Students majoring in English with a writing concentration may not minor in Writing.
†Students completing the required program for the BA degree in English must demonstrate proficiency in a foreign language at
or above the third semester college level. This requirement may be met by a satisfactory score on a recognized examination or by
passing any foreign language course numbered 201 or any course with 201 as a prerequisite. A maximum of one course may be
applied to the Logic/Language/Semiotics Area.
*Can be met within the major if students take WRIT 465 or WRIT 566.
**Can be met within the major if students take WRIT 501 or CSCI 101.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included
in the 39 semester hours of the required program. The student must complete a minimum of 12 semester hours of
ENGL courses in residence at Winthrop University. In addition to the 39 semester hours of the required program, the
student must select and complete a minor, attaining no less than a 2.0 GPA in the minor. Within the 124 semester
hours required for this degree, the student must include a minimum of 40 hours in courses numbered above 299. No
more than three hours of Cooperative Education Experience or Academic Internship or a combination of the two can
count toward the major in English.

Bachelor of Science in Science Communication

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td>Critical Skills</td>
<td></td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTC 201 Critical Reading, Thinking, &amp; Writing</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
</tr>
<tr>
<td>MATH 105 or 150 or 201 or any MATH course with</td>
<td>3</td>
</tr>
<tr>
<td>MATH 201 as a prerequisite</td>
<td></td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3-4†</td>
</tr>
<tr>
<td>CSCI; PHIL 220 or 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>May be met by major* 0-3</td>
</tr>
<tr>
<td>Technology</td>
<td>Met by major</td>
</tr>
<tr>
<td>Skills for a Common Experience and Thinking Across Disciplines</td>
<td></td>
</tr>
<tr>
<td>HMXP 102 The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>See approved list, p. 16</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>See approved list, p. 16</td>
</tr>
<tr>
<td>Developing Critical Skills Applying them to Disciplines</td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td>May be met in major 0-7</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>3 hours met in major; remaining 3-6 from other designators 3-6**</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>6 hrs met in major 0-3**</td>
</tr>
</tbody>
</table>

**A total of 6 hours must be taken from these two areas.
ENVIRONMENTAL SCIENCES/STUDIES
Program Coordinator, Dr. Marsha Bollinger, Professor

Bachelor of Arts in Environmental Studies

The BA degree in Environmental Studies will provide students with a broad introduction to the scientific, social, political, cultural, economic, and policy aspects of environmental issues. BA students will minor in a discipline linked to their major and will be prepared to pursue careers with environmental groups, policy groups, and consulting firms and to continue studies in graduate programs in environmental studies and law.

General Education Courses
- ACAD 101: Principles of the Learning Academy - 1

Critical Skills
- WRIT 101, CRTW 201: Comp; Critical Reading, Thinking, & Writing - 6

Quantitative Skills
- MATH 105 or 150 or 201 or a MATH requiring MATH 201 as prerequisite - 3

Logic/Language/Semiotics
- MATH 141: Finite Probability & Statistics - 3

Technology
- CSCI 101 & 3 of 101A, B, C, or P: Intro to Comp & Info Processing - 3

Requirements in Major
- Writing Core:
  - WRIT 300, 351, 566: Rhet Theory; Adv Non-Fict; Tech/Sci Writing - 9
  - WRIT 461, 462: Science Communication Internship - 6
  - ENGL 380: Literature of Science - 3
  - ENGL or WRIT above 299*** - 6

- Additional Science Courses
  - Choose from areas below and at least 8 hours from one designator:
    - Life Sciences: BIOL above 199; ANTH 202, 350; NUTR 201; SCIE 202, 301;
    - Physical Sciences: CHEM, PHYS
    - Earth Sciences: GEOL

- Subtotal: 31-45

Subtotal: 68-70

Subtotal: 31-45

Subtotal: 68-70

Subtotal: 31-45
### Skills for Common Experience and Thinking Across Disciplines

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 101 or 201</td>
<td>Human Geography or Geog of World Regions</td>
<td>3</td>
</tr>
<tr>
<td><strong>Global Perspectives</strong></td>
<td></td>
<td><strong>3</strong></td>
</tr>
<tr>
<td><strong>Historical Perspectives</strong></td>
<td></td>
<td><strong>0-3</strong></td>
</tr>
</tbody>
</table>

### Developing Critical Skills and Applying them to Disciplines

<table>
<thead>
<tr>
<th>Disciplines</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>Met in major by BIOL 203/204 and CHEM 101</td>
</tr>
<tr>
<td>Social Science</td>
<td>May be met in major; see approved list, p. 16</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>May be met in major; see approved list, p. 16</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>Met in major by ENVS 520</td>
</tr>
<tr>
<td><strong>Constitution Requirement</strong></td>
<td>May be met in major; see approved list, p. 16</td>
</tr>
</tbody>
</table>

### Subtotal

| Subtotal | 28-53 |

### Requirements in the Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 203/204</td>
<td>Principles of Biology/Lab</td>
<td>4</td>
</tr>
<tr>
<td>ENVS 101, 520</td>
<td>Intro to Environ Issues, Seminar in Environ</td>
<td>6</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>Applying Chem to Society</td>
<td>3</td>
</tr>
<tr>
<td><strong>Social Science/Humanities Electives</strong> (select five courses from the following)</td>
<td><strong>15</strong></td>
<td></td>
</tr>
<tr>
<td>BIOL 205, 206, 303, 304, 323, CHEM 105, GEOG 500, GEOL 110/113, 201, 220, PHYS 105, 201</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Science Electives</strong> (select one from the following)</td>
<td><strong>3-4</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Foreign Language</strong></td>
<td>0-4</td>
<td></td>
</tr>
<tr>
<td><strong>Minor</strong></td>
<td>15-24</td>
<td></td>
</tr>
<tr>
<td><strong>General Electives</strong></td>
<td>11-51</td>
<td></td>
</tr>
</tbody>
</table>

### Total

| Total | 124 |

†Students completing the required program in Environmental Studies must demonstrate proficiency in a foreign language at or above the second semester college-level. This requirement may be met by a satisfactory score or a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

### Bachelor of Science in Environmental Sciences

The BS degree in Environmental Sciences will educate students in the scientific, social, political, ethical, and policy aspects of environmental issues in preparation for scientific careers in industry, government, and consulting, and for graduate programs in environmental sciences.

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
</tr>
<tr>
<td><strong>Critical Skills</strong></td>
<td></td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td>Comp; Critical Reading, Thinking, &amp; Writing</td>
</tr>
<tr>
<td>WRIT 101, CRTW 201</td>
<td></td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td>Calc for Mgr &amp; Life Sci; Calculus I</td>
</tr>
<tr>
<td>MATH 105 or 201</td>
<td></td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td>Finite Probability &amp; Statistics</td>
</tr>
<tr>
<td>MATH 141</td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>See approved list, p. 16</td>
</tr>
<tr>
<td><strong>Oral Communication</strong></td>
<td></td>
</tr>
<tr>
<td>Technology</td>
<td>See approved list, p. 16 – CSCI 101 and three of CSCI 101 A, B, C or P recommended</td>
</tr>
<tr>
<td><strong>Skills for Common Experience and Thinking Across Disciplines</strong></td>
<td>3</td>
</tr>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
</tr>
<tr>
<td><strong>Global Perspectives</strong></td>
<td>See approved list, p. 16; may be met in major</td>
</tr>
<tr>
<td><strong>Historical Perspectives</strong></td>
<td>See approved list, p. 16; may be met in major</td>
</tr>
</tbody>
</table>

### Developing Critical Skills and Applying them to Disciplines

<table>
<thead>
<tr>
<th>Disciplines</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>Met in major by BIOL 203/204, GEOL 110</td>
</tr>
<tr>
<td>Social Science</td>
<td>May be met in major; see approved list</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>May be met in major; see approved list</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>Met in major by ENVS 520</td>
</tr>
<tr>
<td><strong>Constitution Requirement</strong></td>
<td>May be met by other requirements; see approved list, p. 38</td>
</tr>
</tbody>
</table>

### Subtotal

| Subtotal | 22-50 |

### Requirements in the Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVS 101, 520</td>
<td>Intro to Environmental Issues, Seminar in Environ</td>
<td>6</td>
</tr>
</tbody>
</table>

### Total

| Total | 45 |
Faculty

**Professors**
- Rory T. Cornish
- Jason H. Silverman

**Associate Professors**
- L. Andrew Doyle
- Lynne Dunn
- J. Edward Lee
- Dave Pretty
- Virginia S. Williams

**Lecturers**
- Mary Catherine Griffin
- Christopher Rounds
- Robert Sturgis

Bachelor of Arts in History

The history major is frequently chosen by students who wish to pursue careers in such fields as teaching, law, library and archival work, and journalism, as well as in areas less directly related to the study of history, including fields in business and industry.

**General Education Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

**Critical Skills**

**Writing and Critical Thinking**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101</td>
<td>Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>Critical Reading, Thinking, &amp; Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Quantitative Skills**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 105, 150 or 201 or a MATH course with 201 prerequisite</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
COLLEGE OF ARTS & SCIENCES--HISTORY

Logic/Language/Semiotics
Foreign Language 3-4†
CSCI, PHIL 220 or 225, SPCH 201, MATH, QMTH 3
Oral Communication Met in major by HIST 300 0
Technology See approved list, p. 16; may be met by another req 0-3

Skills for a Common Experience and Thinking Across Disciplines
HMXP 102 The Human Experience: Who Am I? 3
Global Perspectives Met in major by HIST 111 or 112 0
Historical Perspectives Met in major 0

Developing Critical Skills Applying them to Disciplines
Natural Science From 2 categories and one must be a lab science 7
Social Science See approved list, p. 16; must include two designators 6-9*
Humanities and Arts 3 met in major, remaining 6 from two designators on approved list, p. 16 3-6*
* A total of 12 hours must be met from these two categories.

Intensive Writing Met in major by HIST 300 0
Constitution Requirement Met in major 0

Subtotal 38-42

Requirements in the Major 33
2 of HIST 111, 112, 113 World Civ to 950, Wld Civ 950-1750, Wld Civ Since 1750 6
HIST 211 US History to 1877 3
HIST 212 US History since 1877 3
HIST 300 Historiography and Methodology 3
HIST 590 Senior Capstone Seminar 3

HIST electives, including 6 hours at the 500 level (in addition to HIST 590) and at least 3 semester hours from each of the following groupings: 15
United States: HIST 308, 310, 313, 314, 315, 321, 501, 505, 507, 509, 515, 518, 521, 524, 525, 527;
Europe: HIST 343, 344, 345, 346, 347, 540, 542, 547, 548;
HIST 350, 355A, B, C, 450, 463, 471/472, and 550 may also be taken as electives and would be applied to groupings as above in which the particular subject matter applies.
HIST 590 may not be applied to any of these groupings

Foreign Language Requirement 0-4
Minor 15-24
General Electives 21-38
Total 124

† Students completing the required program in BA History must demonstrate proficiency in a foreign language at or above the second semester college-level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

Bachelor of Arts in History
Certification as Secondary School Teacher of Social Studies

Students desiring certification as teachers of secondary social studies should consult with their advisers and the College of Education section of the catalog for specific requirements for admission to the Teacher Education Program.

General Education Courses Semester Hours
ACAD 101 Principles of the Learning Academy 1

Critical Skills Writing and Critical Thinking
WRIT 101 Composition 3
CRTC 201 Critical Reading, Thinking, & Writing 3

Quantitative Skills MATH 105, 150, 201 or any MATH with 201 prerequisite 3

Logic/Language/Semiotics Foreign Language 3-4†
CSCI; PHIL 220-225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261 3
Oral Communication Met in major 0
Technology Met in major 0
COLLEGE OF ARTS & SCIENCES--HISTORY CERTIFICATION

Skills for a Common Experience and Thinking Across Disciplines

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>Met in major HIST 111 or 112</td>
<td>0</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>Met in major</td>
<td>0</td>
</tr>
</tbody>
</table>

Developing Critical Skills Applying them to Disciplines

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>See list, p. 16; from 2 categories &amp; 1 must be a lab science</td>
<td>7</td>
</tr>
<tr>
<td>Social Science</td>
<td>Met by major</td>
<td>0</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>3 hours met in major; select 3 hours from another designator on approved list, p. 16.</td>
<td>3</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>Met by major</td>
<td>0</td>
</tr>
<tr>
<td>Constitution Requirement</td>
<td>Met by major</td>
<td>0</td>
</tr>
</tbody>
</table>

Subtotal: 29-30

Requirements in the Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 201; ECON 215, 216; GEOG 101, 306; PLSC 201, 202; SOCL 101</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>Select 2 from HIST 111, 112, &amp; 113</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIST 211, 212, 300, 590</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>HIST electives</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

Including at least 6 hours at the 500 level (in addition to HIST 590) and at least 3 semester hours from each of the following groupings:

United States

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 308, 310, 313, 314, 315, 321, 501, 505, 507, 509, 515, 518, 521, 524, 525, 527;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Europe

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 343, 344, 345, 346, 347, 540, 542, 547, 548;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Asia, Africa, and Latin America

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 350, 355A, B, C; 450, 463, 471/472 and 550 may also be taken as electives and would be applied to the groupings above in which the particular subject matter applies. HIST 590 may not be applied to any of these groupings. (Six hours of Global Perspectives and/or European, and 6 hours of US and/or SC are strongly recommended.)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Professional Education Sequence:

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 110*, 210*, 250*, 275*, 310*, 390*, 475, 490</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>SCST 391, 392</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Foreign Language Requirement: 0-4

General Electives: 0-5

Total: 124

†Students completing the required program for the BA in History, Certification as a secondary school teacher of social studies must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized proficiency examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

* A grade of C or better is required and may not be taken on the S/U basis.

In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Student Academic Services in the College of Education.

The PRAXIS II Series is required prior to graduation: 1) Subject Assessment/ Specialty Area Tests and 2) Principles of Learning and Teaching (PLT) Test. For up to date information on the PRAXIS test, please see page 80 in the College of Education section of this catalog.

The student must attain a cumulative grade-point average of 2.75 or better in courses taken at Winthrop and a minimum of a 2.0 in the 54 semester hours of the required program. The student must complete a minimum of 12 semester hours of HIST courses in residence at Winthrop University. Within the 124 semester hours required for this BA degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.
Bachelor of Science in Human Nutrition
(Didactic Program in Dietetics Option)

CADE Accredited Didactic Program in Dietetics

Students completing Winthrop University’s Didactic Program in Dietetics meet or exceed the minimum academic requirements of the Commission on Accreditation for Dietetics Education (CADE) of the American Dietetic Association. CADE is a specialized accrediting body recognized by the Council on Higher Education Accreditation and the United States Department of Education. The address and phone number of CADE are: 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, (312) 899-4876. Students will be prepared to work as entry-level dietitians after completing an accredited internship. CADE Didactic Program in Dietetics verification from Winthrop University requires completion of the BS degree in Human Nutrition with a minimum grade of C in all NUTR courses completed at Winthrop and a grade point average greater than or equal to 2.5 in all NUTR courses.

At least 32 semester hours of NUTR courses above the 299 level must be completed at Winthrop University. A maximum of 12 hours of NUTR-equivalent courses above the 199 level may be transferred into the major from another accredited institution with approval from the Director of the Didactic Program in Dietetics. No credit will be accepted for NUTR courses greater than ten years old unless the student earns a grade of “75%” or better on an examination administered by the instructor of record for the equivalent Winthrop course.

General Education Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

Critical Skills

Writing and Critical Thinking Skills

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101</td>
<td>Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>Critical Reading, Thinking, &amp; Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Quantitative Skills

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 105 or 150 or 201 or any MATH with 201 as a prerequisite</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Logic/Language/Semiotics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td></td>
<td>3-4†</td>
</tr>
<tr>
<td>MATH 141</td>
<td>Finite Probability and Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Oral Communication

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 201</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
</tbody>
</table>

Technology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16; may be met by major</td>
<td>0-3</td>
<td></td>
</tr>
</tbody>
</table>

Skills for a Common Experience and Thinking across Disciplines

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
</tbody>
</table>

Global Perspectives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Historical Perspectives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Developing Critical Skills Applying them to Disciplines

Natural Science (must take a total of 7 semester hours in Natural Sciences courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUTR 221</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 105</td>
<td>Gen Chemistry 1</td>
<td>4</td>
</tr>
</tbody>
</table>

Social Science (must include two designators)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCL 201 or ANTH 201</td>
<td>Princ of Soc or Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ECON 215</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>
Humanities and Arts
Select at least two courses from two different subject areas. See approved list, p. 16.

Intensive Writing
NUTR 534 Seminar in Human Nutrition 3

Constitution Requirement
See approved list, p. 16; may be met by other requirements 0-3

Subtotal 53-60

Requirements in Major
NUTR 226, 227, 231/232, 340A or C, 370, 371, 421, 427, 428, 471, 480, 520, 521, 523/524, 527 41-43
BIOL 308, 310 8
CHEM 106/108, 301 or 310/311, and 521 11
PSYC 206 Developmental Psychology 3
ACCT 280 Act info for Bus Decisions I 3

Foreign Language Requirement
See approved list, p. 16; may be met by other requirements 0-4

General Electives 0-4

Total 124-132

† Students completing the required program in BS Human Nutrition must demonstrate proficiency in a foreign language at or above the second semester college-level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

Bachelor of Science in Human Nutrition
(Nutrition Science Option)

Students completing Winthrop University’s Nutrition Science Option meet or exceed the minimum academic requirements for graduate study in medicine, dentistry, physical therapy, pharmacy, and physician assistant programs. At least 21 semester hours of NUTR courses above the 299 level must be completed at Winthrop University. A maximum of 12 hours of NUTR-equivalent courses above the 199 level may be transferred into the major from another accredited institution with approval from the Department Chair. No credit will be accepted for NUTR courses greater than ten years old unless the student earns a grade of “75%” or better on an examination administered by the instructor of record for the equivalent Winthrop course.

General Education Courses  Semester Hours
ACAD 101 Principles of the Learning Academy 1

Critical Skills

Writing and Critical Thinking Skills
WRIT 101 Composition 3
CRTW 201 Critical Reading, Thinking, & Writing 3

Quantitative Skills
MATH 105 or 150 or 201 or any MATH with 201 as a prerequisite 3

Logic/Language/Semiotics
Foreign Language 3-4†
MATH 141 Finite Probability and Statistics 3

Oral Communication
SPCH 201 Public Speaking 3

Technology
See approved list, p. 16 3

Skills for a Common Experience and Thinking across Disciplines

HMXP 102 The Human Experience: Who Am I? 3

Global Perspectives
See approved list, p. 16 3

Historical Perspectives
See approved list, p. 16 3

Developing Critical Skills Applying them to Disciplines
Natural Science--Must take a total of 7 semester hours in Natural Sciences courses
NUTR 221 Human Nutrition 3
CHEM 105 Gen Chemistry I 4

Social Science
SOCL 201 or ANTH 201 Princ of Soc or Cultural Anthropology 3
PSYC 101 General Psychology 3
ECON 215 Microeconomics 3

Humanities and Arts
Select at least two courses from two different subject areas. See approved list, p. 16.

Intensive Writing
NUTR 534 Seminar in Human Nutrition 3
Bachelor of Science in Human Nutrition  
(Food Systems Management Option)

Students completing Winthrop University’s Food Systems Management Option are prepared for entry-level positions in food systems administration. Career opportunities are available in both institutional and commercial food service settings. Graduates are recruited by food systems management companies. Sales positions with food and equipment companies offer additional career opportunities.

At least 22 semester hours of NUTR courses above the 299 level must be completed at Winthrop University. A maximum of 12 hours of NUTR-equivalent courses above the 199 level may be transferred into the major from another accredited institution with approval from the Department Chair. No credit will be accepted for NUTR courses greater than ten years old unless the student earns a grade of “75%” or better on an examination administered by the instructor of record for the equivalent Winthrop course.

General Education Courses

- ACAD 101 Principles of the Learning Academy 1
- Critical Skills
- Writing and Critical Thinking Skills
  - WRIT 101 Composition 3
  - CRTW 201 Critical Reading, Thinking, & Writing 3
- Quantitative Skills
  - MATH 105 or 150 or 201 or any MATH with 201 as a prerequisite 3
- Logic/Language/Semiotics
  - Foreign Language 3-4†
  - MATH 141 Finite Probability and Statistics 3
  - Oral Communication
    - SPCH 201 Public Speaking 3
- Technology
  - CSCI 101 and 3 of 101A, B, C, or P Intro to Comp & Info Proc 3
- Skills for a Common Experience and Thinking across Disciplines
  - HMXP 102 The Human Experience: Who Am I? 3
  - Global Perspectives
    - See approved list, p. 16 3
  - Historical Perspectives
    - See approved list, p. 16 3
- Developing Critical Skills Applying them to Disciplines
  - Natural Science—Must take a total of 7 semester hours in Natural Sciences courses
    - NUTR 221 Human Nutrition 3
    - CHEM 105 Gen Chemistry I 4
  - Social Science
    - SOCL 101 Social Problems 3
    - PSYC 101 General Psychology 3
    - ECON 215 Microeconomics 3
  - Humanities and Arts
    - Select at least 2 courses from 2 different subj areas.
    - See approved list, p. 16. 6
- Intensive Writing
  - NUTR 534 Seminar in Human Nutrition 3
- Constitution Requirement
  - May be met by other reqs; see approved list, p. 16 0-3
Subtotal 56-60
Requirements in Major 58
NUTR 227, 231/232, 340C, 370, 371, 421, 471, 480, 523/524 27
ACCT 280, 281 Acct Info for Business Decisions I & II 6
CHEM 106/108 General Chemistry II 4
BADM 180 Contemporary Business Issues 3
FINC 311 Principles of Finance 3
HCMT 200, 300 Intro to Health Care Mgmt, Health Care Manager 6
MGMT 321, 422 Principles of Management, Hum Res Mgmt 6
SOCL 314 Race & Ethnic Relations 3
Foreign Language Requirement 0-4
General Electives 2-10
Total 124

† Students completing the required program in BS Human Nutrition must demonstrate proficiency in a foreign language at or above the second semester college-level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

MASS COMMUNICATION

Faculty

Professors
J. William Click, Chair
Marilyn S. Sarow

Associate Professors
D. Haney Howell
Padmini Patwardhan
Guy S. Reel
Lawrence C. Timbs

Assistant Professor
Justin Brown

Instructors
Mark S. Nortz
Bonnye Stuart

Bachelor of Arts in Mass Communication

Students majoring in mass communication are interested in careers in newspaper journalism, broadcast journalism, broadcast production, media management, magazine journalism, public relations, advertising, business journalism, or online journalism.

By the time of graduation, mass communication graduates are expected to be able to gather, organize and process information; conduct interviews; write to a professional level of competence; and edit and produce, either in printed or broadcast form; all while meeting standards of professional ethics.

Students will be classified as pre-majors (MCMP) in the department until they have completed WRIT 101, HMXP 102, MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite, ECON 103 or 215, MCOM 205 and 241, and have attained a 2.0 or higher grade-point average, at which time they can apply for admission to the program.

Students are required to earn a "C-" or better in each MCOM course as well as at least a 2.0 GPA in the major.

Admission to MCOM 241 requires completion of the quantitative skills requirement (MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite); a grade of B- or better in WRIT 101 and HMXP 102; keyboard proficiency; and a 2.0 or higher cumulative GPA. Students are required to type all written assignments.

The mass communication major is limited to 37 hours of MCOM courses. Students who exceed 37 hours in MCOM will not be allowed to apply those additional hours toward the 124 hours required for the degree program.

Students are expected to complete courses generally in numerical order; for example, MCOM 205, 241, 333, 342, 410, 412, 441, 499.

At least 21 semester hours of the major must be completed at Winthrop University. A maximum of 12 semester hours may be transferred into the major from another accredited institution; additional transfer hours in journalism or mass communication will not apply toward the degree. MCOM 241 must be taken at Winthrop.

Students must complete at least 65 hours in the basic liberal arts and sciences.
### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy 1</td>
</tr>
</tbody>
</table>

### Critical Skills

- **Writing and Critical Thinking**
  - WRIT 101, CRTW 201: Composition, Crit Reading, Thinking, & Writing 6
- **Quantitative Skills**
  - MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite 3
- **Technology**
  - Met by major, MCOM 205 and 241 0
- **Oral Communication**
  - Met by major 0

### Logic/Language/Semiotics

- **Foreign Language**
  - 3-4†
- **SPCH 201**
  - Public Speaking 3

### Skills for a Common Experience and Thinking Across Disciplines

- **HMXP 102**
  - The Human Experience: Who Am I? 3
- **Global Perspectives**
  - See approved list, p. 16 3
- **Historical Perspectives**
  - HIST 212 or 308 or 507 or 509 3

### Developing Critical Skills and Applying them to Disciplines

- **Social Science**
  - See approved list, p. 16. 0-3*
- **PLSC 202, ECON 103 or 215**
  - State and Local Gov’t, Pol Economy, Princ of Microecon 6
- **Humanities and Arts**
  - See approved list, p. 16; 3 hours may be met in major. 6-9*

  *Must take 9 hours from these two categories.

### Natural Science

- 2 designators from two of three categories—earth, life sci, physical sci—must be chosen 7

### Intensive Writing

- Met in major by MCOM 412 0

### Constitution Requirement

- See approved list, p. 16; may be met by other req 0-3

### Subtotal

<table>
<thead>
<tr>
<th></th>
<th>47-51</th>
</tr>
</thead>
</table>

### Requirements in Major

- **MATH 145**
  - 3
- **MCOM 205, 241, 410, 412, 441, 499**
  - 16

### Complete one of the following sequences:

#### Journalism:

- MCOM 333, 342; one from MCOM 331 or 343 or 471 or 510; and ARTS 305 or 311 12
- MCOM Electives 9

#### Broadcast:

- MCOM 325, 346, 425, 446; and 444 or 447 15
- MCOM Electives 3

### Foreign Language Requirement

<table>
<thead>
<tr>
<th></th>
<th>0-4</th>
</tr>
</thead>
</table>

### Minor

<table>
<thead>
<tr>
<th></th>
<th>15-24</th>
</tr>
</thead>
</table>

### General Electives

<table>
<thead>
<tr>
<th></th>
<th>4-25</th>
</tr>
</thead>
</table>

### Total

<table>
<thead>
<tr>
<th></th>
<th>124</th>
</tr>
</thead>
</table>

†Students completing the required program for the B.A. degree in Mass Communication must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized proficiency examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

In addition to the required major, the student must select and complete a minor or a second major, attaining no less than a 2.0 GPA in the minor or second major. Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and in those courses included in the major.

### Bachelor of Science in Integrated Marketing Communication

Students majoring in integrated marketing communication are interested in careers in the communication professions that support the marketing of products and services to consumers and business organizations, including advertising, public relations, integrated marketing communication, and corporate communication.

By the time of graduation, integrated marketing communication graduates are expected to be able to gather, organize and process information and data, conduct interviews, write in professional style to a professional level of competence, and produce marketing communication messages and materials in printed, electronic or multimedia form, all while meeting standards of professional ethics.

Students will be classified as pre-majors (IMCP) in the program until completion of 19 hours of coursework (MATH 150, WRIT 101, HMXP 102, ECON 215, CSCI 101 & 101ABC, IMCO 105, and MCOM 241) with a minimum GPA of 2.0. Students must apply to the Integrated Marketing Communication Committee for admission into the program.
Students are required to earn a “C-” or better in each course in IMCO, MCOM, MGMT and MKTG. Keyboard proficiency is required for MCOM 241.

The integrated marketing communication major is limited to 36 hours of MCOM and IMCO courses and 30 hours of business administration courses. Students who exceed these maxima will not be allowed to apply those additional hours toward the required degree program. An IMCO major cannot minor in business administration.

Students are expected to complete courses in the major in the prescribed order. Assigned academic advisers should be consulted regarding course selection and sequencing.

At least 35 semester hours of the 47 required hours in mass communication and business administration must be completed at Winthrop University. A maximum of 12 semester hours may be transferred into the major from other accredited institutions; additional transfer hours in journalism, mass communication, marketing and management will not apply toward the major and will not apply toward the degree if they exceed the maxima of 36 hours in MCOM and IMCO or 30 hours in business administration. Students must complete at least 65 hours in the basic liberal arts and sciences.

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

| Critical Skills | Writing and Critical Thinking | WRIT 101, CRTW 201 Composition, Crit Reading, Thinking, & Writing | 6 |

| Quantitative Skills | MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite | 3 |

| Technology | Met by major | 0 |

| Oral Communication | Met by major | 0 |

<table>
<thead>
<tr>
<th>Logic/Language/Semiotics</th>
<th>Foreign Language</th>
<th>3-4†</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 201 Public Speaking</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

| Skills for a Common Experience and Thinking Across Disciplines | HMXP 102 The Human Experience: Who Am I? | 3 |

| Global Perspectives | See approved list, p. 16 | 3 |

| Historical Perspectives | HIST 212 or 308 or 507 or 509 | 3 |

<table>
<thead>
<tr>
<th>Developing Critical Skills and Applying them to Disciplines</th>
<th>Social Science</th>
<th>See approved list, p. 16</th>
<th>0-3*</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 101, ECON 215 Gen Psyc, Prin of Microecon</td>
<td>6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Humanities and Arts | See approved list, p. 16; 3 may be met in major | 3-6* |
|-------------------|-----------------------------------------------|

*Must take 6 hours from these two categories.

| Natural Science | See approved list, p. 16; 2 categories; one must have a lab | 7 |

| Intensive Writing | See approved list, p. 16; may be met by other requirement | 0-3 |

| Constitution Requirement | See approved list, p. 16; may be met by other requirement | 0-3 |

| Subtotal | 44-51 |

| Requirements in Major | IMCO 105, 475 Intro to Integ Mktg Comm, Seminar in IMC | 4 |
|-----------------------|---------------------------------------------------|
| MCOM 241, 341, 349, 370, 410, 461 or 462 or 463, 471, 499; and one MCOM elective other than 205; | 21 |
| ACCT 280; MKTG 380, 381, 481, 482; MGMT 321 and 341 | 3 |
| ARTS 305 or 311 or VCOM 222 or 258 or 259 | 6 |
| QMTH 205 and 206 | Applied Statistics I & II |
| CSCI 101 & CSCI 101A, B & C | Intro to Comp & Information Processing |

| Foreign Language Requirement | 0-4 |

| General Electives | 7-20 |

| Total | 124 |

†Students completing the required program for the B.S. degree in Integrated Marketing Communication must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score of a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours numbered above 299. The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the required courses in the integrated marketing communication program.
COLLEGE OF ARTS & SCIENCES—MATHEMATICS

MATHEMATICS

Faculty

Professors
Gary T. Brooks
Ronnie C. Goolsby
Heakyung Lee
Thomas W. Polaski
Danny W. Turner

Assistant Professors
Carlos E. Caballero
Trent Kull
Joseph Rusinko
Dawn Strickland

Instructors
Iris Coleman

Lecturer
Nanette Altman
Brian Hipp
Christopher Howle
Ovid Mentore

Associate Professor
Beth G. Costner, Chair
Frank B. Pullano

Bachelor of Arts in Mathematics

The Bachelor of Arts in Mathematics program is designed to provide a broad introduction to the study of mathematics and its sub-fields and to allow students to pursue a minor in a related field of study. This program is the more flexible option for students wishing to complete combined majors. In addition to a core of courses and elective options in mathematics, this program allows students to pursue internships, individualized independent study, and undergraduate research with faculty members. This program equips students to follow a variety of post-college paths: graduates of this program pursue further education at graduate schools in related disciplines or hold responsible positions in businesses and governmental agencies.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td>Critical Skills</td>
<td></td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201 Critical Reading, Thinking, &amp; Writing</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
</tr>
<tr>
<td>Met by major</td>
<td>0</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3-4†</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>0-3</td>
</tr>
<tr>
<td>Technology</td>
<td>0</td>
</tr>
<tr>
<td>Skills for a Common Experience and Thinking Across Disciplines</td>
<td></td>
</tr>
<tr>
<td>HMXP 102 The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>Developing Critical Skills and Applying them to Disciplines</td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; from 2 categories &amp; 1 must</td>
<td></td>
</tr>
<tr>
<td>be a lab science</td>
<td>7</td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; must include 2 designators</td>
<td>6-9*</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; must include 2 designators</td>
<td>6-9*</td>
</tr>
<tr>
<td>*Must have a total of 15 hours in these two categories.</td>
<td></td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>0-3</td>
</tr>
<tr>
<td>Constitution Requirement</td>
<td>0-3</td>
</tr>
<tr>
<td>Subtotal</td>
<td>41-51</td>
</tr>
<tr>
<td>Requirements in the Major</td>
<td>44</td>
</tr>
<tr>
<td>MATH 201, 202, 300, 301, 310, 341, 351, 400, 509, 541</td>
<td>32</td>
</tr>
<tr>
<td>Select 3 additional hours from MATH 305 or 355</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 151, 207 Overview of Comp Sci, Intro to Comp Sci I</td>
<td>7</td>
</tr>
<tr>
<td>MAED 200, 400 Intro to Mathematica, Assessment Capstone</td>
<td>2</td>
</tr>
<tr>
<td>Minor</td>
<td>15-24</td>
</tr>
<tr>
<td>Foreign Language Requirement</td>
<td>0-4</td>
</tr>
<tr>
<td>General Electives</td>
<td>4-19</td>
</tr>
<tr>
<td>Total</td>
<td>124</td>
</tr>
</tbody>
</table>

†Students completing the required program for the BA degree in mathematics must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be applied to the Logic/Language/Semiotics Area.

The student must attain a cumulative GPA of 2.0 or better in courses taken at Winthrop and in the 44 semester hours of the required program. The student must complete a minimum of 12 semester hours of MATH courses in
residence at Winthrop University. In addition to the 44 hours of the required program, the student must select and complete a minor, attaining no less than a 2.0 GPA in the minor. Within the 124 hours required for this degree, the student must also include a minimum of 40 hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major. Students desiring certification as teachers of mathematics should consult the specific program requirements listed in the next section.

**Bachelor of Arts in Mathematics - Certification as Secondary School Teacher**

The Bachelor of Arts in Mathematics with certification program is designed to provide a broad introduction to the study of mathematics and its sub-fields while providing a path for certification for mathematics teaching in grades 9 through 12. In addition to a core of courses and elective options in mathematics, this program allows students to pursue individualized independent study and undergraduate research with faculty members. This program equips students to teach the variety of mathematics courses offered at the high school level and to communicate the connections between various mathematical ideas in a manner appropriate for high school students. Graduates of this program are sought-after candidates for teaching positions across South Carolina and beyond.

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>1</td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td>0</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td>3-4†</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Met by major</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>Met by major</td>
</tr>
<tr>
<td>Technology</td>
<td>Met by major</td>
</tr>
<tr>
<td>Skills for a Common Experience and Thinking Across Disciplines</td>
<td></td>
</tr>
<tr>
<td>HMXP 102</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>See approved list, p. 16</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>See approved list, p. 16</td>
</tr>
<tr>
<td>Developing Critical Skills and Applying them to Disciplines</td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td>See list, p. 16; from 2 categories &amp; 1 must be a lab science</td>
</tr>
<tr>
<td>Social Science</td>
<td>See approved list, p. 16; must include 2 designators</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>See approved list, p. 16; must include 2 designators</td>
</tr>
<tr>
<td>*Must have a total of 15 hours in these two categories.</td>
<td></td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>Met by major</td>
</tr>
<tr>
<td>Constitution Requirement</td>
<td>See approved list, p. 16; may be met by other requirements</td>
</tr>
<tr>
<td>Subtotal</td>
<td>41-45</td>
</tr>
<tr>
<td>Requirements in Major</td>
<td>48</td>
</tr>
<tr>
<td>MATH 201, 202, 300, 301, 310, 341, 351, 509, 520, 541</td>
<td>33</td>
</tr>
<tr>
<td>Select 3 additional hours from MATH 305 or 355</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 151, 207</td>
<td>Overview of Comp Sci, Intro to Comp Sci 1</td>
</tr>
<tr>
<td>MAED 200, 400, 548</td>
<td>Intro to Mathematica, Assess Capstone, Sec Math Curr</td>
</tr>
<tr>
<td>Professional Education Sequence</td>
<td>33</td>
</tr>
<tr>
<td>EDUC 110, 210, 250, 275, 310, 390, 475, 490</td>
<td>Education Core</td>
</tr>
<tr>
<td>MAED 391, 392</td>
<td>Prin of Teaching Math, Field Exp in Teach Math</td>
</tr>
<tr>
<td>Foreign Language Requirement</td>
<td>0-4</td>
</tr>
<tr>
<td>General Electives</td>
<td>0-6</td>
</tr>
<tr>
<td>Total</td>
<td>124-130</td>
</tr>
</tbody>
</table>

†Students completing the required program for the BA degree in mathematics must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

** A grade of C or better is required in EDUC 110, 210, 250, 275, 310, and 390 and may not be taken on the S/U basis.

Department of Mathematics requirements for admission into MAED 392, Field Experience in Teaching Mathematics:
1. Meet all requirements as specified by the College of Education.
2. Must have completed the following professional education courses: EDUC 110, 210, 250, 275 and 310.
3. Must have completed or be completing 24 hours of mathematics courses including MATH 201, 202, 300, 301, 350, and MAED 548.
4. Must earn a C or better in MATH 300.
5. Must have completed the Mathematics Department Bridge experience which consists of 13 hours (1 hour per week).
of service in the Winthrop Mathematics Tutorial Center while enrolled in MAED 548.
6. Must have a letter of recommendation from a member of the Department of Mathematics faculty.

Department of Mathematics requirements for admission into EDUC 475, Internship in Reflective Practice:
1. Meet all requirements specified by the College of Education.
2. Must have a grade of C or better in MATH 520, EDUC 310, and MAED 391, as well as an S in MAED 392.
3. Must have maintained a 2.00 or higher gpa in all courses in the major program taken at Winthrop University as well as a 2.75 or higher gpa overall.
4. Must have passed either the Praxis II—Mathematics: Content Knowledge (Test 10061) or Mathematics: Proofs, Models, and Problems, Part 1 (graphing calculator required) (Test 20063).
5. Must have completed all course work necessary for graduation with the exception of EDUC 475 and 490.

Within the 124-130 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of cooperative education experience can count toward the major.

Bachelor of Science in Mathematics

The Bachelor of Science in Mathematics program is designed to provide a broad introduction to the study of mathematics and its sub-fields and to give students the opportunity to master advanced material in mathematics and allied disciplines. This program requires additional mathematics courses beyond those required for the Bachelor of Arts in Mathematics programs and thus offers students the ability to explore advanced topics in mathematics more extensively. This program allows students to pursue internships, individualized independent study, and undergraduate research with faculty members. This program equips students to follow a variety of post-college paths and is specifically designed to prepare students for graduate work in mathematics. Graduates of this program typically pursue further education at graduate schools in mathematics and allied disciplines, teach in post-secondary settings, and hold responsible positions in businesses and governmental agencies.

General Education Courses

| ACAD 101 | Principles of the Learning Academy | 1 |
| WRIT 101 | Composition | 3 |
| CRTW 201 | Critical Reading, Thinking, & Writing | 3 |
| Quantitative Skills | Met by major | 0 |
| Foreign Language | See approved list, p. 16 | 0-3 |
| Oral Communication | | 0-3 |
| Technology | Met by major | 0 |
| HMPX 102 | The Human Experience: Who Am I? | 3 |
| Global Perspectives | See approved list, p. 16 | 3 |
| Historical Perspectives | See approved list, p. 16 | 3 |
| Natural Science | Must complete one course from life or earth science | 3 |
| Social Science | See approved list, p. 16; must include 2 designators | 6-9* |
| Humanities and Arts | See approved list, p. 16; must include 2 designators | 6-9* |
| Intensive Writing | See approved list, p. 16; may be met by other requirements | 0-3 |
| Constitution Requirement | See approved list, p. 16; may be met by other requirements | 0-3 |

| Subtotal | 37-47 |
| Required Program | 67 |
| MATH 201, 202, 300, 301, 305, 310, 341, 351, 355, 400, 509, 541 | 38 |
| MATH electives above 300 (excluding 393 and 546) | 12 |
| MAED 200, 400 | Intro to Mathematica, Assessment Capstone | 2 |
| CSCI 151, 207, 208 | Overview of Comp Sci, Intro to Comp Sci I&II | 11 |
| PHYS 211 | Physics with Calculus I | 4 |
| Foreign Language Requirement | 0-4 |
| General Electives | 6-15 |
| Total | 124 |

†Students completing the required program for the BS degree in mathematics must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.
The Bachelor of Science in mathematics program with certification is designed to provide a broad introduction to the study of mathematics and its sub-fields, to give students the opportunity to master advanced material in mathematics and allied disciplines, and to provide a path for certification for mathematics teaching in grades 9 through 12. This program requires additional mathematics courses beyond those required for the Bachelor of Arts in mathematics with certification program and thus offers students the ability to explore advanced topics and mathematics more extensively. This program allows students to pursue individualized independent study and undergraduate research with faculty members. This program equips students to teach the variety of mathematics courses offered at the high school level and to communicate the connections between various mathematical ideas in a manner appropriate for high school students. Graduates of this program are sought-after candidates for teaching positions across South Carolina and beyond, and often pursue further education at graduate schools in mathematics, education, and allied disciplines.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

Critical Skills

<table>
<thead>
<tr>
<th>Writing and Critical Thinking</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201 Critical Reading, Thinking, &amp; Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Quantitative Skills

<table>
<thead>
<tr>
<th>Met by major</th>
<th></th>
</tr>
</thead>
</table>

Logic/Language/Semiotics

<table>
<thead>
<tr>
<th>Foreign Language See additional requirements in major</th>
<th>3-4†</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Communication Met by major</td>
<td>0</td>
</tr>
<tr>
<td>Technology Met by major</td>
<td>0</td>
</tr>
</tbody>
</table>

Skills for a Common Experience and Thinking Across Disciplines

<table>
<thead>
<tr>
<th>HMXP 102 The Human Experience: Who Am I?</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Perspectives See approved list, p. 16</td>
<td>3</td>
</tr>
<tr>
<td>Historical Perspectives See approved list, p. 16</td>
<td>3</td>
</tr>
</tbody>
</table>

Developing Critical Skills and Applying them to Disciplines

| Natural Science Must complete one course from life or earth science | 3             |
| Social Science See approved list, p. 16; must include 2 designators | 6-9*           |
| Humanities and Arts See approved list, p. 16; must include 2 designators | 6-9*           |

Intensive Writing Met in major by MAED 548 | 0

Constitution Requirement See approved list, p. 16 | 0-3

Subtotal 38-41

Requirements in Major 65

| MATH 201, 202, 300, 301, 305, 310, 341, 351, 355, 509, 520, 541 | 39  |
| MATH electives above 300 (excluding 393 and 546) | 6  |
| MAED 200, 400, 548 Intro to Mathematica, Assess Capstone, Sec Math Curr | 5  |
| CSCI 151, 207, 208 Overview of Comp Sci, Intro to Comp Sci I & II | 11 |
| PHYS 211 Physics with Calculus I | 4 |

Professional Education Sequence

| EDUC 110, 210, 250, 275, 310, 390, 475, 490 Education Core | 29** |
| MAED 391, 392 Prin of Teaching Math, Field Exp in Teach Math | 4 |

Foreign Language Requirement 0-4

Total 134-143

†Students completing the required program for the BS degree in mathematics must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

**A grade of C or better is required in EDUC 110, 210, 250, 275, 310, and 390 and may not be taken on the S/U basis.

Department of Mathematics requirements for admission into MAED 392, Field Experience in Teaching Mathematics:

1. Meet all requirements as specified by the College of Education.
2. Must have completed the following professional education courses: EDUC 110, 210, 250, 275 and 310.
3. Must have completed or be completing 24 hours of mathematics courses including MATH 201, 202, 300, 301, 350,
Department of Mathematics requirements for admission into EDUC 475, Internship in Reflective Practice:
1. Meet all requirements specified by the College of Education.
2. Must have a grade of C or better in MATH 520, EDUC 310, and MAED 391, as well as an S in MAED 392.
3. Must have maintained a 2.00 or higher GPA in all courses in the major program taken at Winthrop University as well as a 2.75 or higher GPA overall.
4. Must have passed either the Praxis II—Mathematics: Content Knowledge (Test 10061) or Mathematics: Proofs, Models, and Problems, Part 1 (graphing calculator required) (Test 20063).
5. Must have completed all course work necessary for graduation with the exception of EDUC 475 and 490.

Within the 124-130 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of cooperative education experience can count toward the major.

MODERN LANGUAGES

Faculty

Professors
Donald Flanell Friedman
Kenneth A. Gordon, Chair
Pedro M. Muñoz

Associate Professors
Barbara Esquivel-Heinemann
Cecile Leung

Instructors
Catalina Adams
Victoria Uricoechea

Lecturers
Troy Briles
Donna Carpentier
Darlene Hegel
Nan Landsman
Robert Loebe
Mercedes Martell
Concetta Morris
Charlene G. Rodriguez
Deann M. Segal
Tom Shealy, Professor Emeritus
Jialin Shen
Renee Wilson

Bachelor of Arts in Modern Languages

The Department of Modern and Classical Languages offers a BA in Modern Languages with two specializations, Spanish and French. Students majoring in foreign language have gone on to graduate school in advanced language study or international business, have entered the teaching profession, or have obtained positions in translation services and bilingual capacities in business and industry and in travel agencies.

The beginning courses (101-102), or the equivalent, are prerequisites for all other courses; however, they may not be applied toward fulfillment of the required program in any language. Beginning courses (101-102) in another language may be applied to the six hours required in the second language.

Students may obtain credit for French, German, or Spanish 101 and/or 102 upon completion of the appropriate course with a grade of B or higher. Credit will not be given for courses for which university credit has been awarded previously. No grade is assigned to this credit. A grade is received only for the course taken at Winthrop. The course credits that can be earned are summarized on page 20. For further information, contact the Chair of the Department of Modern Languages.

Bachelor of Arts in Modern Languages—French

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td>Critical Skills</td>
<td></td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201 Critical Reading, Thinking, &amp; Writing</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
</tr>
<tr>
<td>MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite</td>
<td>3</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Met by major</td>
</tr>
</tbody>
</table>
### Bachelor of Arts in Modern Languages — Spanish

**General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

**Critical Skills**

<table>
<thead>
<tr>
<th>Category</th>
<th>Course(s)</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing and Critical Thinking</td>
<td>WRIT 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CRTW 201 Critical Reading, Thinking, &amp; Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Quantitative Skills**

- See approved list, p. 16; select from 2 categories and one must be a lab science
- MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite

**Logic/Language/Semiotics**

- Foreign Language
- CSCI; PHIL 220 or 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261

**Oral Communication**

- See approved list, p. 16; may be met by another req

**Technology**

- See approved list, p. 16; may be met by another req

**Skills for a Common Experience and Thinking Across Disciplines**

- HMXP 102 The Human Experience: Who Am I?
- See approved list, p. 16; may be met by major

**Historical Perspectives**

- See approved list, p. 16

**Developing Critical Skills Applying them to Disciplines**

- Natural Science
- Social Science
- Humanities and Arts

- See approved list, p. 16; select from 2 designators
- See approved list, p. 16; select from 2 designators

* A total of 15 semester hours must be taken from these two categories.

**Intensive Writing**

- See approved list, p. 16; may be met by other requirement

**Constitution Requirement**

- See approved list, p. 16; may be met by other requirement

**Subtotal**

- 44-56

**Requirements in Major**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 201, 202, 250, 301 or 302, 310, 401 or 402, 499</td>
<td>19</td>
</tr>
<tr>
<td>FREN electives above 202 (excluding 575; may include MLAN 330A or 530A)</td>
<td>7</td>
</tr>
<tr>
<td>FREN 500-level electives</td>
<td>3</td>
</tr>
<tr>
<td>Second Foreign Language (excluding 575)</td>
<td>6-8</td>
</tr>
</tbody>
</table>

**Minor**

- 15-24

**General Electives**

- 7-30

**Total**

- 124

A competency exam on the basic skills may be administered to all majors, minors and any interested students after completion of the intermediate sequence (201, 202, 250). The exam is diagnostic, and remedial work, if needed, will be recommended.
Students should enroll in 499 and will be tested individually, after completion of 18 semester hours above 102, usually no later than the second semester of the junior year, and before enrollment in any 500-level course. Remedial work, if needed, will be recommended. A grade of S is required for graduation.

The student must complete a minimum of 12 semester hours in the major in residence at Winthrop University. In addition to the 36 semester hours of the required program, the student must select and complete a minor, attaining no less than a 2.0 GPA in the minor. Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.

Bachelor of Arts in Modern Languages Certification as School Teacher (K-12) (French or Spanish Emphasis)

Students desiring Certification as teachers of French or Spanish should consult with the department’s teacher certification advisor and the College of Education section of the catalog for specific requirements for admission to the Teacher Education Program.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>1</td>
</tr>
<tr>
<td>Principles of the Learning Academy</td>
<td></td>
</tr>
<tr>
<td>Critical Skills</td>
<td></td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101</td>
<td>3</td>
</tr>
<tr>
<td>Composition</td>
<td></td>
</tr>
<tr>
<td>CRTW 201</td>
<td>3</td>
</tr>
<tr>
<td>Critical Reading, Thinking, &amp; Writing</td>
<td></td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
</tr>
<tr>
<td>MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite</td>
<td>3</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Met by major</td>
</tr>
<tr>
<td>CSCE; PHIL 220-225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>Met by major</td>
</tr>
<tr>
<td>Technology</td>
<td>Met by major</td>
</tr>
<tr>
<td>Skills for a Common Experience and Thinking across Disciplines</td>
<td></td>
</tr>
<tr>
<td>HMPX 102</td>
<td>The Human Experience: Who Am I?</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>Met by major for Spanish; French, see approved list, p.16</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>See approved list, p. 16</td>
</tr>
<tr>
<td>Developing Critical Skills Applying them to Disciplines</td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td>See list, p. 16; from 2 categories &amp; 1 must be a lab science</td>
</tr>
<tr>
<td>Social Science</td>
<td>See approved list, p. 16; must include 2 designators</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>Select at least 2 courses from 2 different subj areas</td>
</tr>
<tr>
<td>*A total of 15 hours must be taken from these two areas.</td>
<td></td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>See approved list, p. 16; may be met by other requirement</td>
</tr>
<tr>
<td>Constitution Requirement</td>
<td>See approved list, p. 16; may be met by other requirement</td>
</tr>
<tr>
<td>Subtotal</td>
<td>41-50</td>
</tr>
<tr>
<td>Requirement in Major (Select one emphasis from the following.)</td>
<td>35-37</td>
</tr>
<tr>
<td>French Emphasis: FREN 201, 202, 250, 301 or 302, 310, 401 or 402, 499</td>
<td>19</td>
</tr>
<tr>
<td>Select courses from FREN above 202 to include at least 3 hours at the 500 level</td>
<td>10</td>
</tr>
<tr>
<td>Electives in a second foreign language (excluding 575)</td>
<td>6-8</td>
</tr>
<tr>
<td>Spanish Emphasis: 201, 202, 225, 250, 301 or 302, 310, 401or 402, 499</td>
<td>19</td>
</tr>
<tr>
<td>Select courses from SPAN above 202 to include at least 3 hours at the 500 level</td>
<td>10</td>
</tr>
<tr>
<td>Electives in a second foreign language (excluding 575)</td>
<td>6-8</td>
</tr>
<tr>
<td>Professional Education Sequence</td>
<td>33</td>
</tr>
<tr>
<td>EDUC 110**, 210**, 250**, 275**, 310<em><strong>~, 390</strong></em><del>, 475</del>, 490~</td>
<td>29</td>
</tr>
<tr>
<td>MLAN 391~, 392~</td>
<td>Prin of Teach and Field Exp in Teach Mod Lang</td>
</tr>
<tr>
<td>General Electives</td>
<td>4-15</td>
</tr>
<tr>
<td>Total</td>
<td>124</td>
</tr>
</tbody>
</table>

**A grade of C or better must be earned and may not be taken for S/U credit.

~Restricted to students admitted to the Teacher Education Program.

In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Student Academic Services in the Richard W. Riley College of Education.

The PRAXIS II Series is required prior to graduation: 1) Subject Assessment/Specialty Area Tests and 2) Principles of Learning and Teaching (PLT) Test. For up to date information on the PRAXIS test, please see page 80 in the College of Education section of this catalog.
The student must attain a cumulative grade-point average of 2.75 or better in courses taken at Winthrop and a GPA of 2.0 or better in the 36 hours of the required program. The student must complete a minimum of 12 semester hours in the major in residence at Winthrop University. Within the 124 semester hours required for the BA degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.

PHILOSOPHY AND RELIGIOUS STUDIES

Faculty

Associate Professors
Peter J. Judge, Chair
David Meeler
Kristin Beise Kiblinger

Assistant Professors
William P. Kiblinger
M. Gregory Oakes

Professors Emeriti
Houston Craighead
William W. Daniel

Bachelor of Arts in Philosophy and Religion

The study of Philosophy and Religion develops the skills of critical analysis at the most fundamental levels of human understanding. Students trained in philosophy and religion have pursued careers in teaching, ministry, law, medicine, management, publishing, sales, criminal justice and other fields.

Students may concentrate in either subject depending on career goals. Those planning graduate study in philosophy or religious studies would select the appropriate concentration.

The major program requires a total of 36 semester hours, including a required program of 18 hours and selection of 18 hours from one of three tracks.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
</tr>
</tbody>
</table>

Critical Skills

Writing and Critical Thinking

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101</td>
<td>Composition</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>Critical Reading, Thinking, &amp; Writing</td>
</tr>
</tbody>
</table>

Quantitative Skills

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite</td>
<td>3</td>
</tr>
</tbody>
</table>

Logic/Language/Semiotics

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>3-4†</td>
</tr>
<tr>
<td>PHIL 220 or 225</td>
<td>Met by major requirements</td>
</tr>
</tbody>
</table>

Oral Communication

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16; may be met by another requirement</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Technology

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16; may be met by another requirement</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Skills for a Common Experience and Thinking Across Disciplines

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>Met by major requirements</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>Met by major requirements</td>
</tr>
</tbody>
</table>

Developing Critical Skills Applying them to Disciplines

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>Select from 2 categories and one must be a lab science</td>
</tr>
<tr>
<td>Social Science</td>
<td>See approved list, p. 16; must include 2 designators</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>Met in major</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>Met in major</td>
</tr>
</tbody>
</table>

Constitution Requirement

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16; may be met by another requirement</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Subtotal 29-39

Requirements in Major 18

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 220</td>
<td>Logic and Language</td>
</tr>
<tr>
<td>RELG 201</td>
<td>Intro to Religious Studies</td>
</tr>
<tr>
<td>PHIL 301 or 302</td>
<td>Hist of Phil: Ancient Period/Modern Period</td>
</tr>
<tr>
<td>RELG 300</td>
<td>World Religions</td>
</tr>
<tr>
<td>PHIL/RELG 390</td>
<td>Philosophy of Religion</td>
</tr>
<tr>
<td>PHIL 495 or RELG 495</td>
<td>Meth &amp; Research in Philosophy/Religion</td>
</tr>
</tbody>
</table>

Select from one of three tracks:

A. Philosophy Track 18

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Philosophy (6 hours)</td>
<td>Theories of Knowledge</td>
</tr>
<tr>
<td>PHIL 310</td>
<td>Metaphysics</td>
</tr>
</tbody>
</table>

Historical Development (3-6 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 301</td>
<td>Hist of Phil: Ancient Period (if not taken in major req.)</td>
</tr>
</tbody>
</table>
**COLLEGE OF ARTS & SCIENCES--PHILOSOPHY AND RELIGIOUS STUDIES**

PHIL 302  Hist of Phil: Modern Period (if not taken in major req.)  3  
PHIL 303  Existentialism  3  
PHIL 305  American Philosophy  3  

**Value Theory (at least 3 hours)**

PHIL 315  Historical Dev in Moral Reasoning  3  
PHIL 320  Professional Ethics  3  
PHIL 340  Environmental Ethics  3  
PHIL 575  Business Ethics  3  

Elect from other PHIL courses (3-6 hours)  

**B. Religious Studies Track**  18  
RELG 220  Reading Biblical Texts  3  
Elect from other RELG courses  15  

**C. Combined Track**  18  
Elect from PHIL or RELG courses  

**Foreign Language**  
0-4  

**Minor**  
15-24  

**General Electives**  
21-41  

**Total**  124  

†Students completing the required program for the BA degree in Philosophy and Religious Studies must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

The student must attain a cumulative grade-point average of 2.00 or better in courses taken at Winthrop and included in the 36 semester hours of the required program. The student must complete a minimum of 12 semester hours of PHIL and/or RELG courses in residence at Winthrop University. In addition to the 36 semester hours of the required programs, the student must select and complete a minor, attaining no less than a 2.00 GPA in the minor. Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299.

**POLITICAL SCIENCE**

**Faculty**

**Professors**  
Timothy S. Boylan  
Karen M. Kedrowski, Chair  
Stephen S. Smith  
Christopher Van Aller  

**Associate Professors**  
Adolphus G. Belk, Jr.  
Jennifer Leigh Disney  
Scott Huffmon  
Michael Lipscomb  

**Lecturers**  
Katarina Moyon  
Meredith Petersheim  
David Vehaun  

**Professor Emeritus**  
Melford A. Wilson, Jr.

**Bachelor of Arts in Political Science**

The study of political science provides students with an understanding of politics, law, international relations, government and public administration. Recent graduates have gone to work for local, state, national and international organizations. A large percentage of our graduates go to graduate or law school.

**General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>1</td>
</tr>
</tbody>
</table>

**Critical Skills**

**Writing and Critical Thinking**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>3</td>
</tr>
</tbody>
</table>

**Quantitative Skills**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite</td>
<td>3</td>
</tr>
</tbody>
</table>

**Logic/Language/Semiotics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>3-4†</td>
</tr>
</tbody>
</table>
**MATH 145** Statistical Meth for Comm the Analysis of Data 3
**Oral Communication** May be met in major 0-3
**Technology** See approved list, p. 16; may be met by another req 0-3

### Skills for a Common Experience and Thinking Across Disciplines

**HMXP 102** The Human Experience: Who Am I? 3
**Global Perspectives** Met by major requirements 0
**Historical Perspectives** See approved list, p. 16 3

### Developing Critical Skills Applying them to Disciplines

**Natural Science** Select from 2 categories and one must be a lab science 7
**Social Science** 3-6 met in major, 3-6 from other designators 3-6*
**Humanities and Arts** 3 may be met in major, 3-6 from other designators 6-9*

* a total of 12 semester hours from these two categories must be taken

**Intensive Writing** May be met in major 0-3
**Constitution Requirement** Met in major by PLSC 201 0

**Subtotal** 41-51

### Required Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLSC 201 American Government</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 350 Scope and Methods</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 490, 450H, or HONR 450H Sr Capstone, Thesis Research</td>
<td>3</td>
</tr>
</tbody>
</table>

### American Government


### Comparative Government and International Relations

Select from PLSC 205, 207, 260, 332, 335, 336, 337, 338, 345, 354, 504, 505, 506, or 508 3

### Political Theory

Select from PLSC 351, 352, 355, 356, 551 or 553 3

### Public Administration

Select from PLSC 320, 321, 323, 325, 512 or 524H 3

### Experiential Learning Requirement

Select from PLSC 260, 307, 337, 470, 471, 472, 473, 501, 502, 503 or 514 0-3

(Course may also be used to meet another degree requirement.)

### PLSC electives

6-15

### Foreign Language Requirement

0-4

### Minor

15-24

### General Electives

9-38

**Total** 124

**Note:** Students are limited to a total of nine hours in the major in PLSC 450H, 471, 472, 473, 498, 501, 502, and 503 combined.

†Students completing the required program for the BA degree in Political Science must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 30-36 semester hours of the required program. The student must complete a minimum of 12 semester hours of PLSC courses in residence at Winthrop University. In addition to the 30-36 semester hours of the required program, the student must select and complete a minor, attaining no less than a 2.0 GPA in the minor. Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299.

### Bachelor of Arts in Political Science

**Certification as Secondary School Teacher for Social Studies**

Students desiring Certification as teachers of social studies should consult with the social studies teacher certification adviser and the College of Education section of the catalog for specific requirements for admission to the Teacher Education Program.

### General Education Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

### Critical Skills

**Writing and Critical Thinking**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101</td>
<td>Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>Critical Reading, Thinking, &amp; Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

### Quantitative Skills

**MATH 105 or 150 or 201 or a MATH with 201 as a prerequisite** 3

### Logic/Language/Semiotics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td></td>
<td>3-4†</td>
</tr>
</tbody>
</table>

†Students completing the required program for the BA degree in Political Science must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.
MATH 145  Statistical Meth for Comm the Analysis of Data  3
Oral Communication  May be met in major  0-3
Technology  Met in major  0

Skills for a Common Experience and Thinking Across Disciplines
HMXP 102  The Human Experience: Who Am I?  3
Global Perspectives  Met in major  0
Historical Perspective  Met in major  0

Developing Critical Skills/Applying them to Disciplines
Natural Science  See list, p. 16; from 2 categories & 1 must be a lab science  7
Social Science  Met in major  0
Humanities and Arts  3 hours met in major; remaining 3 from second designator on approved list, p. 16  0-3
Intensive Writing  See approved list, p. 16; may be met in major  0-3
Constitution Requirement  Met in major by PLSC 201  0

Subtotal  26-36

Requirements in Major  60-66
PLSC 201, 350, 490 or 450H or HONR 450H  9
ANTH 201; ECON 215, 216; GEOG 101; GEOG 201 or 303 or 304 or 306; HIST 211, 212, and 2 of 111, 112, 113; SOCL 101  30
Comparative Government and International Relations  Select from PLSC 205, 207, 260, 332, 335, 336, 337, 338, 345, 504, 505, 506, or 508  3
Political Theory  Select from PLSC 351, 352, 355, 356, 551 or 553  3
Public Administration  Select from PLSC 320, 321, 323, 325, 512, or 524H  3
Experiential Learning Requirement  Met with EDUC 475  Internship in Reflective Practice  0

PLSC electives  9-15

Professional Education Sequence:
EDUC 110, 210, 250, 275, 310, 390, 475, 490, SCST 391-392  33*

Foreign Language Requirement  0-4
General Electives  0-5
Total  124-139

Note: Students are limited to a total of nine hours in the major in PLSC 450H, 471, 472, 473, 498, 501, 502, and 503 combined.

†Students completing the required program for the BA degree in Political Science must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

* A grade of C or better is required in EDUC 110, 210, 250, 275, 310, 390, and 390 and may not be taken on the S/U basis.

~Restricted to students admitted to the Teacher Education Program.

In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Student Academic Services in the College of Education.

The PRAXIS II Series is required prior to graduation: 1) Subject Assessment/Specialty Area Tests and 2) Principles of Learning and Teaching (PLT) Test. For up to date information on the PRAXIS test, please see page 80 in the College of Education section of this catalog.

The student must attain a cumulative grade-point average of 2.75 or better in courses taken at Winthrop and a minimum of a 2.0 in the 60-66 semester hours of the required program. The student must complete a minimum of 12 semester hours of PLSC courses in residence at Winthrop University. Within the 124-139 semester hours required for the BA degree, the student must include a minimum of 40 hours in courses numbered above 299.
Bachelor of Arts in Political Science
Concentration in Public Policy and Administration

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
</tr>
</tbody>
</table>

Critical Skills

Writing and Critical Thinking

- WRIT 101: Composition | 3
- CRTW 201: Critical Reading, Thinking, & Writing | 3

Quantitative Skills

Math 105 or 150 or 201 or a Math course with 201 as a prerequisite | 3

Logic/Language/Semiotics

Foreign Language | 3-4†
- MATH 145: Statistical Meth for Comm the Analysis of Data | 3

Oral Communication

- May be met in major | 0-3

Technology

- CSCI 101 & 3 of CSCI 101 A, B, C, or P: Intro to Comp & Info Processing and labs | 3

Skills for a Common Experience and Thinking Across Disciplines

HMXP 102: The Human Experience: Who Am I? | 3

Global Perspectives

- Met in major | 0

Historical Perspectives

- See approved list, p. 16 | 3

Developing Critical Skills/Applying them to Disciplines

Natural Science

- Select from 2 categories and one must be a lab science | 7

Social Science

- Met in major | 0

ECON 216: Macroeconomics | 3

Humanities and Arts

- 3 may be met in major, 3-6 from another designator | 3-6

Intensive Writing

- See approved list, p. 16; may be met in major | 0-3

Constitution Requirement

- Met in major by PLSC 201 | 0

Subtotal | 38-48

Required Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLSC 201, 202, 321, 323, 350, 473</td>
<td>18</td>
</tr>
<tr>
<td>Select from PLSC 302, 315, 320, 325, 512, or 524H</td>
<td>3</td>
</tr>
<tr>
<td>Select from PLSC 490, 450H, or HONR 450H</td>
<td>3</td>
</tr>
</tbody>
</table>

Comparative Government and International Relations

- Select from PLSC 205, 207, 260, 332, 335, 336, 337, 338, 345, 504, 505, 506, or 508 | 3

Political Theory

- Select from PLSC 351, 352, 355, 356, 551 or 553 | 3

Experiential Learning Requirement

- Met by PLSC 473: Academic Internship in PLSC | 0-6

PLSC electives | 0-6

Foreign Language Requirement | 0-4

Minor | 15-24

General Electives | 12-41

Total | 124

Note: Students are limited to a total of nine hours in the major in PLSC 450H, 471, 472, 473, 498, 501, 502, and 503 combined.

†Students completing the required program for the BA degree in Political Science with a Concentration in Public Policy and Administration must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 30-36 semester hours of the required program. The student must complete a minimum of 12 semester hours of PLSC courses in residence at Winthrop University. In addition to the 30-36 semester hours of the required program, the student must select and complete a minor, attaining no less than a 2.0 GPA in the minor. Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299.
Winthrop offers programs which prepare students for professional study in a variety of fields. Some of these are degree programs preliminary to advanced study in such disciplines as engineering, medicine, nursing, dentistry and law. A Winthrop faculty adviser will help students plan their studies to meet the requirements of several professional schools.

Pre-Dental
Advisers: Dr. Carlton Bessinger, Dr. Lee Anne Cope, Dr. Aaron Hartel, Dr. James Johnston, Dr. Julian Smith, and Dr. Takita F. Sumter

A student who wishes to prepare for application to schools of dentistry or veterinary medicine should acquire a broad foundation in the natural sciences, mathematics, humanities and the social sciences. The specific requirements for admission to the College of Dental Medicine at the Medical University of South Carolina are 8 semester hours of each of the following: general chemistry, organic chemistry, physics, biology, and science electives. In addition, 6 semester hours of English composition and mathematics are required. Other dental schools have similar requirements. Students interested in dental medicine should seek advice about which science electives would be best. The Dental Admission Test (DAT) must be taken no later than the fall of the senior year. A B+ average in science courses and an acceptable score on the DAT are essential for dental school admission.

Pre-Engineering Program
Adviser: Dr. Mesgun Sebhatu

The Pre-Engineering program provides students with the opportunity to complete an engineering degree at another university in four or five years by transferring from Winthrop after completing the necessary mathematics and science courses as well as basic courses in English, social sciences and humanities. Engineering programs require students to complete fundamental courses in calculus, differential equations, chemistry, physics, computer science, and engineering science during their first several years of college. Students who begin their college career at Winthrop have the advantage of completing these basic courses in smaller classes where they get individual faculty attention and access to modern instrumentation.

After two years of study at Winthrop, Pre-Engineering students have two options available to further their engineering education:

1. Engineering School option: After two to three years at Winthrop, students selecting this option transfer directly into a specific program at an engineering school such as Clemson University, the University of South Carolina, Virginia Tech, Georgia Tech, North Carolina State, or the University of Florida to complete an engineering degree in their field of interest within another two to three years.

2. Winthrop Science/Mathematics Degree option: After two years at Winthrop, Pre-Engineering students selecting this option decide to complete a Bachelor of Science (e.g. mathematics, Chemistry, Computer Science, Environmental Science) at Winthrop within another two years and then to matriculate directly into a graduate engineering or science program at an engineering school or research university.

Pre-Law
Adviser: Dr. Timothy Boylan

The Association of American Law Schools and the Law School Admission Council do not prescribe a specific major or series of courses as preparation for law school. Although most pre-law students major in the social sciences or humanities, almost any discipline is suitable. More important than the major is the acquisition of thorough intellectual training, including a broad understanding of human institutions as well as analytical and communications skills. Early in their undergraduate careers, students considering law school should meet with the pre-law adviser in the Political Science Department for assistance in planning a suitable course of pre-law study compatible with the student’s major subject. Additional information for students considering legal studies can be found in the Pre-Law Handbook (http://www.winthrop.edu/plsc/prelaw.htm).

Pre-Medical
Advisory Committee: Dr. Carlton Bessinger, Dr. Janice Chism, Dr. Dwight Dimaculangan, Dr. Laura Glasscock, Dr. Aaron Hartel, Dr. James Johnston, Dr. Julian Smith, Dr. Takita F. Sumter, and Dr. Kristi Westover,

A student who wishes to prepare for application to medical school should acquire a broad foundation in the natural sciences, mathematics, humanities and the social sciences. Medical schools intentionally limit the absolute requirements for entry to encourage diversity among their applicants. Most medical schools require 6 semester hours each of English and Mathematics, and 8 semester hours each of biology, physics, general chemistry, and organic chemistry. Beyond these requirements, pre-medical students may select any major program they may wish to pursue. The most important requirements for admission to a medical school are at least a B+ average on all science courses taken and a good score on the Medical College Admission Test (MCAT), which is normally taken in the spring before the senior year.
Pre-Pharmacy
Advisers: Dr. Carlton Bessinger, Dr. Aaron Hartel, Dr. James Johnston, Dr. Julian Smith, and Dr. Takita F. Sumter,

A student who wishes to prepare for application for Pharmacy school should acquire a solid foundation in the chemical and biological sciences. The specific requirements for admission to the Pharm.D. program at the South Carolina College of Pharmacy include 8 hours of general chemistry, 8 hours of organic chemistry, 6 hours of physics, 3 hours of calculus, 3 hours of statistics, 8 hours of biology, 6 hours of anatomy and physiology, 9 hours of liberal arts electives, 6 hours of English composition and literature and 3 hours of economics, psychology and verbal skills. The most important requirement is that students maintain a B+ average on all science courses.

Pre-Physical Therapy
Advisers: Dr. James Johnston, Dr. Janice Chism, and Dr. Lee Anne Cope

A student who wishes to prepare for admission to either of the two physical therapy programs in South Carolina (USC or MUSC) must complete a 4-year baccalaureate degree. Regardless of the major, the student must complete course work in statistics, chemistry, physics, biology, anatomy, physiology, and psychology. A minimum grade point average of 3.0 is required. The student must present acceptable scores on all three components (verbal reasoning, quantitative reasoning and writing) of the Graduate Record Examination (GRE). In addition to acceptable grades and GRE scores, the student must have some experience with the practice of physical therapy. This is best accomplished through an internship course or other volunteer work.

Pre-Veterinary
Advisers: Dr. Lee Anne Cope, Dr. Aaron Hartel, Dr. James Johnston, Dr. Julian Smith, and Dr. Takita F. Sumter,

A student who wishes to prepare for application to schools of veterinary medicine should acquire a broad foundation in the natural sciences, mathematics, humanities, and social sciences. The requirements for entry into schools of veterinary medicine are more variable than those for schools of medicine and dentistry. A student pursuing a career in veterinary medicine should major in biology or chemistry and consult the pre-veterinary adviser.

Other Pre-Professional Health Studies
Adviser: Dr. James Johnston
Students may prepare themselves for application to programs in other health-related professions, such as nursing, optometry and podiatry. Persons interested in these fields should consult the adviser for specific details.

PSYCHOLOGY

Faculty
Professors
Heidar A. Modaresi
Donna Nelson
Joseph S. Prus, Chair

Associate Professors
Gary L. Alderman
Leigh Armistead
Tim Daugherty
Cheryl Fortner-Wood
Kathy A. Lyon
Antigo D. Martin-Delaney
Darren Ritzer
Jeff Sinn
Merry Sleigh

Assistant Professors
Tracy Griggs
Matthew Hayes
Jane Rankin
Kwabena Sankofa

Instructors
Eurnestine Brown
Mary McKemey
Lois J. Veronen

Bachelor of Arts in Psychology
Psychology is the scientific study of behavior and mental processes. Psychology majors at Winthrop acquire a broad range of knowledge and skills consistent with both the University's general education goals and the American Psychological Association's Undergraduate Psychology Learning Goals. Recent psychology graduates have obtained employment in a wide variety of fields such as health and human services, social services, business, and education, and/or pursued advanced preparation in various specialties of psychology as well as in medicine, law, business, education, and other fields.
### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

### Critical Skills

**Writing and Critical Thinking**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101</td>
<td>Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>Critical Reading, Thinking, &amp; Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Quantitative Skills**

- MATH 150 (preferred) or MATH 105, 201 or a MATH course with 201 as a prerequisite: 3

### Logic/Language/Semiotics

- Foreign Language (See additional requirements in major): 3-4†
- CSCI; PHIL 220 or 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261: 3

### Oral Communication

- See approved list, p. 16: 3

### Technology

- See approved list, p. 16: 3

### Skills for a Common Experience and Thinking Across Disciplines

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>See approved list, p. 16</td>
<td>3</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>See approved list, p. 16</td>
<td>3</td>
</tr>
</tbody>
</table>

### Developing Critical Skills: Applying them to Disciplines

**Natural Science**

- Select from 2 categories and one must be a lab science: 7

**Social Science**

- 3 met in major, 3 from another designator: 3-6*

**Humanities and Arts**

- See approved list, p. 16: 6-9*

*a total of 15 semester hours from these two groups must be taken*

**Intensive Writing**

- See approved list, 16: 3

**Constitution Requirement**

- See approved list, p. 16; may be met by other requirement: 0-3

**Subtotal**

- 44-54

### Requirements in Major

<table>
<thead>
<tr>
<th>Area</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations--PSYC 101, 198</td>
<td>Gen Psychology, Psyc as Discipline &amp; Profes</td>
<td>4</td>
</tr>
<tr>
<td>Experimental Sequence--PSYC 301, 302</td>
<td>Statistics &amp; Research Methods</td>
<td>8</td>
</tr>
<tr>
<td>SR Capstone Exper--PSYC 400, 463 or 498</td>
<td>Hist &amp; Sys of PSYC, Internship, SR Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Core Courses--Choose 3 of 6: PSYC 206, 305, 313, 335, 409, 508</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>PSYC Electives (courses numbered above 299)</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

### Foreign Language Requirement

- 0-4

### Minor

- 15-24

### General Electives

- 6-30

**Total**

- 124

†Students completing the required program for the BA degree in Psychology must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized proficiency examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

The student must attain a cumulative grade point average of 2.00 or better in courses taken at Winthrop and in the 36 semester hours of the required program. In addition to the 36 semester hours of the required program, the student must select and complete a minor, attaining no less than a 2.0 GPA in the minor. Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299.

### Major Specific Notes:

a) The student must attain a grade of C- or better in PSYC 101, 301 and 302.

b) The student must complete a minimum of 12 semester hours of PSYC courses in residence at Winthrop University. No more than three hours of Cooperative Education Experience or Academic Internship can count toward the major. Not more than 36 semester hours in any one subject designator may apply to a Bachelor of Arts degree. A student may elect to apply up to 6 hours in the same subject designator toward general electives, general education distribution requirements, or a minor with the exception of the social sciences minor.

c) Students must complete the Quantitative Skills requirement before beginning PSYC 301.

d) Students must complete CRTW 201 before beginning PSYC 302. Students who take PSYC 302 at Winthrop will receive credit for the Intensive Writing Component of the General Education requirements. Transfer credit for this course with intensive writing credit will be on a case-by-case basis.

e) PSYC 198 may be waived at the discretion of the Chair and Dean’s Office for students transferring with a considerable amount of Psychology credit or those who enter the major as Juniors or Seniors.

f) Students changing their majors from Biology to Psychology who have completed BIOL 300 with a grade of C- or better, are not required to complete PSYC 302. Dual majors in Psychology and Biology should complete only one of the two required experimental courses (PSYC 302 or BIOL 300). Consult your adviser for an appropriate course.
Students changing their majors from Sociology to Psychology or Sociology majors with Psychology minors, who have passed SOCL 316 with a grade of C- or better, are not required to complete PSYC 301. Double majors in Psychology and Sociology should complete only one of the two required statistics courses (PSYC 301 or SOCL 316). Consult your adviser for an appropriate course.

SOCIAL WORK

Faculty

Professors
Ronald K. Green, Chair
Deana F. Morrow

Associate Professors
Susan B. Lyman
Ameda A. Manetta

Assistant Professors
Brent E. Cagle
Wendy S. Campbell
Cynthia D. Forrest
Kareema J. Gray
Shelly Neely-Goodwin

Instructors
Linda M. Ashley
Jackie Jones-Nickens

Bachelor of Social Work

Students completing requirements for the BSW will be prepared for beginning generalist social work practice in a wide range of organizations such as child welfare agencies, hospitals, nursing homes, prisons, schools, and treatment centers for emotionally disturbed children and adults. The program provides undergraduate education and internship experience for working with individuals, small groups (including the family), organizations, and communities. National accreditation by the Council on Social Work Education (CSWE) allows graduates to become full members of the National Association of Social Workers (NASW) and to be eligible to become licensed social workers in states requiring licensing for employment.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>1</td>
</tr>
</tbody>
</table>

Critical Skills

<table>
<thead>
<tr>
<th>Skill</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>3</td>
</tr>
</tbody>
</table>

Quantitative Skills

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 105 or 150, 201 or a MATH course with 201 as a prerequisite</td>
<td>3</td>
</tr>
</tbody>
</table>

Logic/Language/Semiotics

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hours met in major; additional 3 hours may be met by QMTH 205 or MATH 141</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Oral Communication

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list; may be met by another req</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Technology

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met in major requirements by CSCI 101, &amp; 101A, B, C</td>
<td>0</td>
</tr>
</tbody>
</table>

Skills for a Common Experience & Thinking Across Disciplines

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102 The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
</tbody>
</table>

Global Perspectives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met in major</td>
<td>0</td>
</tr>
</tbody>
</table>

Historical Perspectives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16</td>
<td>3</td>
</tr>
</tbody>
</table>

Developing Critical Skills Applying them to Disciplines

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>4</td>
</tr>
<tr>
<td>Lab course with 2nd designator; 3 met in major</td>
<td>4</td>
</tr>
<tr>
<td>Social Science</td>
<td>0</td>
</tr>
<tr>
<td>Met in major</td>
<td>0</td>
</tr>
<tr>
<td>Humanities &amp; Arts</td>
<td>6</td>
</tr>
<tr>
<td>See approved list, p. 16; must include 2 designators</td>
<td>6</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>0</td>
</tr>
<tr>
<td>Met in major</td>
<td>0</td>
</tr>
<tr>
<td>Constitution Requirement</td>
<td>0</td>
</tr>
<tr>
<td>Met in major</td>
<td>0</td>
</tr>
</tbody>
</table>

Subtotal

| Total                           | 26-32          |

Requirements in the Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 201 Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 101, 101A, B, &amp; C</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Comp &amp; Info Processing</td>
<td>3</td>
</tr>
<tr>
<td>ECON 103 Introduction to Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>MATH 141 or SOCL 316 or QMTH 205 Statistics</td>
<td>3-4</td>
</tr>
<tr>
<td>PLSC 201 American Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SCIE 301 or BIOL 150/151 Biology of Aging, Elements of Living Systems</td>
<td>3-4</td>
</tr>
<tr>
<td>SCWK 200/201, 305, 321, 330, 395, 432, 433, 434, 443, 463</td>
<td>42</td>
</tr>
<tr>
<td>SCWK electives (not to include SCWK 202)</td>
<td>6</td>
</tr>
<tr>
<td>SCWK 201 Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>General Electives</td>
<td>18-26</td>
</tr>
<tr>
<td>Total</td>
<td>124</td>
</tr>
</tbody>
</table>
A student may apply for status as a social work major at any point. In applying for initial entry into the social work program and recognition as a social work major, the student agrees to abide by the NASW (National Association of Social Workers) Code of Ethics. From that point, continued recognition as a social work major requires that the student’s behavior comports to the standards of ethical conduct as spelled out in the Code of Ethics.

Prior to starting the social work intervention sequence - SCWK 395, 432, 433 and 434 - students must formally apply for admittance to SCWK 395. This process includes students providing a description of how they have met the requirement for 80 hours of voluntary or paid experience in a human service organization, and a demonstration that they have at least an overall GPA of 2.20 and a 2.40 GPA in all social work courses.

After completing all general education requirements and social work major course requirements through SCWK 434, including passing courses SCWK 200 through SCWK 434 with a grade of C or better and maintaining an overall GPA of 2.20 and a GPA of 2.40 in social work courses, the student is eligible to apply to enroll in the two courses which make up the final semester of field education. For graduation the student must have maintained an overall GPA of 2.20, a GPA of 2.40 in all social work courses, and have passed all social work courses with a grade of C or better.

The student must complete a minimum of 12 semester hours of SCWK courses in residence at Winthrop University and have a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.

Students enrolled in the Certificate Program in Gerontology may substitute 3 hours of the required SCWK 443 field placement in an agency serving older adults for GRNT 440.

**SOCIOLOGY and ANTHROPOLOGY**

Faculty

Professors
- Douglas L. Eckberg
- April A. Gordon
- Jonathan I. Marx, Chair
- Jennifer Solomon

Associate Professor
- Richard Chacon

Assistant Professors
- M. Kelly James
- Bradley G. Tripp
- Jeannie Haubert Weil

Bachelor of Arts in Sociology

Recent graduates in sociology have secured positions in criminal justice, social work, city and urban planning, teaching, management, banking, sales, and marketing. Others have gone on to pursue advanced studies in sociology, social work, criminal justice, urban planning, law, and business administration.

**General Education Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

**Critical Skills**

**Writing and Critical Thinking**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101</td>
<td>Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>Critical Reading, Thinking, &amp; Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Quantitative Skills**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 105 or 150, 201 or a MATH course with 201 as a prerequisite</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Logic/Language/Semiotics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td></td>
<td>3-4†</td>
</tr>
<tr>
<td>CSCI; PHIL 220 or 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Oral Communication**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16; may be met by another req</td>
<td>0-3</td>
<td></td>
</tr>
</tbody>
</table>

**Technology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16; may be met by another req</td>
<td>0-3</td>
<td></td>
</tr>
</tbody>
</table>

**Skills for a Common Experience and Thinking Across Disciplines**

- HMXP 102 The Human Experience: Who Am I? 3
- See approved list, p. 16 3
- See approved list, p. 16 3

**Developing Critical Skills & Applying them to Disciplines**

- Natural Science Select from 2 categories and one must be a lab science 7

**Social Science**

- 3-6 met in major, 3-6 from another designator 3-6*

**Humanities and Arts**

- See approved list, p. 16; must have at least 2 designators 6-9*

*Must have a total of 9-12 semester hours from these 2 categories

**Intensive Writing**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16; may be met by other requirement</td>
<td>0-3</td>
<td></td>
</tr>
</tbody>
</table>

**Constitution Requirement**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16; may be met by other requirement</td>
<td>0-3</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal**

40-57

**Requirements in Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCL 101 or 201, and 316**, ANTH/SOCL 302, SOCL 516 &amp; 598</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Additional hours of SOCL</td>
<td></td>
<td>12-18</td>
</tr>
<tr>
<td>Additional hours of ANTH***</td>
<td></td>
<td>0-6</td>
</tr>
</tbody>
</table>

58
Bachelor of Arts in Sociology
Concentration in Criminology

**General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td>Critical Skills</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRIT 101</td>
<td>Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>Critical Reading, Thinking, &amp; Writing</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 105 or 150, 201 or a MATH course with 201 as a prerequisite</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td></td>
<td>3-4†</td>
</tr>
<tr>
<td>CSCI; PHIL 220 or 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Oral Communication</td>
<td>See approved list, p. 16; may be met by another req</td>
<td>0-3</td>
</tr>
<tr>
<td>Technology</td>
<td>See approved list, p. 16; may be met by another req</td>
<td>0-3</td>
</tr>
<tr>
<td>Skills for a Common Experience and Thinking Across Disciplines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>See approved list, p. 16</td>
<td>3</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>See approved list, p. 16</td>
<td>3</td>
</tr>
<tr>
<td>Developing Critical Skills Applying them to Disciplines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Science--Select from two categories and one must be a lab science</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Social Science</td>
<td>3-6 met in major, 3 from another designator</td>
<td>3-6*</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>Must have at least 2 subject designators</td>
<td>6-9*</td>
</tr>
<tr>
<td>*Must have a total of 9-12 hours in these two categories</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>See approved list, p. 16; may be met by another req</td>
<td>0-3</td>
</tr>
<tr>
<td>Constitution Requirement</td>
<td>PLSC 201 recommended</td>
<td>0-3</td>
</tr>
<tr>
<td>Subtotal</td>
<td></td>
<td>41-54</td>
</tr>
</tbody>
</table>

**Requirements in Major**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCL 101 or 201; 227, 316**, ANTH/SOCL 302; SOCL 325, 516, &amp; 598</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Six hours from: SOCL 330, 335, 337, or 525</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Additional hours of SOCL</td>
<td></td>
<td>3-6</td>
</tr>
<tr>
<td>Additional hours of ANTH***</td>
<td></td>
<td>0-3</td>
</tr>
</tbody>
</table>

†Students completing the required program for the BA in Sociology must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

**Students with double majors in Psychology and Sociology or Sociology majors with a minor in Psychology may substitute PSYC 301 (with a grade of C or higher) for SOCL 316 provided they complete an additional course in Sociology. Consult advisers for appropriate courses.

***ANTH hours counted towards the Sociology major cannot also be counted towards the Anthropology minor. However, students with a major in Sociology and a minor in Anthropology may utilize SOCL/ANTH 302 (required in major) for ANTH 302 (required in minor) provided they complete an additional course in Anthropology towards the minor.

To be admitted into the program as a major, the student must complete SOCL 101 or 201 with the grade of C or higher. The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 33 semester hours of the required program. The student must complete a minimum of 12 semester hours of SOCL/ANTH courses in residence at Winthrop University.

In addition to the 33 semester hours of the required program, the student must select and complete a minor, attaining no less than a 2.0 GPA in the minor. Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. Although not specifically required, students are strongly encouraged to take related courses in ECON, HIST, MATH, PLSC and PSYC.

Sociology majors are required to enroll in SOCL 316 the first semester after admission to the major, and they may not enroll in more than one SOCL/ANTH course per semester (apart from SOCL 316 or SOCL/ANTH 302) until they complete both SOCL 316 and SOCL/ANTH 302 with a grade of C or better. Sociology majors must attain a C or better in SOCL/ANTH 302 and SOCL 316 to enroll in SOCL 516. Sociology majors must attain a C or better in SOCL 516 to complete the major. Sociology majors are limited to a total of three hours credit in ANTH 463-464, ANTH 340, SOCL 463-464 or SOCL 340 towards the sociology major.
COLEGE OF ARTS & SCIENCES--SOCIOLGY/ANTHROPOLOGY

Minor 15-24
Foreign Language 0-4
General Electives 6-32
Total 124

†Students completing the required program for the BA in Sociology must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

**Students with double majors in Psychology and Sociology or Sociology majors with a minor in Psychology may substitute PSYC 301 (with a grade of C or higher) for SOCL 316 provided they complete an additional course in Sociology. Consult advisers for appropriate courses.

***ANTH hours used toward the Sociology Major can not be counted towards an Anthropology Minor.

To be admitted into the program as a major, the student must complete SOCL 101 or 201 with the grade of C or higher. The student must attain a cumulative grade-point average of 2.00 or better in courses taken at Winthrop and included in the 33 semester hours of the required program. The student must complete a minimum of 12 semester hours of SOCL/ANTH courses in residence at Winthrop University.

In addition to the 33 semester hours of the required program, the student must select and complete a minor, attaining no less than a 2.0 GPA in the minor. Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. Although not specifically required, students are strongly encouraged to take related courses in ECON, HIST, MATH, PLSC and PSYC.

Sociology majors are required to enroll in SOCL 316 the first semester after admission to the major, and they may not enroll in more than one SOCL/ANTH course per semester (apart from SOCL 316 or SOCL/ANTH302) until they complete both SOCL 316 and SOCL/ANTH 302 with a grade of C or better. Sociology majors must attain a C or better in SOCL/ANTH302 and SOCL316 to enroll in SOCL516. Sociology majors must attain a C or better in SOCL516 to complete the major. Sociology majors are limited to a total of three hours credit in ANTH 463-464, ANTH 340, SOCL463-464 or SOCL 340 towards the sociology major.

Bachelor of Arts in Sociology
Concentration in Anthropology

General Education Courses
ACAD 101 Principles of the Learning Academy 1

Critical Skills
Writing and Critical Thinking
WRIT 101 Composition 3
CRTW 201 Critical Reading, Thinking, & Writing 3
Quantitative Skills
CTQR 150 or MATH 105, 201 or a MATH course with 201 as a prerequisite 3
Logic/Language/Semiotics
Foreign Language 3-4†
CSCI; PHIL 220 or 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261 3
Oral Communication See approved list, p. 16; may be met by another req 0-3
Technology See approved list, p. 16; may be met by another req 0-3

Skills for a Common Experience and Thinking Across Disciplines
HMXP 102 The Human Experience: Who Am I? 3
Global Perspectives See approved list, p. 16 3
Historical Perspectives See approved list, p. 16 3

Developing Critical Skills Applying them to Disciplines
Natural Science--Select from two categories and one must be a lab science 7
Social Science 6 met in major 0-3*
Humanities and Arts Must have at least 2 subject designators 6-9*
*Must have a total of 9 hours in these two categories
Intensive Writing See approved list, p. 16; may be met by another req 0-3
Constitution Requirement See approved list, p. 16; may be met by other requirement 0-3
Subtotal 41-54

Requirements in Major
SOCL 101 or 201; ANTH 201; ANTH 202 or 220; ANTH/SOCL 302; SOCL 316** ANTH 341 or 345; SOCL 516 & 598 24-25
ANTH elective 3-6
SOCL elective 3-6
Minor 15-24
Foreign Language 0-4

60
**Faculty**

**Professor**
Sarah F. Stallings, Acting Chair

**Instructor**
Christa Kea

**Lecturers**
Karen Bair
Tanya Duncan
Alena Freeman

**Associate Professor**
Anne E. Beard

---

**Bachelor of Arts in General Communication Disorders**

The Bachelor of Arts in General Communication Disorders provides pre-professional preparation in speech pathology. Students receive instruction in the identification, diagnostic process, and therapeutic intervention of communication disorders including articulation, language, hearing, voice, and fluency. The program is designed to prepare students for graduate work leading to state and national certification and state licensure as speech clinicians.

**General Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>1</td>
</tr>
<tr>
<td>WRIT 101</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>3</td>
</tr>
<tr>
<td>MATH 105 or 150, 201 or a MATH course with 201 as a prerequisite</td>
<td>3</td>
</tr>
<tr>
<td>CSCI; PHIL 220 or 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261</td>
<td>3</td>
</tr>
<tr>
<td>HMXP 102</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science--Select from two categories and one must be a lab science</td>
<td>7</td>
</tr>
<tr>
<td>Social Science</td>
<td>6-9*</td>
</tr>
</tbody>
</table>

**Semester Hours**

- 6-32
- 124
**COLLEGE OF ARTS & SCIENCES--SPEECH/GENERAL COMMUNICATION DISORDERS**

<table>
<thead>
<tr>
<th>Humanities and Arts</th>
<th>See approved list, p. 16; must include two designators</th>
<th>6-9*</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>A total of 15 semester hours from these two categories must be taken</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Intensive Writing</strong></td>
<td>See approved list, p. 16; may be met by other requirement</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>Constitution Requirement</strong></td>
<td>See approved list, p. 16; may be met by other requirement</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td>47-57</td>
</tr>
<tr>
<td><strong>Requirements in Major</strong></td>
<td></td>
<td>36</td>
</tr>
<tr>
<td>SPCH 203</td>
<td>Voice and Diction</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 351**</td>
<td>Intro to Communication Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 352**</td>
<td>Intro to Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 355**</td>
<td>Anatomy &amp; Physiology Speech &amp; Hearing</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 360</td>
<td>Articulation &amp; Phonological Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 410</td>
<td>Intro to Audiology</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 425</td>
<td>Stuttering</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 458</td>
<td>Language: Perspectives in Acquisition &amp; Develop</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 460</td>
<td>Princ of Speech Pathology</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 465</td>
<td>Language Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 469</td>
<td>Adult Aphasia &amp; Related Lang Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPCH electives</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Foreign Language Requirement</strong></td>
<td></td>
<td>0-4</td>
</tr>
<tr>
<td><strong>Requirements in Minor</strong></td>
<td></td>
<td>15-24</td>
</tr>
<tr>
<td><strong>General Electives</strong></td>
<td></td>
<td>3-26</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>124</td>
</tr>
</tbody>
</table>

*Requires combined GPA of 2.5 for these three courses
†Students completing the required program for the BA in Communication Disorders must demonstrate proficiency in a foreign language at or above the second semester college-level. This requirement may be met by a satisfactory score on a recognized examination or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. A maximum of one course may be counted in the Logic/Language/Semiotics Area.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 36 semester hours of the required program. The student must complete a minimum of 12 semester hours of SPCH courses in residence at Winthrop University.

Majors must attain a GPA of 2.5 or better in SPCH 351, 352, and 355. Majors must have a GPA of 2.0 or better in SPCH 360, 410, 425, 458, 460, 465 and 469. Students are encouraged to repeat courses resulting in a grade of less than C in the above course sequence.

In addition to the 36 semester hours of the required program, the student must select and complete a minor, attaining no less than a 2.0 GPA in the minor. Within the 124 semester hours required for this degree, the student must also include a minimum of 40 semester hours in courses numbered above 299. No more than three hours of Cooperative Education Experience can count toward the major.
The College of Business Administration

Roger D. Weikle, Dean
Martha C. Spears, Associate Dean

Undergraduate Degree Programs and Requirements

Four undergraduate programs are offered by the College of Business Administration: the Bachelor of Science in Business Administration, the Bachelor of Science in Computer Science, the Bachelor of Arts in Economics, and the Bachelor of Science in Information Design. The baccalaureate degree program in Business Administration is accredited by AACSB International—The Association to Advance Collegiate Schools of Business and the baccalaureate degree in Computer Science is accredited by ABET (111 Market Place, Suite 1050, Baltimore, MD 21202-4012; telephone: 410-347-7700).

Our mission is to prepare students in a learning-centered environment, through effective teaching, scholarship, and service, with the professional and leadership skills necessary for positions in the global marketplace, while fostering life-long learning and service to the external community.

Eleven areas of concentration, called options, are available within the Bachelor of Science in Business Administration degree program. These options are accounting, computer information systems, economics, entrepreneurship, finance, general business, health care management, human resource management, international business, marketing, and management. Two of these options, accounting and general business, can be earned through our evening program. The accounting option offers an integrated undergraduate/graduate curriculum that allows for optimum efficiency in continuing into a graduate program with an accounting emphasis.

The Business degree program prepares undergraduates for careers in the business world by offering an academically challenging program that produces a new kind of leader for business, industry, government, the arts, and health services. This new leader leaves the program with the skills needed to function as a professional in the complex organizations of the 21st century. The requirements for the Bachelor of Science in Business Administration integrate the business core. The foundation for the program is a four-course sequence emphasizing a cross functional approach to business issues and perspectives. These courses, BADM 180, ACCT 280, MKTG 380 and MGMT 480 are augmented by liberal arts studies taught across diverse disciplines, fundamental business courses, and more advanced courses in the business option. Along with an integrated curriculum, the faculty and business leaders have developed a comprehensive list of competencies that students must attain before graduation from this program. The competency categories for the business degree are communication, teamwork/diversity, adaptability, problem solving and accountability and ethics. The computer science degree categories are technical, social, environment and interpersonal development. Most business courses also emphasize team projects in addition to individual assignments. Co-op and internship experiences are integrated into some options and encouraged in others.

The College of Business Administration is dedicated to offering quality classroom instruction and to enhancing personal development through interaction between faculty and students. A faculty open-door policy facilitates this approach. Quality classroom instruction is provided by a faculty who meet the high standards of scholarship required for AACSB and ABET accreditation.

A number of scholarships are awarded annually to College of Business Administration students. Eligibility is determined on the basis of outstanding academic performance.

For those students working toward a degree outside of the College of Business Administration, minors in the areas of accounting, business administration, computer science, economics, entrepreneurship, finance, health care management and human resource management are offered. For specific requirements for individual minors, see the section on Minors.

Through programs of continuing education, seminars, and conferences, the College of Business Administration maintains active involvement with the business community. These outreach efforts are strengthened by the efforts of the specialized centers housed in the College of Business Administration. These centers and a brief description of their functions follow:

The Institute of Management is a center within the College of Business Administration through which the school coordinates its public service to the region. The primary goal of the Institute is to provide continuing education to meet the needs of managers and professionals in industry, business, and government.

The Small Business Development Center provides assistance to owners and managers of small businesses as well as prospective business owners. The Center utilizes students and faculty to provide free counseling to clients. The Center contains a library of literature and information for the use of small business owners. Workshops and seminars are sponsored on topics related to managing a small business.

The Center of Economic Education works closely with the South Carolina Council on Economic Education toward the goal of implementing programs of economic education in the elementary, middle, and secondary schools of South Carolina. In its mission the Center conducts pre-service and in-service teacher programs as well as conferences, symposiums, and forums for the exchange of ideas among educators and others interested in the American economy.

Academic Advising

Academic advising is an integral part of the learning process in the College of Business Administration. The role of the academic adviser is to assist in making appropriate decisions about academic programs and career goals, provide academic information about Winthrop University and degree programs, and suggest appropriate involvement in on-campus, off-campus and experiential opportunities. Freshmen are assigned a faculty adviser after summer orientation and keep the same adviser during the freshman year. Not only will advisers help with program selections and scheduling, but will also be
available to assist with the adjustment to university life throughout the first year. At the end of the freshman year, an option in the College of Business will be chosen and an adviser will be assigned from that area. Students who transfer after their freshman year are assigned an adviser in the academic option of their choice.

Transfer evaluations are completed by the Student Services Center. The subject matter and the level of the course are considered for evaluation. Upper-level courses in the core and option, which have been completed prior to achieving junior status, may be used to meet elective requirements, but must be replaced in the core or option by approved advanced courses (if not transferred from an AACSB accredited institution). Upper-level business and computer science courses may not transfer from two-year institutions. In addition to the requirement that the final 31 hours be completed at Winthrop, only 50% of the business core and option may transfer toward a business administration degree. CSCI majors must complete 20 hours of CSCI courses numbered above 299 and an additional 9 which may be taken at Winthrop University or any schools with programs in Computer Science accredited by (ABET). The College of Business Administration’s Director of Student Services is: Gay Randolph, Office of Student Services 226 Thurmond Building, (803) 323-4833, Fax (803) 323-3960, randolphg@winthrop.edu.

Faculty

Professors
David Bradbard
Robert H. Breakfield
Qidong Cao
Clarence Coleman
Lynn DeNoia
James McKim
Richard L. Morris
Louis J. Pantuosco
D. Keith Robbins, Chair
Management & Marketing
Marilyn Smith
Martha C. Spears, Associate Dean
Gary L. Stone
Jane B. Thomas
Roger D. Weikle, Dean

Visiting Professor, Executive in Residence
James Olson

Executive Professor
Michael D. Evans

Associate Professors
Charles E. Alvis
Keith Benson
Michael Cornick
Stephen Dannelly, Chair
Computer Science & Quantitative Methods
Kent E. Foster
Steven Frankforter
Barbara K Fuller
Chlotia Garrison
William W. Grigsby
Brien Lewis
Michael Matthews
Anne Olsen
Cara Peters
Barbara Pierce, Chair
Accounting, Finance & Economics
Emma Jane Riddle
Robert Stonebraker
William I. Thacker
Xusheng Wang
Glenn Wood

Assistant Professors
Barbara Burgess-Wilkerson
Patrice Burleson
Melissa Carsten
Katie Dykhuis
Peggy W. Hager
James Hammond
Malayka Klimchak
Jayne Maas
Hemant Patwardhan
S. Gay Randolph
Brooke Stanley
Laura Ulrich

Bachelor of Science in Business Administration

Those students applying for the Bachelor of Science degree in Business Administration must present a grade of C- or better in each course in the core curriculum and in the option which is chosen. This requirement is in addition to the requirement of a 2.0 grade-point average on the 124 hours required for the degree.

Students enrolled in the Bachelor of Science in Business Administration program or enrolled in business classes may not enroll in courses numbered above 299 unless they have at least a 2.0 grade-point average, completed 54 hours, and a grade of C- or better in HMXP 102.

Transfer students must complete HMXP 102 prior to taking upper-level courses in the College of Business Administration. Students who transfer in 54 or more semester hours must complete this course within their first semester. If, during this time, such students do not earn a C- or better in HMXP 102, they will not be permitted to take additional courses above 299 until this general education requirement is met.

Within the 124 hours required for this degree, the student must include 48 hours in courses numbered above 299 and must complete ECON 103, HIST 211, PLSC 201 or 201H, 311 and 312, 356.

In addition, students enrolled in the Bachelor of Science in Business Administration programs may not enroll in courses in the College of Business numbered above 299 unless they have, within their first 60 semester hours, taken and passed ACCT 280, ECON 215, MATH 101, MATH 105, and QMTH 205. Transfer students who need to take any of the five courses and who meet the other requirements will be permitted to take courses above 299 in these areas during their first two semesters at Winthrop. If, by the end of the 2nd semester, such students have not taken and passed all five of the required courses, they will not be permitted to take additional courses above 299 until all five of those courses are passed. Students not enrolled in the Bachelor of Science in Business Administration, but taking courses within the College of Business Administration, must only have the specific prerequisites of the courses taken.
### Bachelor of Science in Business Administration

**General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

**Critical Skills**

**Writing and Critical Thinking**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101, CRTW 201</td>
<td>Composition; Crit Reading, Thinking, Writing</td>
<td>6</td>
</tr>
</tbody>
</table>

**Quantitative Skills**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 105 or MATH 201</td>
<td>Calc for Managerial and Life Sci or Calculus I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Technology**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 465</td>
<td>Preparation of Oral &amp; Written Reports</td>
<td>0*</td>
</tr>
</tbody>
</table>

**Logic/Language/Semiotics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>QMTH 205, 206</td>
<td>Applied Statistics I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>CSCI 101 and CSCI 101B and 101C</td>
<td>Comp &amp; Info Processing; Microsoft Excell &amp; Access Frontpage, Powerpoint; Programming</td>
<td>3</td>
</tr>
</tbody>
</table>

**Skills for Common Experience and Thinking Across Disciplines**

**HMXP 102**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 465</td>
<td>Preparation of Oral &amp; Written Reports</td>
<td>0*</td>
</tr>
</tbody>
</table>

**Constitution Requirement**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16</td>
<td>Microeconomics, Macroeconomics,Gen Psychology</td>
<td>9</td>
</tr>
</tbody>
</table>

**Electives** (Number varies depending on hours required for option.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 280</td>
<td>Accounting Info for Business Decisions I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 281</td>
<td>Accounting Info for Business Decisions II</td>
<td>3</td>
</tr>
<tr>
<td>WRIT 465</td>
<td>Preparation of Oral and Written Reports</td>
<td>0-3</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>124</td>
</tr>
</tbody>
</table>

---

* Course credit included in another category

**Must earn C- or better in each Business Core and Option course.**
Bachelor of Science in Business Administration - Accounting Option

<table>
<thead>
<tr>
<th>General Education, see page 65</th>
<th>50-55</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Requirements and Core, see page 65</td>
<td>36</td>
</tr>
<tr>
<td>Accounting Option</td>
<td>21</td>
</tr>
<tr>
<td>ACCT 303 Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 305 Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 306 Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 309 Budgeting &amp; Executive Control</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 401 Intro to Tax</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 509 Auditing Principles &amp; Procedures</td>
<td>3</td>
</tr>
<tr>
<td>One of:</td>
<td></td>
</tr>
<tr>
<td>ACCT 502 Corporate Tax</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 505 Intermediate Accounting III</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 506 Not for Profit Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 491 Accounting Internship</td>
<td>3</td>
</tr>
<tr>
<td>One course from PHIL 230, 575 or MGMT 575</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>12-17</td>
</tr>
<tr>
<td>Total</td>
<td>124</td>
</tr>
</tbody>
</table>

Bachelor of Science in Business Administration - Computer Information Systems Option

<table>
<thead>
<tr>
<th>General Education, see page 65</th>
<th>50-55</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Requirements and Core, see page 65</td>
<td>36</td>
</tr>
<tr>
<td>Computer Information Systems Option</td>
<td>27</td>
</tr>
<tr>
<td>CSCI 207 &amp; 208 Intro to Computer Sci I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>CSCI 291or 293 or 295 or 392</td>
<td>1</td>
</tr>
<tr>
<td>CSCI 325 File Structures</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 355 Database Processing</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 475 Software Engineering I</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 476 Software Engineering II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 261 Found of Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>One of:</td>
<td></td>
</tr>
<tr>
<td>ACCT 303 Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 309 Budgeting &amp; Executive Control</td>
<td>3</td>
</tr>
<tr>
<td>CSCI above 299</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>6-11</td>
</tr>
<tr>
<td>Total</td>
<td>124</td>
</tr>
</tbody>
</table>

Bachelor of Science in Business Administration - Economics Option

<table>
<thead>
<tr>
<th>General Education, see page 65</th>
<th>50-55</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Requirements and Core, see page 65</td>
<td>36</td>
</tr>
<tr>
<td>Economics Option</td>
<td>18</td>
</tr>
<tr>
<td>ECON 315 Microeconomic Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECON 316 Macroeconomic Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECON 335 Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>Three of any ECON above 299</td>
<td>9</td>
</tr>
<tr>
<td>Electives</td>
<td>15-20</td>
</tr>
<tr>
<td>Total</td>
<td>124</td>
</tr>
</tbody>
</table>
### Bachelor of Science in Business Administration - Entrepreneurship Option

| General Education, see page 65 | 50-55 |
| Business Requirements and Core, see page 65 | 36 |
| **Entrepreneurship Option** | 18 |
| ENTR 373 | Intro to Entrepreneurship | 3 |
| ENTR 374 | Strategic Entrepreneurial Growth | 3 |
| ENTR 473 | Entrepreneurial Finance | 3 |
| ENTR 579 | Business Plan Development | 3 |
| **Two of:** |  |
| BADM 561 | Electronic Commerce for Managers | 3 |
| MGMT 422 | Human Resources Management | 3 |
| MKTG 382 | Retailing | 3 |
| MKTG 481 | Promotion Management | 3 |
| MKTG 482 | Marketing Research | 3 |
| MKTG 491 | Internship in Marketing | 3 |
| MKTG 581 | Marketing for Global Competitiveness | 3 |
| **Electives** | **15-20** |
| **Total** | **124** |

### Bachelor of Science in Business Administration - Finance Option

| General Education, see page 65 | 50-55 |
| Business Requirements and Core, see page 65 | 36 |
| **Take one of two tracks:** |  |
| **Finance Option--Corporate Finance Track** | 18 |
| FINC 312 | Intermediate Corporate Financial Management | 3 |
| FINC 498 | Adv Corp Financial Mgmt | 3 |
| FINC 514 | Intern'l Financial Management | 3 |
| **Two of:** |  |
| FINC 491 | Internship in Finance | 3 |
| FINC 512 | Investments | 3 |
| FINC 513 | Banking and Financial Service Management | 3 |
| **One of:** |  |
| ACCT 305 | Intermediate Accounting | 3 |
| ECON 335 | Money and Banking | 3 |
| **Electives** | **15-20** |
| **Total** | **124** |

| **Finance Option--Financial Planning Track** |  |
| ACCT 401 | Introduction to Tax | 3 |
| BADM 501 | Estate Planning | 3 |
| FINC 315 | Principles of Financial Planning | 3 |
| FINC 512 | Investments | 3 |
| FINC 515 | Insurance and Risk Management | 3 |
| FINC 516 | Employee Benefits and Retirement Planning | 3 |
| **Electives** | **15-20** |
| **Total** | **124** |

*Note: Anyone completing any combination of 15 hours of FINC from the above lists plus 3 hours of ACCT, BADM or ECON from the above lists would qualify for the Finance option, general track.*

### Bachelor of Science in Business Administration - General Business Option

| General Education, see page 65 | 50-55 |
| Business Requirements and Core, see page 65 | 36 |
| **General Business Option** | 18 |
| Choose 6 hours numbered above 299 and 12 hours numbered above 399 from advanced courses in ACCT, BADM, CSCI, ECON, ENTR, FINC, HCM, MGMT, MKTG. A maximum of 9 hours may be taken from a single designator. Co-op and internship course credit must not exceed 3 hours. |  |
| **Electives** | **15-20** |
| **Total** | **124** |
Bachelor of Science in Business Administration - Health Care Management Option

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCMT 200</td>
<td>Intro to Health Care Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>HCMT 300</td>
<td>The Health Care Manager</td>
<td>3</td>
</tr>
<tr>
<td>HCMT 302</td>
<td>Health Care Planning &amp; Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HCMT 303</td>
<td>Health Care Organizations &amp; the Legal Environ</td>
<td>3</td>
</tr>
<tr>
<td>HCMT 491</td>
<td>Health Care Management Internship</td>
<td>3</td>
</tr>
<tr>
<td>HCMT 492</td>
<td>Econ &amp; Health Care Finance</td>
<td>3</td>
</tr>
<tr>
<td>HCMT 493</td>
<td>Seminar in Health Care Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Required internship to be taken summer between Jr & Sr year.

<table>
<thead>
<tr>
<th>Electives</th>
<th>12-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>124</td>
</tr>
</tbody>
</table>

Bachelor of Science in Business Administration - Human Resource Management Option

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 325</td>
<td>Organizational Theory and Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 422</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 425</td>
<td>Training and Development</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 523</td>
<td>Collective Bargaining and Labor Relations</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 524</td>
<td>Employment Law</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 526</td>
<td>Compensation and Benefits Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>15-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>124</td>
</tr>
</tbody>
</table>

Bachelor of Science in Business Administration - International Business Option

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 521</td>
<td>International Trade &amp; Investment</td>
<td>3</td>
</tr>
<tr>
<td>FINC 514</td>
<td>International Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 529</td>
<td>International Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 581</td>
<td>Marketing for Global Competitiveness</td>
<td>3</td>
</tr>
<tr>
<td>One of:</td>
<td>Internship in International Business</td>
<td>3</td>
</tr>
<tr>
<td>BADM 492</td>
<td>International Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>BADM 400</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 3 hours from ANTH 301, 321, 323, 325, 351; FREN 301; GEOG 303, 304, 306; GERM 300, 301; HIST 345, 351, 547, 548, 551, 552, 553, 561; MCOM 302; PLSC 335, 336, 338, 345, 532; RELG 300; SPAN 301, 302

<table>
<thead>
<tr>
<th>Electives</th>
<th>15-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>124</td>
</tr>
</tbody>
</table>

Note: Students whose first language is English are required to have 6 hrs. of one Foreign Language, excluding LATN. If MGMT 529 or MKTG 581 is used to meet Global Requirement, student may take free electives to satisfy graduation requirements.
Bachelor of Science in Business Administration - Management Option

General Education, see page 65 50-55
Business Requirements and Core, see page 65 36
Management Option 18

MGMT 325 Organ Theory & Behavior 3
MGMT 422 Human Resources Mgmt 3
MGMT 475 Leadership Theory and Development 3
MGMT 575 or PHIL 575 Business Ethics 3
Two of:
ENTR 373 Introduction to Entrepreneurship 3
BADM 561 Electronic Commerce 3
MGMT 491 Internship in Management 3
MGMT 529 International Management 3
Electives 15-20
Total 124

Bachelor of Science in Business Administration - Marketing Option

General Education, see page 65 50-55
Business Requirements and Core, see page 65 36
Marketing Option 18

MKTG 381 Consumer Behavior 3
MKTG 481 Promotion Management 3
MKTG 482 Marketing Research 3
MKTG 489 Marketing Strategy 3
Two of:
BADM 561 Electronic Commerce for Managers 3
MKTG 382 Retailing 3
MKTG 483 Sales and Relationship Marketing 3
MKTG 491 Internship in Marketing 3
MKTG 581 Marketing for Global Competitiveness 3
Electives 15-20
Total 124

Bachelor of Science in Computer Science

The Bachelor of Science in Computer Science is accredited by the Computing Accreditation Commission of ABET (111 Market Place, Suite 1050, Baltimore, MD 21202-4012; telephone: 410-347-7700).

The goal of the Bachelor of Science in Computer Science is to prepare students for careers in software design and implementation and for graduate study in Computer Science. The students in this program are provided with a background that allows them to progress toward leadership roles.

The goal is implemented by a curriculum that carefully blends theory and applications. After completing a two semester introductory sequence in computer science, the student takes a series of courses that provide a strong background in the basic mathematical tools of calculus, logic, discrete mathematics, and probability and statistics and that provide a good background in the natural and social sciences and the humanities.

A high school student entering Winthrop University in the Bachelor of Science degree program in Computer Science who earned a grade of 4 or 5 on the Advanced Placement Test in Computer Science will receive four hours of credit for CSCI 207.

Students enrolled in the Bachelor of Science in Computer Science may not enroll in CSCI courses numbered above 299 unless they have at least a 2.0 grade-point average, completed 54 hours, and a grade of C- or better in HMXP 102. Transfer students must complete HMXP 102 prior to taking upper-level courses in the College of Business Administration. Students who transfer in 54 or more semester hours must complete this course within their first semester. If, during this time, such students do not earn a C- or better in HMXP 102, they will not be permitted to take additional courses above 299 until this general education requirement is met.

Within the 124 hours required for this degree, the student must include at least 40 hours in courses numbered above 299, 20 of which must be in CSCI courses numbered above 299 completed at Winthrop University, and an additional 9 which may be taken at Winthrop University or any schools with programs in Computer Science accredited by the Computer Accrediting Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET). Also, the program must include ECON 103, HIST 211, PLSC 201 or 201H, 311 and 312, or 356.

A student applying for the Bachelor of Science degree in Computer Science must present a cumulative grade-point average of 2.0 or better on all Computer Science courses taken at Winthrop and required for the degree program in order to be awarded the degree. This requirement is in addition to the University requirement of a 2.0 grade point average on the 124 hours required for the degree.
## COLLEGE OF BUSINESS ADMINISTRATION--COMPUTER SCIENCE

### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

### Critical Skills

#### Writing and Critical Thinking
- WRIT 101, CRTW 201: Composition; Critical Reading, Thinking & Writing 6

#### Quantitative Skills
- MATH 201: Calculus I 4

#### Technology
- CSCI 207: Introduction to Computer Science I 4
- CSCI 327: Social Implications of Computing 3

#### Oral Communication
- CSCI 327: Social Implications of Computing 0*

#### Logic/Language/Semiotics
- CSCI 208: Introduction to Computer Science II 4
- QMTH 205: Applied Statistics I 3

### Skills for Common Experience and Thinking Across Disciplines

#### HMXP 102
- The Human Experience: Who Am I? 3

#### Global Perspectives
- Choose from list of approved courses, p. 16 3

#### Historical Perspectives
- Choose from list of approved courses, p. 16 3

### Developing Critical Skills and Applying them to Disciplines

#### Social Science
- See approved list, p. 16; must have at least 2 designators 6-9

#### Humanities and Arts
- See approved list, p. 16; must have at least 2 designators 6-9

#### Natural Science
- PHYS 211/212 or CHEM 105, 106/108 8
- Choose from the current catalog as follows: 4
  - BIOL 203/204 or GEOL in the GEOL minor that is approved as a Natural Sci course.

#### Intensive Writing
- CSCI 327: Social Implications of Computing 0 *

#### Constitutional Requirement
- Choose from list of approved courses, p. 38 0-3

### Additional Math and Science Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAED 200</td>
<td>Introduction to Mathematica</td>
<td>1</td>
</tr>
<tr>
<td>MATH 202</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 261</td>
<td>Foundations of Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>A MATH course over 299</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal**: 72-75

### Computer Science Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 211</td>
<td>Intro to Assembly Language and Comp Architecture</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 271</td>
<td>Algorithm Analysis and Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 311</td>
<td>Computer Architecture and Organization</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 371</td>
<td>Theoretical Foundations</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 411</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 431</td>
<td>Organization of Programming Languages</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 475</td>
<td>Software Engineering I</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 476</td>
<td>Software Engineering II</td>
<td>3</td>
</tr>
<tr>
<td>CSCI courses numbered above 299 (excluding CSCI 514, max 3 hrs from combination of 471 and 491)</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Choose two different courses from: CSCI 291, 292, 293, 295, 297, 392, 395 or 398</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

**Students are required to complete the CSCI culminating assessment exam in the semester in which they graduate. This assessment exam is administered by the CSQM Department Chair.**

### Second Discipline

- Choose one of the following or a minor (other than CSCI):
  - Information Systems: ACCT 280-281, 303 or 309; MGMT 321, and one of FINC311, MKTG 380
  - Physics and Mathematics: PHYS 301, and one of PHYS 315, 321, or 350; MATH 301, 302, and 305

### Electives

**0-17**

### Total

124

* course credit included in another category
1 The total number of hours in the Social Science and in the Humanities and Arts is 15 with 6 hours in one area and 9 hours in the other.
2 A course that satisfies the Constitutional Requirement may be counted in another area.
3 Courses taken in the Second Discipline may be counted in other areas.
4 Electives sufficient to accumulate at least 124 hours.
Economics provides students with an analytical training that is a valuable asset in any career. Many graduates enter the workforce directly and find employment in such diverse areas as banking and finance, management, government service, labor relations, policy research, sports management, consulting, journalism, and marketing. Other students use economics as a foundation for graduate programs in law, business, economics, and policy studies.

Minors are required for all students with a B.A. in Economics. Students must maintain a minimum GPA of 2.0 overall for courses taken at Winthrop as well as for courses counting toward their major and minor programs, and also must complete at least 40 semester hours of courses numbered above 299. Junior standing (54 semester hours) and a C- or better in HMXP 102 are prerequisites for taking upper division courses in economics. Transfer students must complete HMXP 102 prior to taking upper-level courses in the College of Business Administration.

Students who transfer in 54 or more semester hours must complete this course within their first semester. If, during this time, such students do not earn a C- or better in HMXP 102, they will not be permitted to take additional courses above 299 until this general education requirement is met.

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>1</td>
</tr>
<tr>
<td>Critical Skills</td>
<td></td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101, CRTW 201</td>
<td>6</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
</tr>
<tr>
<td>MATH 105 or MATH 201</td>
<td>3</td>
</tr>
<tr>
<td>Technology</td>
<td></td>
</tr>
<tr>
<td>CSCI 101 or CSCI 110 or</td>
<td></td>
</tr>
<tr>
<td>CSCI 101 and CSCI 101B and 101C</td>
<td></td>
</tr>
<tr>
<td>and either CSCI 101A or 101P</td>
<td></td>
</tr>
<tr>
<td>Oral Communication</td>
<td></td>
</tr>
<tr>
<td>WRIT 465</td>
<td>3</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
</tr>
<tr>
<td>QMTH 205, 206</td>
<td>6</td>
</tr>
<tr>
<td>Skills for Common Experience and Thinking Across Disciplines</td>
<td></td>
</tr>
<tr>
<td>HMXP 102</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td></td>
</tr>
<tr>
<td>Choose from list of approved courses, p. 16</td>
<td>3</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td></td>
</tr>
<tr>
<td>Choose from list of approved courses, p. 16</td>
<td>3</td>
</tr>
<tr>
<td>Developing Critical Skills and Applying them to Disciplines</td>
<td></td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
</tr>
<tr>
<td>ECON 215, ECON 216</td>
<td>Microeconomics, Macroeconomics</td>
</tr>
<tr>
<td>Choose from approved list of courses, p. 16</td>
<td>may not use ECON designator</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>See approved list, p. 16; must include 2 designators</td>
</tr>
<tr>
<td>Natural Science</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; must include a lab science; must include 2 designators and designators must come from 2 of 3 different science categories (earth, life, and physical science)</td>
<td>7</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>0**</td>
</tr>
<tr>
<td>Constitution Requirement</td>
<td>See approved list, p. 16</td>
</tr>
<tr>
<td>Subtotal</td>
<td>46-52</td>
</tr>
<tr>
<td>Economics Courses</td>
<td></td>
</tr>
<tr>
<td>ECON 215</td>
<td>Prin of Microeconomics</td>
</tr>
<tr>
<td>ECON 216</td>
<td>Prin of Macroeconomics</td>
</tr>
<tr>
<td>ECON 315</td>
<td>Microeconomic Analysis</td>
</tr>
<tr>
<td>ECON 316</td>
<td>Macroeconomic Analysis</td>
</tr>
<tr>
<td>Five courses from:</td>
<td></td>
</tr>
<tr>
<td>ECON above 299</td>
<td>15</td>
</tr>
<tr>
<td>One course from:</td>
<td></td>
</tr>
<tr>
<td>PLSC 320, 321, 323, or GEOG 302</td>
<td>3</td>
</tr>
<tr>
<td>Minor</td>
<td>12-24***</td>
</tr>
<tr>
<td>Electives</td>
<td>20-36</td>
</tr>
<tr>
<td>Total</td>
<td>124</td>
</tr>
</tbody>
</table>

*The semester hours for ECON 215 and 216 are included in the major requirements.
**The intensive writing requirement will be fulfilled by WRIT 465 under Oral Communication.
***Courses for the minor may count in other General Education areas.
### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

#### Critical Skills

**Writing and Critical Thinking**
- WRIT 101, CRTW 201: Composition; Crit Reading, Thinking, Writing 6

**Quantitative Skills**
- MATH 150, or a MATH course that includes Calculus or has Calculus as a prerequisite 3

**Technology**
- Met in major 0

**Oral Communication**
- WRIT 465: Preparation of Oral & Written Reports 3

**Logic/Language/Semiotics**
- Met in major 0

#### Skills for Common Experience and Thinking Across Disciplines

**Global Perspectives**
- ANTH 201: Introduction to Cultural Anthropology 3

**Historical Perspectives**
- Choose from list of approved courses, p. 16 3

#### Developing Critical Skills and Applying them to Disciplines

**Social Science**
- ECON 215, PSYC 101: Microeconomics, General Psychology 6

**Humanities and Arts**
- See approved list, p. 16; must include 2 designators 6-9

**Natural Science**
- See approved list, p. 16; must include 2 designators and designators must come from 2 of 3 different science categories (earth, life, and physical science)

**Intensive Writing**
- Met with WRIT 465 0

**Constitution Requirement**
- See approved list, p. 16 0-3

**Subtotal** 44-47

#### Information Design Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 101 &amp; 101 A, F &amp; P</td>
<td>Intro to Comp &amp; Info Proc; Windows, Photoshop, C++</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 141</td>
<td>Introduction to Web Application Design</td>
<td>4</td>
</tr>
<tr>
<td>DIFD 151</td>
<td>Introduction to Information Design</td>
<td>1</td>
</tr>
<tr>
<td>VCOM 262</td>
<td>Introduction to Web Design</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 211</td>
<td>Communication Theory and the Internet</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 351</td>
<td>Information Design Seminar: Special Topics</td>
<td>1</td>
</tr>
<tr>
<td>DIFD 321</td>
<td>Information Systems and Organizations</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 322</td>
<td>Visual Design of Complex Systems</td>
<td>4</td>
</tr>
<tr>
<td>DIFD 415</td>
<td>Law and Ethics for Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 451</td>
<td>Senior Synthesis</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total** 28

#### Digital Commerce Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 101</td>
<td>Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 101 B &amp; C</td>
<td>Microsoft Excel &amp; Access</td>
<td>1</td>
</tr>
<tr>
<td>ACCT 280</td>
<td>Accounting Info for Bus Decisions I</td>
<td>3</td>
</tr>
<tr>
<td>QMTH 205 &amp; 206</td>
<td>Applied Statistics I and II</td>
<td>6</td>
</tr>
<tr>
<td>MKTG 380</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 482</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 341</td>
<td>Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>BADM 561</td>
<td>Electronic Commerce for Managers</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 260</td>
<td>Writing for Interactive Media</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 341</td>
<td>Advertising Principles</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 2 courses from the following:
- MKTG 381, 382, 481, 581

**Electives** 12

**Total** 124
<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td><strong>Critical Skills</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Writing and Critical Thinking</strong></td>
<td></td>
</tr>
<tr>
<td>WRIT 101, CRTW 201 Composition; Crit Reading, Thinking, Writing</td>
<td>6</td>
</tr>
<tr>
<td><strong>Quantitative Skills</strong></td>
<td></td>
</tr>
<tr>
<td>MATH 150 (recommended), or a MATH course that includes Calculus or has Calc as a prerequisite</td>
<td>3</td>
</tr>
<tr>
<td><strong>Technology</strong></td>
<td></td>
</tr>
<tr>
<td>Met in major</td>
<td>0</td>
</tr>
<tr>
<td><strong>Oral Communication</strong></td>
<td></td>
</tr>
<tr>
<td>SPCH 201 Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td><strong>Logic/Language/Semiotics</strong></td>
<td></td>
</tr>
<tr>
<td>Met in major</td>
<td>0</td>
</tr>
<tr>
<td><strong>Skills for Common Experience and Thinking Across Disciplines</strong></td>
<td></td>
</tr>
<tr>
<td>HMXP 102 The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
<tr>
<td><strong>Global Perspectives</strong></td>
<td></td>
</tr>
<tr>
<td>Choose from list of approved courses, p. 16</td>
<td>3</td>
</tr>
<tr>
<td><strong>Historical Perspectives</strong></td>
<td></td>
</tr>
<tr>
<td>HIST 212 US History since 1877</td>
<td>3</td>
</tr>
<tr>
<td><strong>Developing Critical Skills and Applying them to Disciplines</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Social Science</strong></td>
<td></td>
</tr>
<tr>
<td>ECON 215, PSYC 101 Microeconomics, General Psychology</td>
<td>6</td>
</tr>
<tr>
<td>PLSC 202 State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td><strong>Humanities and Arts</strong></td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16 must include 2 designators</td>
<td>6</td>
</tr>
<tr>
<td><strong>Natural Science</strong></td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16 must include 2 designators and designators must come from 2 of 3 different science categories (earth, life, and physical science)</td>
<td>7</td>
</tr>
<tr>
<td><strong>Intensive Writing</strong></td>
<td></td>
</tr>
<tr>
<td>Met in major</td>
<td>0</td>
</tr>
<tr>
<td><strong>Constitution Requirement</strong></td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>44-47</td>
</tr>
<tr>
<td><strong>Information Design Core</strong></td>
<td></td>
</tr>
<tr>
<td>CSCI 101 &amp; 101 A, F &amp; P Intro to Comp &amp; Info Proc; Windows, Photoshop, C++</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 141 Introduction to Web Application Design</td>
<td>4</td>
</tr>
<tr>
<td>DIFD 151 Introduction to Information Design</td>
<td>1</td>
</tr>
<tr>
<td>VCOM 262 Introduction to Web Design</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 311 Communication Theory and the Internet</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 351 Information Design Seminar: Special Topics</td>
<td>1</td>
</tr>
<tr>
<td>DIFD 321 Information Systems and Organizations</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 322 Visual Design of Complex Systems</td>
<td>4</td>
</tr>
<tr>
<td>DIFD 415 Law and Ethics for Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 451 Senior Synthesis</td>
<td>3</td>
</tr>
<tr>
<td><strong>Digital Mass Media Concentration</strong></td>
<td></td>
</tr>
<tr>
<td>MCOM 241 Media Writing</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 260 Writing for Interactive Media</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 341 Advertising Principles</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 346 Television Production</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 441 Reporting Public Affairs</td>
<td>3</td>
</tr>
<tr>
<td>VCOM 261 Electronic Image Making</td>
<td>3</td>
</tr>
<tr>
<td>VCOM 363 Multimedia Design I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 141 or equivalent Finite Probability &amp; Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Choose 2 courses from the following (Internship optional)</td>
<td>6-7</td>
</tr>
<tr>
<td>MCOM 333, 345, 349, 471, 491, 492, 493</td>
<td></td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>21-22</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>124</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
</tr>
<tr>
<td>WRIT 101, CRTW 201</td>
<td>Composition; Crit Reading, Thinking, Writing</td>
</tr>
<tr>
<td>MATH 150 (recommended), or a MATH course that includes Calculus or has Calc as a prerequisite</td>
<td>3</td>
</tr>
<tr>
<td>WRIT 465</td>
<td>Preparation of Oral and Written Reports</td>
</tr>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
</tr>
<tr>
<td>See approved list, p. 16; must include 2 designators</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td></td>
</tr>
<tr>
<td>ANTH 201, PSYC 101</td>
<td>Intro to Cultural Anthropology, General Psychology</td>
</tr>
<tr>
<td>SOCL 201</td>
<td>Principles of Sociology</td>
</tr>
<tr>
<td>See approved list, p. 16; must include 2 designators</td>
<td>6</td>
</tr>
<tr>
<td>Natural Science</td>
<td></td>
</tr>
<tr>
<td>CSCI 101C</td>
<td>Microsoft Access</td>
</tr>
<tr>
<td>CSCI 241 &amp; 242</td>
<td>Client/Server Programming for the World Wide Web I &amp; II</td>
</tr>
<tr>
<td>VCOM 120</td>
<td>Rapid Visualization Drawing</td>
</tr>
<tr>
<td>VCOM 150</td>
<td>Design Studio Skills</td>
</tr>
<tr>
<td>VCOM 151</td>
<td>Design Fundamentals</td>
</tr>
<tr>
<td>VCOM 154</td>
<td>Design and Color</td>
</tr>
<tr>
<td>VCOM 261</td>
<td>Electronic Image Making</td>
</tr>
<tr>
<td>VCOM 300</td>
<td>Specialization Portfolio Review</td>
</tr>
<tr>
<td>VCOM 354</td>
<td>Visual Communication Design I</td>
</tr>
<tr>
<td>VCOM 362</td>
<td>Interactive Media</td>
</tr>
<tr>
<td>VCOM 363</td>
<td>Multimedia Design I</td>
</tr>
<tr>
<td>VCOM 462</td>
<td>Interface Design in Alternative e-media</td>
</tr>
<tr>
<td>VCOM 463</td>
<td>Multimedia Design II</td>
</tr>
<tr>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
</tr>
</tbody>
</table>
Bachelor of Science in Digital Information Design with a concentration in Web Application Design

General Education Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

Critical Skills

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101, CRTW 201</td>
<td>Composition; Crit Reading, Thinking, Writing</td>
<td>6</td>
</tr>
</tbody>
</table>

Quantitative Skills

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 150 (recommended), or a MATH course that includes Calculus or has Calc as a prerequisite</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Technology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met in major</td>
<td>Met in major</td>
<td>0</td>
</tr>
</tbody>
</table>

Oral Communication

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 465 or CSCI 327</td>
<td>Prepf Oral &amp; Written Reports, Soc Implications of Comp</td>
<td>3</td>
</tr>
</tbody>
</table>

Logic/Language/Semiotics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met in major</td>
<td>Met in major</td>
<td>0</td>
</tr>
</tbody>
</table>

Skills for Common Experience and Thinking Across Disciplines

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
</tbody>
</table>

Global Perspectives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16</td>
<td>See approved list, p. 16; must include 2 designators</td>
<td>6-9*</td>
</tr>
</tbody>
</table>

Historical Perspectives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16</td>
<td>See approved list, p. 16; must include 2 designators</td>
<td>3</td>
</tr>
</tbody>
</table>

Developing Critical Skills and Applying them to Disciplines

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 101</td>
<td>General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16; must include a lab science; must include 2 designators and designators must come from 2 of 3 different science categories (earth, life, and physical science)</td>
<td>7</td>
<td></td>
</tr>
</tbody>
</table>

Intensive Writing

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met with WRIT 465 or CSCI 327</td>
<td>See approved list, p. 16; must include 2 designators</td>
<td>0</td>
</tr>
</tbody>
</table>

Constitution Requirement

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16</td>
<td>See approved list, p. 16; must include 2 designators</td>
<td>0-3</td>
</tr>
</tbody>
</table>

Subtotal

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>44</td>
</tr>
</tbody>
</table>

Information Design Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 101 &amp; 101 A, F &amp; P</td>
<td>Intro to Comp &amp; Info Proc; Windows, Photoshop, C++</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 141</td>
<td>Introduction to Web Application Design</td>
<td>4</td>
</tr>
<tr>
<td>DIFD 151</td>
<td>Introduction to Information Design</td>
<td>1</td>
</tr>
<tr>
<td>VCOM 262</td>
<td>Introduction to Web Design</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 211</td>
<td>Communication Theory and the Internet</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 351</td>
<td>Information Design Seminar: Special Topics</td>
<td>1</td>
</tr>
<tr>
<td>DIFD 321</td>
<td>Information Systems and Organizations</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 322</td>
<td>Visual Design of Complex Systems</td>
<td>4</td>
</tr>
<tr>
<td>DIFD 415</td>
<td>Law and Ethics for Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>DIFD 451</td>
<td>Senior Synthesis</td>
<td>3</td>
</tr>
</tbody>
</table>

Web Application Design Concentration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 101</td>
<td>Algebra and Trigonometry for Calculus</td>
<td>3</td>
</tr>
<tr>
<td>QMTH 205</td>
<td>Applied Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 101B &amp; C</td>
<td>Microsoft Excel and Access</td>
<td>1</td>
</tr>
<tr>
<td>CSCI 241 &amp; 242</td>
<td>Client/Server Programming for the World Wide Web I &amp; II</td>
<td>7</td>
</tr>
<tr>
<td>CSCI 475 &amp; 476</td>
<td>Software Engineering I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>CSCI 521</td>
<td>Software Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 441</td>
<td>Web Application Design and Development</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 355</td>
<td>Database Processing</td>
<td>3</td>
</tr>
<tr>
<td>VCOM 363</td>
<td>Multimedia Design I</td>
<td>3</td>
</tr>
<tr>
<td>VCOM 462</td>
<td>Interface Design in Alternative e-media</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

Total

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>124</td>
</tr>
</tbody>
</table>
The Richard W. Riley College of Education

Jennie Rakestraw, Dean
Caroline Everington, Associate Dean
Mark Dewalt, Director of Graduate Studies
Kelly M. Costner, Director of Student Academic Services

Mission Statement

The Richard W. Riley College of Education is dedicated to the highest ideals of teaching, scholarship, and service. The College meets this mission through the preparation of professionals who are committed to the betterment of society through a lifelong quest for excellence in learning, leadership, stewardship, and the communication of ideas.

Undergraduate Degree Programs

- Bachelor of Science in Athletic Training
- Bachelor of Science in Early Childhood Education
  South Carolina Certification: PK-3rd grade
- Bachelor of Science in Elementary Education
  South Carolina Certification: Grades 2-6
- Bachelor of Science in Exercise Science
- Bachelor of Science in Family and Consumer Sciences
  Specializations: Business/Media, Early Intervention, Youth Issues
- Bachelor of Science in Middle Level Education
  South Carolina Certification: Grades 5-8
- Bachelor of Science in Physical Education
  South Carolina Certification: Grades K-12
- Bachelor of Science in Special Education
  Learning/Emotional Disabilities
  Mental/Severe Disabilities
  South Carolina Certification: Grades K-12
- Bachelor of Science in Sport Management with the College of Business Administration

Additionally, the Richard W. Riley College of Education works cooperatively with the College of Visual and Performing Arts and the College of Arts and Sciences to offer a number of approved teacher education programs in the following areas:

- Art, Grades K-12
- Dance, Grades K-12
- English, Grades 9-12
- Modern Languages, Grades K-12
  - French
  - Spanish
- Mathematics, Grades 9-12
- Music, Grades K-12
- Science, Grades 9-12
- Biology
- Social Studies, Grades 9-12
- History
- Political Science
- Theatre, Grades K-12

Graduate Degree Programs

The Richard W. Riley College of Education offers a number of graduate degrees to provide leadership and personnel for schools and human service programs. These graduate degrees include:

- Master of Education in Counseling and Development
- Master of Education in Educational Leadership
- Master of Education in Curriculum and Instruction
- Master of Education in Reading
- Master of Arts in Teaching
- Master of Education in Middle Level Education
- Master of Education in Special Education
- Master of Science in Physical Education

More information concerning the graduate programs can be obtained by writing:
Graduate Director
Richard W. Riley College of Education, 106 Withers/WTS
Winthrop University
Rock Hill, South Carolina 29733

Accreditations

The Richard W. Riley College of Education is proud of its accreditations and affiliations. The Teacher Education Program at Winthrop University is accredited by the National Council for Accreditation of Teacher Education (NCATE) for the preparation of early childhood, elementary, middle level, special education, physical education, art, modern languages, music, dance, theatre, and secondary teachers (Biology, English, Social Studies, and Mathematics) through the Bachelor’s degree. At the graduate level, the Master of Education and the Master of Arts in Teaching degrees are nationally accredited by NCATE. All teacher education programs are approved by the South Carolina State Board of Education, and all programs are fully accredited by their specialized professional associations. Recognition by these agencies assures program quality.
and affords students who complete teacher preparation at Winthrop University the opportunity to apply for reciprocal accreditations with a majority of states in the nation.

**Instructional Facilities and Special Programs**

**Macfeat Early Childhood Laboratory School**

The Macfeat Early Childhood Laboratory School functions as a research laboratory where innovative approaches in early childhood education are investigated. Macfeat provides opportunities to observe and interact with a diverse group of children ages 3 to 5 years in full and half day programs. Macfeat is nationally accredited by the National Association for the Education of Young Children (NAEYC).

**North Central Mathematics and Science Regional Center**

Through an infrastructure of eight regional centers, the Office of Curriculum and Standards in the South Carolina Department of Education provides statewide leadership and services to schools and districts in the areas of mathematics and science. The North Central Mathematics and Science Regional Center works with schools in Chester, Chesterfield, Fairfield, Kershaw, Lancaster, and York counties.

**Instructional Technology Center**

The primary function of the Instructional Technology Center is to enhance the knowledge and use of educational technology by Winthrop’s faculty and students. The Center is open to students, faculty, and the local public schools as a resource for educational technology needs, curriculum development, and preparation of instructional materials. Selected instructional materials, hardware, and software are available for student use.

**South Carolina Teaching Fellows Program**

The Teaching Fellows Program for South Carolina is funded by the South Carolina General Assembly in an effort to recruit the finest high school graduates to the teaching profession. The Winthrop University Teaching Fellows Program, *New Bridges*, is an innovative program designed to offer students an intensive, coordinated service learning experience in working collaboratively with the local community, business, and school leaders to provide services to Latino children/families and others whose first language is not English. The program began in fall 2002 and admits approximately 25 students a year.

**The Center for Educator Recruitment, Retention, and Advancement (CERRA)**

The Center for Educator Recruitment, Retention, and Advancement (CERRA) is an ambitious effort by the General Assembly, the state’s public and private colleges and universities, education-related agencies, businesses, and the state public school system to recruit and retain a new generation of academically-able classroom teachers. The Center works with over 150 high schools in South Carolina in support of the Teacher Cadet program. In addition, the Center provides a statewide job placement service, coordinates the state’s Teaching Fellows Program and National Board Certification efforts, and houses the most current information available on teacher supply and demand.

**Student Academic Services**

Student Academic Services has primary responsibility for coordination of academic advising, placement of practicum students for public school experiences, assignment of all field placements and internships, and all matters pertaining to certification. The office serves as an information center for matters concerning degree programs in the Richard W. Riley College of Education, procedures for admission to teacher education, scholarships, and academic requirements and regulations of the University.

**The Teacher Education Committee**

The faculty at Winthrop University recognize that the preparation of teachers is a university-wide responsibility. Hence, the various programs for teacher preparation represent a cooperative effort by all academic areas involved in teacher education. This effort is overseen by the Teacher Education Committee (TEC). The TEC is comprised of faculty, students, administrative staff, and local school practitioners charged with the responsibility of guiding, monitoring, and reviewing all aspects of the Teacher Education Program at Winthrop University.

**Academic Advising**

Academic advising is an integral part of the learning process at Winthrop University. Faculty in the Richard W. Riley College of Education regard academic advising as a major responsibility which enhances teaching and campus life. All students in the College of Education are assigned a faculty adviser. Faculty advisers work with students to review academic goals and explain how course work and field assignments assist them in attaining their personal and professional goals. Students have a responsibility to schedule regular appointments with the faculty adviser. Students can make the most of advising by reading this *Catalog* and being prepared for discussion of academic goals, responsibilities, and requirements.

Additionally, the College provides a full-time academic adviser to assist freshmen and transfer students. After an initial meeting with the academic adviser, a faculty adviser from the student’s chosen discipline of study will be assigned. The Richard W. Riley College of Education’s academic adviser is: Ms. Rebeca Malambri, Student Academic Services, 144 Withers/WTS, (803) 323-4750.

Prior to course registration, students are required to have the approval and signature of their faculty adviser.
Students may change advisers through a formal request to the appropriate department chair or the Director of Student Academic Services.

Professional Education Core
All teacher education students are required to complete a planned sequence of courses and field experiences designed to prepare them for their roles in schools and society. The Professional Education Core is designed around the conceptual framework, Teacher as Educational Leader. The curriculum is organized with concepts, themes, stages of development, and numerous competencies to best prepare contemporary educators. The following organizing conceptual statements outline the emphases of the core.

1. The educational leader strives to improve the human condition through reflective study of human development, learning, and diversity.
2. The educational leader possesses an understanding of the historical foundations of schooling and exhibits ethical behavior consistent with the laws and policies governing American education.
3. The educational leader employs appropriate curricular decisions to provide effective instruction.
4. The educational leader is a skilled teacher able to design, deliver, evaluate, and refine instruction.
5. The educational leader serves as an example of a reflective teacher, scholar, communicator, and advocate serving the interests of students and society.

Students' progress on each of the organizing concepts is assessed continuously as they move through the conceptual framework's three stages of development: exploratory, preprofessional, and professional. The three critical points of review are admission to the Teacher Education Program, approval to enter the professional or internship stage, and entry into the profession.

The College of Education is committed to the preparation of educational leaders. To that end, professional dispositions are assessed throughout the program to ensure teacher candidates are meeting the highest standards of the profession. The professional Core ensures that teacher education students can integrate general content, professional knowledge, and pedagogical knowledge to create meaningful learning experiences for all students. This integrative focus of teacher education sets Winthrop University and its graduates apart from other programs.

By having faculty who hold diverse disciplinary perspectives teach throughout the sequence of courses, the Core encourages students to develop a professionally responsible understanding of the diversity that defines learners and teachers. Within the Core, students engage in supervised practice applying their developing knowledge and skills. All Core courses are housed within the Center for Pedagogy.

The Professional Education Core consists of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 110</td>
<td>Teachers, Schools &amp; Society</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 210</td>
<td>Psychology of the Learner I</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 250</td>
<td>Psychology of the Learner II</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 275</td>
<td>Integ Tech To Support Teaching &amp; Learning</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 310</td>
<td>Working With Excep &amp; Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 390</td>
<td>Core Issues in Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>AREA 391</td>
<td>Principles of Teaching (Content)</td>
<td>3</td>
</tr>
<tr>
<td>AREA 392</td>
<td>Field Experience in Teaching (Content)</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 475</td>
<td>Internship in Reflective Practice</td>
<td>10</td>
</tr>
<tr>
<td>EDUC 490</td>
<td>Capstone for Educational Leaders</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Credits**: 33

Suggested sequence

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Year</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 110</td>
<td>Freshman</td>
<td></td>
</tr>
<tr>
<td>EDUC 210</td>
<td>Sophomore</td>
<td>Fall</td>
</tr>
<tr>
<td>EDUC 250</td>
<td>Sophomore</td>
<td>Spring</td>
</tr>
<tr>
<td>EDUC 275</td>
<td>Sophomore</td>
<td></td>
</tr>
<tr>
<td>EDUC 310</td>
<td>Junior</td>
<td></td>
</tr>
<tr>
<td>EDUC 390</td>
<td>Senior</td>
<td>Fall only</td>
</tr>
<tr>
<td>AREA 391</td>
<td>Senior</td>
<td>Fall only</td>
</tr>
<tr>
<td>AREA 392</td>
<td>Senior</td>
<td>Fall only</td>
</tr>
<tr>
<td>EDUC 475</td>
<td>Senior</td>
<td>Spring</td>
</tr>
<tr>
<td>EDUC 490</td>
<td>Senior</td>
<td>Spring</td>
</tr>
</tbody>
</table>

NOTE: The College of Education faculty are continuously reviewing and revising curricula to meet the needs of contemporary schools. Students applying to Winthrop should be alert to curricular changes as they occur and how those changes impact their programs.

Admission to the Teacher Education Program
The Teacher Education Program at Winthrop University may be completed by students enrolled in the Richard W. Riley College of Education, the College of Arts and Sciences, and the College of Visual and Performing Arts. All students seeking to complete the Teacher Education Program must meet all admission requirements and be formally admitted before they are allowed to enroll in restricted professional courses. Any Teacher Education Professional Dispositions and Skills found will be reviewed prior to admission.

Admission to the Teacher Education Program serves as the first level of assessment under the conceptual framework, Teacher as Educational Leader. Admission is granted by the Dean of the Richard W. Riley College of Education who notifies each student upon acceptance into the program. All students seeking admission must meet the following requirements:

1. Attend an information session on admission to Teacher Education during the semester of enrollment in EDUC 110 or during the semester the first education course is taken at Winthrop.
2. Complete a minimum of 45 semester hours, fifteen of which must be completed at Winthrop University.
3. Achieve a minimum cumulative grade point average of 2.75 for coursework completed at Winthrop.
4. Complete the following core courses with a grade of “C” or better in each course: EDUC 110, 210 and 275.
5. Pass all sections (Reading, Writing and Mathematics) of PRAXIS I or satisfy the testing requirement with minimum scores on the SAT, SAT I, or ACT.
6. Submit an Application for Admission to Teacher Education to Student Academic Services that includes:
   a) a disclosure statement concerning criminal/unethical conduct including any judicial or disciplinary action taken while enrolled at Winthrop University or another institution of higher education,
   b) evidence of 25 hours of recent, successful, supervised experience working with the age-level student for which certification is sought, or completion of Teacher Cadet program, or participation in Teaching Fellows program,
   c) an admission essay that documents the student’s growth toward becoming an educational leader in a democracy. Students are required to provide examples of how their experiences in general education, core courses, major courses, field experiences, cultural events, service learning, and using technology have prepared them to be well-educated teacher candidates who are committed to and capable of working with diverse and challenging students,
   d) one to three original pieces of the student’s best work from courses taken at Winthrop University that support the admission application.
7. Receive a favorable recommendation from the following:
   • the Director of Student Academic Services
   • an admission committee comprised of faculty from the major and the Center for Pedagogy, and
   • the Dean of Education

Continuation in the Teacher Education Program

Candidates admitted to the Teacher Education Program are required to maintain a minimum overall grade point average of 2.75 and must be in good standing within the University community. Candidates must submit a field experience application the spring before they begin AREA 392.

Requirements for Entry into the Professional Stage

All teacher education candidates seeking to complete the Professional (Internship) stage of the Teacher Education Program must meet all requirements before being allowed to enroll in EDUC 475 - Internship in Reflective Practice and EDUC 490 - Capstone for Educational Leaders. Approval to enter the Professional Stage serves as the second level of assessment under the conceptual framework, Teacher as Educational Leader. Approval is granted by the Director of Student Academic Services after candidates have met all the following requirements:
1. Submission of an internship application to Student Academic Services.
2. Completion of a minimum of 110 semester hours.
3. Minimum cumulative GPA of 2.75 for coursework completed at Winthrop.
4. Completion of the following core courses with a grade of “C” or better in each course: EDUC 310 and 390.
5. Grade of “C” or better in courses designated by the candidate’s program area.
6. Completion of all required courses as specified by faculty in the major.
7. Competency review indicating satisfactory completion of (a) required Work Samples in designated program area methods courses and Core education classes, (b) satisfactory Field Experience Midterm and Final Evaluations, and if appropriate, (c) a review of Teacher Education Profession Dispositions and Skills forms.
8. Completed disclosure statement regarding criminal or unethical conduct.
9. Signed recommendations from:
   • Faculty Adviser
   • Department Chair in the candidate’s major and/or Program Area designee
   • Director of the Center for Pedagogy

NOTE: Before beginning full-time internship in the state of South Carolina, a teacher education candidate must obtain a clear fingerprint/FBI check.

Teacher Education Program Completion

To exit the program, teacher education candidates must meet all degree requirements as well as the following requirements:
1. Successful completion of a minimum of 124 semester hours with a minimum GPA of 2.75.
2. Passage of EDUC 475, Internship in Reflective Practice, and EDUC 490, Capstone for Educational Leaders.
3. Completion of the Praxis II tests in the candidate’s content area.
4. Successful completion of a competency review by the program area committee in which the following documents are reviewed: Internship Midterm and Final Evaluations, Scored Rubrics for the Internship Work Sample, and if appropriate, a review of Teacher Education Professional Dispositions and Skills Form(s).
5. Signed recommendation by the following members of the program area committee: program area designee, department chair in the major, and the university internship supervisor.

Appeals

Any student wishing to appeal an admission decision, a program requirement, an internship placement issue, or a certification recommendation issue must make such an appeal in accordance with the policies and procedures
established by the Teacher Education Committee (TEC). Students must obtain a “Petition For Exception” form from Student Academic Services. Petitions must be completed with accurate information and include supporting documentation such as a transcript, current course schedule, letters of support, and other appropriate documentation. Students are strongly urged to develop their petitions with the direct assistance of their faculty advisers. All petitions must be signed by the student, the student’s adviser, and the department chair of the student’s major area. The completed petition is submitted to Student Academic Services. The Petitions Committee, a subcommittee of the TEC, reviews the appeal from the student, makes a recommendation to the TEC, which in turn makes a recommendation to the Dean of the Richard W. Riley College of Education. Students are then notified in writing of the Dean’s decision within thirty working days.

In special circumstances and when recommended by the department chair, the Dean may grant a one-time waiver of a restriction in order for a student to continue coursework in a timely manner.

**PRAXIS II Series**

The PRAXIS II Series content area examinations are required for graduation of all candidates in the teacher education program. For the most current PRAXIS information required for test(s) in your content area, visit the South Carolina Department of Education website: http://www.scteachers.org/cert/exam.cfm.

For current Title II information on the performance of Winthrop’s teacher education majors and minors on the PRAXIS II series examinations, please refer to the Richard W. Riley College of Education web page: http://coe.winthrop.edu/title2.

**Faculty**

**Professors**
Charles J. Bowers  
Stevea Chepko, Chair,  
Department of Health and Physical Education  
Mark Dewalt, Director, Center for Pedagogy  
Caroline Everington, Associate Dean  
Patricia L. Graham  
Susan Green  
Jennie Rakestraw, Dean  
Jonatha W. Vare, Chair, Department of Curriculum and Instruction

**Associate Professors**
A. J. Angulo  
Rebecca Evers  
Christine Ferguson  
Shelley Hamill  
Mel Horton  
Marshall G. Jones  
Jennifer Jordan  
Carol Marchel  
Elke Schneider  
Carol Shields  
Sue Spencer  
Bradley Witzel, Assistant Chair, Department of Curriculum and Instruction

**Assistant Professors**
Albert Bolognese  
Wanda Briggs  
Judy Britt  
Kelly M. Costner  
Moody Crews  
Diana Durbin  
Lisa Harris, Director, Instructional Technology Center  
Lisa Johnson  
Danella Kasparek  
Curt Laird  
Deborah Leach  
Mary Martin  
Alice J. McLaine  
Kavin Ming  
Deborah Mink, Director, Student Academic Services  
Mark Mitchell  
Linda Pickett  
Nakia Pope  
Kristi Schoepfer  
Tenisha Powell  
David Vawter  
Linda Winter

**Instructors**
Abbigail Armstrong  
Natalie Kotowski  
Rebecca O. Malambri  
Suzanne Okey  
Beth Peters  
Melanie Powley  
Mary F. Watson
<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy 1</td>
</tr>
</tbody>
</table>

### Critical Skills

**Writing and Critical Thinking**
- WRIT 101, CRTW 201: Composition; Critical Reading, Thinking & Writing 6

**Quantitative Skills**
- MATH 150: Introduction to Discrete Mathematics 3

**Technology**
- EDUC 275*: Integ Tech to Support Teaching & Learning 0

**Oral Communication**
- ECED 391*: Teaching Social Studies in ECED 0

**Logic/Language/Semiotics**
- MATH 291*: Basic Number Concepts for Teachers 3
- MATH 292*: Number, Meas, and Geometry Concepts for Teachers 3

### Skills for Common Experience and Thinking Across Disciplines

**Global Perspectives**

**Historical Perspectives**
- GEOG 101: Human Geography 3
- HIST 211, 212 or 308: United States History or American Ethnic History 3

### Developing Critical Skills and Applying them to Disciplines

**Social Science**
- SOCL 101 or 201 or ANTH 201: Prin of Sociology or Cultural Anthropology 3
- PSLC 201 or ECON 103: American Govt or Intro to Pol Econ 3

**Humanities and Arts**
- ARTE 547~: Art for Classroom Teachers 3
- MUST 315~: Music for the Classroom Teacher 3
- ENGL Literature: See approved Humanities/Arts list, p. 16 3

**Natural Science**
- PHYS 250/251: Matter and Energy/Lab 4
- GEOL 250/251: Earth and Space Systems/Lab 4
- BIOL 150/151: Elements of Living Systems/Invest into Living Sys 4

### Intensive Writing

- READ 322: Elementary and Middle School Lang Arts Lab 0

### Professional Education Sequence

- EDUC 110*: Teachers, Schools & Society 3
- EDUC 210*: Psychology of the Learner I 3
- EDUC 250*: Psychology of the Learner II 3
- EDUC 275*: Integ Tech to Support Teaching & Learning 2
- EDUC 310*: Working With Except & Div Learners 3
- EDUC 390*: Core Issues in Teacher Education 3
- EDUC 475~: Internship in Reflective Practice 10
- EDUC 490~: Capstone for Educational Leaders 2
- ECED 109*: Management and Supervision Childcare Centers 2
- ECED 332*: Introduction to Early Childhood Education 3
- ECED 333*: Creative Activities for Young Children 3
- ECED 391*: Teaching Social Studies in ECED 3
- ECED 392*: Field Experiences in ECED 1
- ECED 432*: Teaching Mathematics in ECED 3
- ECED 433*: Teaching Science in ECED 3
- EDCI 331*: Community Connections for Families 3
- EDCI 336*: Young Children: Insuring Success 3
- PHED 203: Developmental Movement for Young Children 3
- READ 321*: Elementary & Middle School Language Arts 3
- READ 322*: Elementary and Middle School Lang Arts Lab 1
- READ 461~: Intro to Teach Reading in the Elementary School 3
- READ 510~: Literature for Children 3

### Electives

6

**Total** 124

*A grade of C or better must be earned and this course cannot be taken as S/U

~Restricted to students admitted to the Teacher Education program
# Bachelor of Science in Elementary Education

## General Education Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

## Critical Skills

### Writing and Critical Thinking

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101, CRTW 201</td>
<td>Composition; Crit Reading, Thinking &amp; Writing</td>
<td>6</td>
</tr>
</tbody>
</table>

### Quantitative Skills

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 150</td>
<td>Introduction to Discrete Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

## Technology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 275**</td>
<td>Integ Tech to Support Teaching &amp; Learning</td>
<td>0</td>
</tr>
</tbody>
</table>

## Oral Communication

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEM 391</td>
<td>Prin of Teaching Elem School: Grades K-6</td>
<td>0</td>
</tr>
</tbody>
</table>

## Logic/Language/Semiotics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 291*</td>
<td>Basic Number Concepts; Num, Msmt, Geom for Teachers</td>
<td>6</td>
</tr>
<tr>
<td>MATH 393*</td>
<td>Algebra, Data Analysis, &amp; Geom Concepts for Teachers</td>
<td>3</td>
</tr>
</tbody>
</table>

## Skills for Common Experience and Thinking Across Disciplines

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
</tbody>
</table>

## Global Perspectives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101*</td>
<td>Human Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

## Historical Perspectives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 211*, 212* or 308*</td>
<td>United States History or American Ethnic History</td>
<td>3</td>
</tr>
</tbody>
</table>

## Developing Critical Skills and Applying them to Disciplines

### Social Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCL 201* &amp; ANTH 201*</td>
<td>Prin of Sociology &amp; Cult Anthropology</td>
<td>6</td>
</tr>
<tr>
<td>PSLC 201* or ECON 103*</td>
<td>American Govt or Intro to Pol Econ</td>
<td>3</td>
</tr>
</tbody>
</table>

### Humanities and Arts

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTE 547~</td>
<td>Art for Classroom Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MUST 315~</td>
<td>Music for the Classroom Teacher</td>
<td>3</td>
</tr>
<tr>
<td>ENGL Literature elective</td>
<td>See approved Humanities/Arts List, p. 16</td>
<td>3</td>
</tr>
</tbody>
</table>

### Natural Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 250*/251*</td>
<td>Matter and Energy/Lab</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 250*/251*</td>
<td>Earth and Space Systems/Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 150*/151*</td>
<td>Elements of Living Systems/Invest into Living Sys</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 210, GEOL 220, PHYS 253, BIOL 101 or 106</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### Intensive Writing

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 322**</td>
<td>Elementary and Middle School Lang Arts Lab</td>
<td>0</td>
</tr>
</tbody>
</table>

## Professional Education Sequence

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 110**</td>
<td>Teachers, Schools &amp; Society</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 210**</td>
<td>Psychology of the Learner I</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 250**</td>
<td>Psychology of the Learner II</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 275**</td>
<td>Integ. Tech to Support Teaching &amp; Learning</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 310**~</td>
<td>Working With Except &amp; Div Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 390~</td>
<td>Core Issues in Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 475~</td>
<td>Internship in Reflective Practice</td>
<td>10</td>
</tr>
<tr>
<td>EDUC 490~</td>
<td>Capstone for Educational Leaders</td>
<td>2</td>
</tr>
<tr>
<td>ELEM 293</td>
<td>Lab Experiences in Public School</td>
<td>3</td>
</tr>
<tr>
<td>ELEM 341**~</td>
<td>Teach Social Studies in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>ELEM 391~</td>
<td>Prin. of Teaching Elem School: Grades K-6</td>
<td>3</td>
</tr>
<tr>
<td>ELEM 392~</td>
<td>Field Experience in Teaching Elem</td>
<td>1</td>
</tr>
<tr>
<td>ELEM 431*~</td>
<td>Teach Science in Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>ELEM 436**~</td>
<td>Teaching Math in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 303~</td>
<td>Health Education</td>
<td>2</td>
</tr>
<tr>
<td>PHED 261</td>
<td>Movement &amp; Fit Act for Teach of Child Ages 6-12</td>
<td>1</td>
</tr>
<tr>
<td>READ 321**</td>
<td>Elementary &amp; Middle School Language Arts</td>
<td>3</td>
</tr>
<tr>
<td>READ 322**</td>
<td>Elementary and Middle School Lang Arts Lab</td>
<td>1</td>
</tr>
<tr>
<td>READ 461**~</td>
<td>Intro to Teach Reading in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>READ 510**~</td>
<td>Literature for Children</td>
<td>3</td>
</tr>
<tr>
<td>READ 571**~</td>
<td>Diagnostic &amp; Prescriptive Teach of Read</td>
<td>3</td>
</tr>
<tr>
<td>DCED 351</td>
<td>Dance for the Elementary Classroom</td>
<td>1</td>
</tr>
<tr>
<td>THED 351</td>
<td>Theatre for the Elementary Classroom</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total** 124

---

*A grade of C or better must be earned.

**A grade of C or better must be earned and this course cannot be taken as S/U

~Restricted to students admitted to the Teacher Education program
This degree is designed for students who wish to teach in middle schools. The curriculum of the degree prepares the middle level educator to teach in two separate content areas. Each student will have a teacher preparation program in English/Language Arts and then may choose one of three areas: math, science or social studies. Due to the complexity of this degree, its content areas, general education requirements, and lack of electives, students are urged to always receive prior approval from their advisers before enrolling in any course.

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101  Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

### Critical Skills

- **Writing and Critical Thinking**
  - WRIT 101 and CRTW 201 Composition; Critical Reading, Thinking, & Writing 6

- **Quantitative Skills**
  - MATH 150 Introduction to Discrete Mathematics 0

### Technology

- EDUC 275 Integ. Tech to Support Teaching & Learning 0

### Oral Communication

- ENGE 391 Princ of Teaching Engl in Mid & Secon Schools 0

### Logic/Language/Semiotics

- MATH 103 Algebra & Trigonometry 0

- One semester of foreign language 3-4

### Skills for a Common Experience and Thinking Across Disciplines

- HMXP 102 The Human Experience: Who Am I? 3

- ENGL 208 (Global) Foundation of World Literature 0

- ENGL 507 (Historical) History & Development of Modern English 0

### Developing Critical Skills and Applying them to Disciplines

#### Social Sciences

- PLSC 201 American Government 3

- Consult adviser and list 3

#### Humanities and Arts

- ENGL 203 Major British Authors 0

- ENGL 211 Major American Authors 0

- Consult adviser and list, p. 38 3

#### Natural Science

- Consult adviser and list, p. 16 7

### Intensive Writing

- WRIT 350 Introduction to Composition Theory & Pedagogy 0

### Constitution Requirement

- PLSC 201 American Government 0

### Professional Education Sequence

- EDUC 110** Teachers, Schools & Society 3

- EDUC 210** Psychology of the Learner I 3

- EDUC 250** Psychology of the Learner II 3

- EDUC 275** Integ. Tech to Support Teaching & Learning 2

- EDUC 310** Working With Except & Div Learners 3

- EDUC 390~ Core Issues in Teacher Education 3

- EDUC 475~ Internship in Reflective Practice 10

- EDUC 490~ Capstone for Educational Leaders 2

- EDCI 305** Introduction to the Middle School 3

- EDCI 315** Developmental Aspects of Middle Level Learners 3

- EDCI 325** Content Literacy for Middle Level Learners 3

- EDCI 392 Field Experiences in Middle Level Education 1

### Content Concentrations

#### English/Language Arts

- ENGL 203 Major British Authors 3

- ENGL 208 Foundation of World Literature 3

- ENGL 211 Major American Authors 3

- ENGL 507 History & Development of Modern English 3

- ENGL 303 Grammar 3

- READ 321 or 461 Elem & Mid School Lang Arts/Intro to Teaching Read 3

- WRIT 350 Introduction to Composition Theory & Pedagogy 3
Choose one:
- ENGL 300 Approaches to Literature
- ENGL 305 Shakespeare
- ENGL 317 The Short Story
- ENGL 330 Women and Literature
- ENGL 370 Literature and Film
- ENGL 518 African American Literature
- ENGL 519 Adolescent Literature

**Required Methods**
- ENGE 391 Princ of Teaching Engl in Mid & Secon Schools 3
- Mathematics 25
- MATH 150 Introduction to Discrete Mathematics 3
- MATH 201, MAED 200 Calculus I, Intro to Mathematica 7–8
- OR MATH 201, MAED 200 & one of the following: MATH 202, MATH 301H, MATH 261
- MATH 291, MATH 292, MATH 393 9

**Required Methods**
- MAED 391 Principles of Teaching Mathematics 3
- Elective 0-1

**Total** 124

**Note:** A grade of C or better must be earned and this course cannot be taken as S/U. 
~Restricted to students admitted to the Teacher Education program

---

**Bachelor of Science in Middle Level Education**

**English/Language Arts and Science**

This degree is designed for students who wish to teach in middle schools. The curriculum of the degree prepares the middle level educator to teach in two separate content areas. Each student will have a teacher preparation program in English/Language Arts and then may choose one of three areas: math, science, or social studies. Due to the complexity of this degree, its content areas, general education requirements, and lack of electives, students are urged to always receive prior approval from their advisers before enrolling in any course.

**General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td></td>
</tr>
<tr>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

**Critical Skills**

**Writing and Critical Thinking**
- WRIT 101 and CRTW 201 Composition; Critical Reading, Thinking, & Writing 6

**Quantitative Skills**
- MATH 150 Introduction to Discrete Mathematics 3

**Technology**
- EDUC 275 Integ. Tech to Support Teaching & Learning 0

**Oral Communication**
- ENGE 391 Princ of Teaching Engl in Mid & Secon Schools 0

**Logic/Language/Semiotics**
- MATH elective 3
- One semester of foreign language 3-4

**Skills for a Common Experience and Thinking Across Disciplines**
- HMXP 102 The Human Experience: Who Am I? 3
- ENGL 208 (Global) Foundation of World Literature 0
- ENGL 507 (Historical) History & Development of Modern English 0

**Developing Critical Skills and Applying them to Disciplines**

**Social Sciences**
- PLSC 201 American Government 3
- Consult adviser and list 3

**Humanities and Arts**
- ENGL 203 Major British Authors 0
- ENGL 211 Major American Authors 0
- Consult adviser and list 3

**Natural Science**
- Required Science Program 0

**Intensive Writing**
- WRIT 350 Introduction to Composition Theory & Pedagogy 0

**Constitution Requirement**
- PLSC 201 American Government 0
### Professional Education Sequence

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 110**</td>
<td>Teachers, Schools &amp; Society</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 210**</td>
<td>Psychology of the Learner I</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 250**</td>
<td>Psychology of the Learner II</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 275**</td>
<td>Integ. Tech to Support Teaching &amp; Learning</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 310**~</td>
<td>Working With Except &amp; Div Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 390*~</td>
<td>Core Issues in Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 475~</td>
<td>Internship in Reflective Practice</td>
<td>10</td>
</tr>
<tr>
<td>EDUC 490~</td>
<td>Capstone for Educational Leaders</td>
<td>2</td>
</tr>
<tr>
<td>EDCI 305**</td>
<td>Introduction to the Middle School</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 315**</td>
<td>Developmental Aspects of Middle Level Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 325**</td>
<td>Content Literacy for Middle Level Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 392</td>
<td>Field Experiences in Middle Level Education</td>
<td>1</td>
</tr>
</tbody>
</table>

### Content Concentrations

#### English/Language Arts

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 203</td>
<td>Major British Authors</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 208</td>
<td>Foundation of World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 211</td>
<td>Major American Authors</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 507</td>
<td>History &amp; Development of Modern English</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 303</td>
<td>Grammar</td>
<td>3</td>
</tr>
<tr>
<td>READ 321 or 461</td>
<td>Elem &amp; Mid School Lang Arts/Intro to Teaching Read</td>
<td>3</td>
</tr>
<tr>
<td>WRIT 350</td>
<td>Introduction to Composition Theory &amp; Pedagogy</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 519</td>
<td>Adolescent Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGE 391</td>
<td>Princ of Teaching Engl in Mid &amp; Secon Schools</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one:

- ENGL 300: Approaches to Literature
- ENGL 305: Shakespeare
- ENGL 317: The Short Story
- ENGL 330: Women and Literature
- ENGL 370: Literature and Film
- ENGL 518: African American Literature

#### Sciences

##### Basic Concentration

Select one of the following sequences:

- BIOL 150/151 and BIOL 205 or 206: Elements of Living Systems, Gen Botony, Gen Zoology
- CHEM 105 and CHEM 106/108: General Chemistry I & II
- PHYS 201 and 202: General Physics I & II
- GEOL 110/113 and GEOL 210/211: Physical Geology, Historical Geology

##### Additional Basics

Select three or four from the following list. All must be different from the Basic Concentration.

- CHEM 105: General Chemistry I
- PHYS 201: General Physics I
- GEOL 110/113: Physical Geology
- BIOL 150/151: Elements of Living Systems
- PHYS 253: Astronomy

##### Science Electives

Select four additional hours from the following list:

- ANTH 202: Intro to Biological Anthropology
- BIOL 205: General Botony
- BIOL 206: General Zoology
- CHEM 106/108: General Chemistry II
- GEOL 210/211: Historical Geology
- GEOL 220: Oceanography
- PHYS 202: General Physics II
- A BIOL course above 299
- A CHEM course above 299
- A GEOL course above 299
- A PHYS course above 299

#### Required Methods Course

- SCIE 391: Principles of Teaching Science  

| Total       | 127 |

**A grade of C or better must be earned and this course cannot be taken as S/U.**  
~Restricted to students admitted to the Teacher Education program
Bachelor of Science in Middle Level Education
English/Language Arts and Social Studies

This degree is designed for students who wish to teach in middle schools. The curriculum of the degree prepares the middle level educator to teach in two separate content areas. Each student will have a teacher preparation program in English/Language Arts and then may choose one of three areas: math, science or social studies. Due to the complexity of this degree, its content areas, general education requirements, and lack of electives, students are urged to always receive prior approval from their advisers before enrolling in any course.

<table>
<thead>
<tr>
<th>General Education</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Critical Skills</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing and Critical Thinking</td>
<td>Composition; Critical Reading, Thinking, &amp; Writing</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td>Introduction to Discrete Mathematics</td>
</tr>
<tr>
<td>Technology</td>
<td>Integ. Tech to Support Teaching &amp; Learning</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>Prin of Teaching Engl in Middle &amp; Second Schools</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Logic/Language/Semiotics</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>One semester of foreign language</td>
<td></td>
</tr>
<tr>
<td>Consult adviser and list</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skills for a Common Experience and Thinking Across Disciplines</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102 The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 208 (Global) Foundation of World Literature</td>
<td>0</td>
</tr>
<tr>
<td>HIST 212 (Historical) US History since 1877</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Developing Critical Skills and Applying them to Disciplines</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Sciences</td>
<td>American Govt, State &amp; Local Govt</td>
</tr>
<tr>
<td>GEOG 101 Human Geography</td>
<td>0</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>Major British Authors</td>
</tr>
<tr>
<td>ENGL 211 Major American Authors</td>
<td>0</td>
</tr>
<tr>
<td>HIST 111 World Civilizations to 950</td>
<td>0</td>
</tr>
<tr>
<td>Natural Science</td>
<td>Consult adviser and list, p. 16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Intensive Writing</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 350 Introduction to Composition Theory &amp; Pedagogy</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Constitution Requirement</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 211 US History to 1877</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Professional Education Sequence</th>
<th>39</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 110** Teachers, Schools &amp; Society</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 210** Psychology of the Learner I</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 250** Psychology of the Learner II</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 275** Integ. Tech to Support Teaching &amp; Learning</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 310** Working With Except &amp; Div Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 390~ Core Issues in Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 475~ Internship in Reflective Practice</td>
<td>10</td>
</tr>
<tr>
<td>EDUC 490~ Capstone for Educational Leaders</td>
<td>2</td>
</tr>
<tr>
<td>EDCI 305** Introduction to the Middle School</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 315** Developmental Aspects of Middle Level Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 325** Content Literacy for Middle Level Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 392 Field Experiences in Middle Level Education</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Content Concentrations</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>English/Language Arts</td>
<td>30</td>
</tr>
<tr>
<td>ENGL 203 Major British Authors</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 208 Foundation of World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 211 Major American Authors</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 507 History &amp; Development of Modern English</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 303 Grammar</td>
<td>3</td>
</tr>
<tr>
<td>READ 321 or 461 Elem &amp; Mid School Lang Arts/Intro to Teaching Read</td>
<td>3</td>
</tr>
<tr>
<td>WRIT 350 Introduction to Composition Theory &amp; Pedagogy</td>
<td>3</td>
</tr>
</tbody>
</table>
Choose one:
ENGL 300 Approaches to Literature
ENGL 305 Shakespeare
ENGL 317 The Short Story
ENGL 330 Women and Literature
ENGL 370 Literature and Film
ENGL 518 African American Literature
ENGL 519 Adolescent Literature

Required Methods
ENGE 391 Prin of Teaching Engl in Middle & Second Schools

Social Studies
HIST 111 World Civilizations to 950
HIST 112 World Civilizations 950-1750
HIST 211 US History to 1877
HIST 212 US History since 1877
HIST 505 History of South Carolina
PLSC 201 or 202 American Govt, State & Local Govt
ECON 215 or 216 Princ of Microeconomics, Prin of Macroeconomics
GEOG 101 Human Geography

Select one from the following list:
SOC 101 Social Problems & Social Policy
SOC 201 Prin of Sociology
ANTH 201 Intro to Cultural Anthropology
ANTH 203 Intro to Language & Culture

Required Methods
SCST 391 Principles of Teaching Social Studies

Total 125

**A grade of C or better must be earned and this course cannot be taken as S/U.
~Restricted to students admitted to the Teacher Education program
**RICHARD W. RILEY COLLEGE OF EDUCATION—PHYSICAL EDUCATION/CERTIFICATION**  
**Bachelor of Science in Physical Education - Teacher Certification**

<table>
<thead>
<tr>
<th>General Education</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy 1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Critical Skills</th>
<th>15-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101, CRTW 201</td>
<td>Composition, Critical Reading, Thinking &amp; Writing 6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Quantitative Skills</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 150</td>
<td>Introduction to Discrete Mathematics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Technology</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 275</td>
<td>Integ Tech to Support Teaching &amp; Learning</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oral and Expressive Communication</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 201</td>
<td>Public Speaking</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Logic/Language/Semiotics</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 101 &amp; 3 from 101A, B, C, or P</td>
<td>Intro to Comp &amp; Info Processing</td>
</tr>
<tr>
<td>SPCH 201</td>
<td>Public Speaking</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skills for a Common Experience and Thinking Across Disciplines</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>Select from approved list, p. 16</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>May be met with HIST 211</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Developing Critical Skills and Applying Them to Disciplines</th>
<th>25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science</td>
<td>See approved list, p. 16</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>General Psychology 3</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>See approved list, p. 16</td>
</tr>
<tr>
<td>Natural Science</td>
<td>7</td>
</tr>
<tr>
<td>BIOL 307</td>
<td>Human Anatomy 4</td>
</tr>
<tr>
<td>Physical/Earth Science</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Intensive Writing</th>
<th>0-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHED 381</td>
<td>Research Methods in Physical Activity and Sports Mgmt</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Constitution Requirement</th>
<th>0-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 211 or ECON 103</td>
<td>US History to 1877, Intro to Political Economy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Physical Education Core</th>
<th>17-18</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 300</td>
<td>Personal &amp; Comm Health</td>
</tr>
<tr>
<td>PHED 242</td>
<td>Motor Learning &amp; Control</td>
</tr>
<tr>
<td>PHED 361/224</td>
<td>First Aid,CPR or Lifeguarding</td>
</tr>
<tr>
<td>PHED 381</td>
<td>Research Methods in Physical Activity and Sports Mgmt</td>
</tr>
<tr>
<td>PHED 382</td>
<td>Kinesiology 3</td>
</tr>
<tr>
<td>PHED 384</td>
<td>Exercise Physiology 3</td>
</tr>
<tr>
<td>PHED 385</td>
<td>Exercise Physiology Lab 1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Teacher Certification Sub Core</th>
<th>62</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 110</td>
<td>Teachers, Schools, &amp; Society</td>
</tr>
<tr>
<td>EDUC 210</td>
<td>Psychology of the Learner I</td>
</tr>
<tr>
<td>EDUC 250</td>
<td>Psychology of the Learner II</td>
</tr>
<tr>
<td>EDUC 275</td>
<td>Integrating Tech to Support Teach &amp; Learn</td>
</tr>
<tr>
<td>EDUC 310</td>
<td>Working with Exceptional &amp; Div Learners</td>
</tr>
<tr>
<td>EDUC 390</td>
<td>Core Issues in Teacher Ed</td>
</tr>
<tr>
<td>EDUC 475</td>
<td>Internship in Reflective Practice</td>
</tr>
<tr>
<td>EDUC 490</td>
<td>Capstone for Ed Leaders</td>
</tr>
<tr>
<td>HLTH 234</td>
<td>Strat for Teaching Health K-12 Educ</td>
</tr>
<tr>
<td>PHED 112</td>
<td>Movement Concepts</td>
</tr>
<tr>
<td>PHED 118</td>
<td>Movement Education &amp; Ed Gymnastics</td>
</tr>
<tr>
<td>PHED 150</td>
<td>Skill Themes, Concepts, Nat’l Standards</td>
</tr>
<tr>
<td>PHED 202</td>
<td>Concepts of Fitness &amp; Exercise</td>
</tr>
<tr>
<td>PHED 234</td>
<td>Teaching Invasion and Net Games</td>
</tr>
<tr>
<td>PHED 290</td>
<td>Assessment in Phys Ed</td>
</tr>
<tr>
<td>PHED 303</td>
<td>Teaching Aerobic Activity</td>
</tr>
<tr>
<td>PHED 350</td>
<td>Phys Ed &amp; Rec for Indiv With Disabilities</td>
</tr>
<tr>
<td>PHED 391</td>
<td>Prin of Teaching PE Curr &amp; Methods 6-12</td>
</tr>
<tr>
<td>PHED 394</td>
<td>Field Experience in Teaching Phys Ed</td>
</tr>
</tbody>
</table>

| Activity Credits | 6 |

<table>
<thead>
<tr>
<th>Total</th>
<th>125-128</th>
</tr>
</thead>
</table>

After 30 hours, all teacher candidates must meet the following requirements:
1. A “C” or better in PHED 112 and EDUC 110.
2. Take the PRAXIS I examination. A passing score will not be required on PRAXIS I until the teacher candidate applies for formal admission into the College of Education.
3. Achieve and Maintain the healthy zones on all components of health related fitness as measured by Fitnessgram.*
4. Demonstrate competency in selected invasion and net games as measured by a B- or better in PHED 234.*
5. Demonstrate the six fundamental movement skills at the proficiency level as measured by the South Carolina Assessment criteria.*
6. Complete an application for Continuation in the Teacher Certification program.

Before enrolling in EDUC 475 and 490, teacher candidates must:
1. Achieve a C or better in PHED 348 and 391
2. Pass Praxis II (both content and video portion).

In addition to the above requirements, all requirements must be met for initial admission to the Richard W. Riley College of Education. Teacher candidates must have successfully completed BIOL 307 before admission to Teacher Education will be granted.

*Accommodations will be made for teacher candidates with documented physical disabilities.

### Bachelor of Science in Athletic Training

<table>
<thead>
<tr>
<th>General Education</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Critical Skills</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing and Critical Thinking</td>
<td>Composition</td>
</tr>
<tr>
<td>WRIT 101</td>
<td>Critical Reading, Thinking &amp; Writing</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>Introduction to Discrete Mathematics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Quantitative Skills</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 150</td>
<td>Intro to Comp &amp; Info Processing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Technology</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 101 &amp; 3 from 101A, B, C, or P</td>
<td>Public Speaking</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oral and Expressive Communication</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 201</td>
<td>Intro to Comp &amp; Info Processing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Logic/Language/Semiotics</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 101 &amp; 3 from 101A, B, C, or P</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>SPCH 201</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skills for a Common Experience and Thinking Across Disciplines</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>Select from approved list, p. 16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Historical Perspectives</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 211</td>
<td>US History to 1877</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Developing Critical Skills and Applying Them to Disciplines</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science</td>
<td>See approved list, p. 16</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>General Psychology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Humanities and Arts</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
<td>Must have at least 2 different designators</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Natural Science</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 307</td>
<td>Human Anatomy</td>
</tr>
<tr>
<td>PHYS OR CHEM</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Intensive Writing</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHED 381</td>
<td>Research Methods in Phys Activity &amp; Sports Mgmt</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Constitution Requirement</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 211</td>
<td>US History to 1877</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Athletic Training Core</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 308</td>
<td>Human Physiology</td>
</tr>
<tr>
<td>HLTH 300</td>
<td>Personal &amp; Comm Health</td>
</tr>
<tr>
<td>NUTR 221</td>
<td>Food &amp; Nutrition</td>
</tr>
<tr>
<td>NUTR 520</td>
<td>Sports Nutrition</td>
</tr>
<tr>
<td>PHED 242</td>
<td>Motor Learning &amp; Control</td>
</tr>
<tr>
<td>PHED 267</td>
<td>Weight Training</td>
</tr>
<tr>
<td>PHED 361</td>
<td>First Aid</td>
</tr>
<tr>
<td>PHED 381</td>
<td>Research Methods in Phys Activity &amp; Sports Mgmt</td>
</tr>
<tr>
<td>PHED 382</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>PHED 384</td>
<td>Exercise Physiology</td>
</tr>
<tr>
<td>PHED 385</td>
<td>Exercise Physiology I Lab</td>
</tr>
</tbody>
</table>
ATHLETIC TRAINING ADMISSIONS CRITERIA

All students seeking to complete the Clinical Stage of the ATEP must meet all admission requirements and be formally admitted before they are allowed to enroll in the advanced clinical experience courses.

Transfer students must request a review of their transcripts. Appropriate transfer courses will be accepted if deemed equivalent by Winthrop University admissions and academic personnel. Transfer students who are admitted into the ATEP will be required to complete all of the clinical education components at Winthrop University.

Admission into the Clinical Stage of the WU-ATEP is a competitive process. Completing the application requirements does not guarantee admission into the ATEP. The ATEP is bound by accreditation standards to maintain strict ratios between athletic training students and clinical instructors and to assure that all athletic training students can meet rigorous technical standards. It is possible that a student might fulfill the application requirements and be denied admission into the WU-ATEP.

All applicants for admission into the Clinical Stage of the ATEP must meet the following requirements:

1. Complete a minimum of 30 semester hours.
2. Achieve a minimum cumulative grade point average of 2.5 for all coursework and a minimum cumulative grade point average of 2.75 for all coursework in the athletic training core.
3. Complete the following Athletic Training core courses with a grade of "B" or better in each course: ATRN 101, ATRN 151, 152, and PHED 361.
4. Complete BIOL 307 or 308 (or equivalent) — Students who do not earn a grade of "C-" or better may be given probationary status in the ATEP.
5. Complete a minimum of 75 hours of directed observation with certified Athletic Trainers. At least 25 of the hours must be done in an athletic training setting outside of Winthrop University.
6. Submit an Application for Admission to the Athletic Training Education Program to the Program Director (PD) that includes:
   a. official transcripts from all institutions of higher education attended.
   b. WU-ATEP application form.
   c. an admission essay that documents the student’s growth toward becoming an allied health professional.
   d. two letters of recommendation; one should be from a certified athletic trainer.
   e. log which documents 75 observation hours.
7. Undergo a standardized interview with the Admission Selection Committee comprised of the Program Director, Clinical Coordinator, Winthrop University Head Athletic Trainer, Winthrop University Assistant Athletic Trainer, one off-campus ACI (when available), and two current athletic training students.
Continuation in the Athletic Training Education Program
Candidates admitted into the ATEP are required to maintain a minimum overall grade point average of 2.5, a minimum grade point average of 2.75 for all coursework in the athletic training core, and must be in good standing within the University community.

Athletic Training Education Program Completion
To exit the ATEP, athletic training candidates must meet all degree requirements as well as the following requirements:
1. Successful completion of a minimum of 125 semester hours with a minimum GPA of 2.5.
2. Completion of the athletic training core with a minimum GPA of 2.75.
3. Completion of BIOL 307 and BIOL 308 (or equivalent) with a minimum grade of “C-” in each.
4. Successful completion of a competency and proficiency review by the Program Director, Clinical Coordinator, and one ACI.

Appeals
Students denied admission to the WU-ATEP and/or dismissed from the WU-ATEP may appeal to the selection committee in the following steps:
1. Submit a letter of appeal to the Program Director and the Chair of the Department of Health and Physical Education. The letter should detail how the student believes he/she has met the appropriate criteria.
2. Each appeal will be reviewed by an appeals committee comprised of the Chair of the Department of Health and Physical Education and two faculty members of the Chair’s choice.
3. Upon review of the appeal, the Appeals Committee may request input from the selection committee and the student may request an open discussion with the Appeals Committee to explain his/her position.
4. The Appeals Committee will submit a written document to the student and to the Program Director, regarding the decision on the student’s status.
5. All Appeals Committee decisions remain confidential and final.

Bachelor of Science in Exercise Science

<table>
<thead>
<tr>
<th>General Education</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Critical Skills</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201 Critical Reading, Thinking &amp; Writing</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
</tr>
<tr>
<td>MATH 105 Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Technology</td>
<td></td>
</tr>
<tr>
<td>CSCI 101 &amp; 3 from 101A, B, C, or P Intro to Comp &amp; Info Processing</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oral and Expressive Communication</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 201 Public Speaking</td>
<td>0</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
</tr>
<tr>
<td>CSCI 101&amp; 3 from 101A, B, C, or P Intro to Comp &amp; Info Processing</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 201 Public Speaking</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skills for a Common Experience and Thinking Across Disciplines</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102 The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives Select from approved list, p. 16</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Historical Perspectives</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 211 US History to 1877</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Developing Critical Skills and Applying Them to Disciplines</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science</td>
<td></td>
</tr>
<tr>
<td>PSYC 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 201 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td></td>
</tr>
<tr>
<td>Select from approved list, p. 16</td>
<td>6</td>
</tr>
<tr>
<td>Must have at least 2 different designators</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Natural Science</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 307 Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 105 General Chemistry and Lab</td>
<td>4</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td></td>
</tr>
<tr>
<td>PHED 381 Research Methods in Phys Activity &amp; Sports Mgmt</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Constitution Requirement</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 211 US History to 1877</td>
<td>0</td>
</tr>
</tbody>
</table>

| Subtotal                                                    | 45             |
All students seeking Junior level acceptance to the Exercise Science (EXSC) Program must be formally admitted before they are allowed to continue in the advanced EXSC courses or go on Internship. Transfer students will undergo a review of their transcripts. Appropriate transfer courses will be accepted if deemed equivalent by Winthrop University Admissions, College of Education, and EXSC faculty.

All applicants for admission into the EXSC Program must meet the following requirements:

1. Complete a minimum of 60 semester hours.
2. Achieve a minimum cumulative grade point average of 2.5 for all coursework and a minimum cumulative grade point average of 2.75 for all coursework in the EXSC core.
3. Complete the following EXSC Core courses with a grade of “B-” or better in each course: EXSC 101, HLTH 300, PHED 208, PHED 267.
4. Complete or enroll in BIOL 307 or BIOL 308 (or equivalent). Students who do not earn a grade of “C-” or better may be given probationary status in EXSC.
5. Complete CHEM 105 (or equivalent) with a grade of “C-” or better. Students who do not earn a grade of “C-” or better may be given probationary status in EXSC.
6. Submit an Application packet for admission to the EXSC Program to the Program Director (PD) during Fall semester Junior year that includes:
   a. official transcripts from all institutions of higher education attended.
   b. EXSC application form.
   c. an admission essay (500 words, 2 pages double spaced in Times New Roman 12 point font) that details the student’s careers goals and current progress towards these career goals.
d. two professional letters of recommendation.
7. Undergo a standardized interview with the Admission Selection Committee comprised of the Program Director, one additional EXSC faculty member, one off-campus exercise scientist or other allied health professional (when available), and two current EXSC students.

Continuation in the EXSC Program
Candidates admitted into EXSC must continue to maintain a minimum overall grade point average of 2.5, a minimum grade point average of 2.75 for all coursework in the EXSC Core, and must be in good standing within the University community. Students who fall below these levels (or who earn less than C- in BIOL 307, BIOL 308 or CHEM 105/107 or equivalent) will be placed on probation (written notification) with the opportunity to improve their GPA over one additional semester. Courses may be re-taken to improve GPA. Students who fail to maintain two consecutive semesters of these requirements will be dismissed from the program.

EXSC Program Completion
To exit EXSC, candidates must meet all degree requirements (including General Education) as well as the following requirements:
1. Successful completion of a minimum of 126 semester hours with a minimum GPA of 2.5.
2. Completion of the EXSC core with a minimum GPA of 2.75.
3. Completion of BIOL 307, BIOL 308, and CHEM 105 (or equivalent) with a minimum grade of “C-” in each.
4. Completion of a 12-credit professional internship (560 hours).

Appeals
Students denied admission to EXSC and/or dismissed from EXSC may appeal to the selection committee in the following steps:
1. Submit a letter of appeal to the Program Director and the Chair of the Department of Health and Physical Education. The letter should detail how the student believes he/she has met the appropriate criteria.
2. Each appeal will be reviewed by an appeals committee comprised of the Chair of the Department of Health and Physical Education and two faculty members of the Chair’s choice.
3. Upon review of the appeal, the Appeals Committee may request input from the selection committee and the student may request in writing an open discussion with the Appeals Committee to explain his/her position.
4. The Appeals Committee will submit a written document to the student and to the Program Director, regarding the decision on the student’s status.
5. All Appeals Committee decisions remain confidential and final.

Bachelor of Science - Sport Management

<table>
<thead>
<tr>
<th>General Education</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

Critical Skills

<table>
<thead>
<tr>
<th>Writing and Critical Thinking</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201 Critical Reading, Thinking &amp; Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Quantitative Skills</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 105 Applied Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Technology</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 101 &amp; 3 from 101A, B, C, or P Intro to Comp &amp; Info Processing</td>
<td>0</td>
</tr>
</tbody>
</table>

Oral and Expressive Communication

| SPCH 201 Public Speaking              | 0                   |

Logic/Language/Semiotics

| CSCI 101& 3 from 101A, B, C, or P Intro to Comp & Info Processing | 3                   |

| SPCH 201 Public Speaking              | 3                   |

Skills for a Common Experience and Thinking Across Disciplines

| HMXP 102 The Human Experience: Who Am I? | 3                   |

Global Perspectives

| Select from approved list, p. 16 | 3                   |

Historical Perspectives

| Select from approved list, p. 16 | 3                   |

Developing Critical Skills and Applying Them to Disciplines 22-28

Social Science

| ECON 103 Introduction to Political Economy | 3                   |
| PSYC 101 General Psychology               | 3                   |
| Elective                                  | 0-3                |

Humanities and Arts

| Must have at least 2 different designators | 6-9                |

Natural Science

| See approved list, p 16. Must have at least 2 different designators from 2 different areas. | 7                   |


All applicants into the Sport Management Program must meet the following requirements:

**Admission Criteria**
1. 2.75 overall GPA at time of application. Student must maintain 2.75 throughout his or her academic career to complete the degree.
2. Complete with a “C” or higher: SPMA 101, SPMA 235, SPMA 200, WRIT 101, HMXP 102, ACCT 280
3. Completion of 9 cultural events
4. Completion of MATH 105
5. Completion of 45 semester hours

**Admission Process**
The Application for Admission to the Sport Management Program must include the following:
1. Application Form (available online)
2. Current resume
3. One page written statement that includes professional goals, recent accomplishments, and reason for choice of major

**Traditional Students:**
Each student must submit an Application for Admission to the Sport Management Program to the Coordinator of Sport Management. Applications may be submitted during any of the following submission periods:

- **a. October 15th** (decision made by November 1st)
- **b. March 15th** (decision made by April 1st)
- **c. July 15th** (decision made by August 1st)

Students may apply to the program at any time after earning 45 credits; however, students must apply by the time they have completed 60 credits of coursework.

Students will either be: (a) fully admitted; (b) admitted conditionally (pending semester grades); or (c) denied with an opportunity to reapply after completing 15 additional credits of coursework.

Students who are fully admitted may register for upper level courses in the sport management major without restriction. Students who are admitted conditionally will undergo a subsequent grade review at the conclusion the next full semester. A student admitted conditionally will be allowed to take no more than 6 credits of sport management course during the review semester, not to include SPMA 355. Students who are denied may not take any sport management courses until receiving either full or conditional acceptance.
All students will receive a letter indicating application result. This letter will indicate that if at any point a student falls below the required grade point average, he/she will be placed on probation for one semester. If after the probationary semester, the grade point average is not satisfied, the student will be discontinued from the major for a minimum of one semester. Re-application will be granted only after the grade point average is raised. If grade point average falls below the requirement a second time, student will be permanently discontinued.

**Transfer Students:**
Each student must submit an Application for Admission to the Sport Management Program to the Coordinator of Sport Management. Transfer students entering Winthrop with 54 or more credits must apply for admission during the first application period after their start date; also, in certain circumstances, the Coordinator of Sport Management may review an application in a non-submission period. Submission periods are as follows:
- a. October 15th (decision made by November 1st)
- b. March 15th (decision made by April 1st)
- c. July 15th (decision made by August 1st)

External transfer students may use a GPA from transferring institution to meet the admission criteria. The cultural event requirement is waived for external transfer students. All other transfer students will follow the same process as traditional students.

**Bachelor of Science in Special Education (Learning/Emotional Disabilities)**

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101: Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td><strong>Critical Skills</strong></td>
<td></td>
</tr>
<tr>
<td>WRIT 101, CRTW 201: Composition; Critical Reading, Thinking, &amp; Writing</td>
<td>6</td>
</tr>
<tr>
<td><strong>Quantitative Skills</strong></td>
<td></td>
</tr>
<tr>
<td>MATH 150: Introduction to Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td><strong>Technology</strong></td>
<td></td>
</tr>
<tr>
<td>EDUC 275**: Integ Tech to Support Teaching &amp; Learning</td>
<td>0</td>
</tr>
<tr>
<td><strong>Oral Communication</strong></td>
<td></td>
</tr>
<tr>
<td>SPED 391**: Assessment</td>
<td>0</td>
</tr>
<tr>
<td><strong>Logic/Language/Semiotics</strong></td>
<td></td>
</tr>
<tr>
<td>MATH 291: Mathematics for Elementary Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 292: Geometry for Elementary Teachers</td>
<td>3</td>
</tr>
<tr>
<td><strong>Skills for Common Experience and Thinking Across Disciplines</strong></td>
<td></td>
</tr>
<tr>
<td>HMXP 102: The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
<tr>
<td><strong>Global Perspectives</strong></td>
<td></td>
</tr>
<tr>
<td>GEOG 101 or PLSC 260: Human Geog, United Nations</td>
<td>3</td>
</tr>
<tr>
<td><strong>Historical Perspectives</strong></td>
<td></td>
</tr>
<tr>
<td>HIST 211, 212 or 308: United States History or American Ethnic History</td>
<td>3</td>
</tr>
<tr>
<td><strong>Developing Critical Skills and Applying them to Disciplines</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Social Science</strong></td>
<td></td>
</tr>
<tr>
<td>ANTH 201: Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 201: Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>PSLC 201 or ECON 103: American Govt or Intro to Pol Economy</td>
<td>3</td>
</tr>
<tr>
<td><strong>Humanities and Arts</strong></td>
<td></td>
</tr>
<tr>
<td>ARTE 547~ or MUST 315~: Art for Class Teachers, Music for the Class Teacher</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Natural Science</strong></td>
<td></td>
</tr>
<tr>
<td>BIOL 150/151: Living Systems/Investigations in Living Systems</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 250/251: Earth &amp; Space Systems/Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 250/251: Matter &amp; Energy/Lab</td>
<td>4</td>
</tr>
<tr>
<td><strong>Intensive Writing</strong></td>
<td></td>
</tr>
<tr>
<td>READ 322: Language Arts Lab</td>
<td>0</td>
</tr>
<tr>
<td><strong>Professional Education Sequence</strong></td>
<td>76</td>
</tr>
<tr>
<td>EDUC 110**: Teachers, Schools &amp; Society</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 210**: Psychology of the Learner I</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 250**: Psychology of the Learner II</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 275**: Integ Tech to Support Teaching &amp; Learning</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 310~**: Working With Except &amp; Div Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 390~**: Core Issues in Teacher Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 475~: Internship in Reflective Practice</td>
<td>10</td>
</tr>
<tr>
<td>EDUC 490~: Capstone for Educational Leaders</td>
<td>2</td>
</tr>
<tr>
<td>ELEM 341~**: Teaching Social Studies in the Elem School</td>
<td>3</td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
</tr>
<tr>
<td>----------</td>
<td>------------------------------------------------------------------</td>
</tr>
<tr>
<td>ELEM 431**~</td>
<td>Teaching Science in the Elem School</td>
</tr>
<tr>
<td>ELEM 436**~</td>
<td>Teaching Math in the Elem School</td>
</tr>
<tr>
<td>PSYC 510</td>
<td>Behavior Analysis and Behavior Change</td>
</tr>
<tr>
<td>READ 321/322</td>
<td>Elem &amp; Middle School Language Arts/ Lab</td>
</tr>
<tr>
<td>READ 461**~</td>
<td>Intro to Teach Reading in the Elementary School</td>
</tr>
<tr>
<td>READ 571**~</td>
<td>Diagnostic &amp; Prescriptive Teach of Read</td>
</tr>
<tr>
<td>SPED 281*</td>
<td>Introduction to Special Education</td>
</tr>
<tr>
<td>SPED 292*</td>
<td>Lab Exp with Exceptional Children</td>
</tr>
<tr>
<td>SPED 391**~</td>
<td>Assessment</td>
</tr>
<tr>
<td>SPED 392~</td>
<td>Prin of Teaching Exceptional Children</td>
</tr>
<tr>
<td>SPED 561**~</td>
<td>Characteristics of Child with Learn Disabilities</td>
</tr>
<tr>
<td>SPED 582**~</td>
<td>Intellectual Disabilities: Characteristics and Needs</td>
</tr>
<tr>
<td>SPED 583**~</td>
<td>Child with Emot/Behav Problems</td>
</tr>
<tr>
<td>SPED 585**~</td>
<td>Intro Acad &amp; Behavioral Meth in ED, LD, MD &amp; SD</td>
</tr>
<tr>
<td>SPED 586**~</td>
<td>Advanced Academic &amp; Behavioral Methods in ED, LD</td>
</tr>
</tbody>
</table>

**Total 128**

*Special Education students must earn a grade of C or better.

**A grade of C or better must be earned and this course cannot be taken as S/U

~Restricted to students admitted to the Teacher Education program
### Bachelor of Science in Special Education (Mental/Severe Disabilities)

#### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy 1</td>
</tr>
</tbody>
</table>

#### Critical Skills

**Writing and Critical Thinking**
- WRIT 101, CRTW 201: Composition, Crit Reading, Thinking & Writing 6

**Quantitative Skills**
- MATH 150: Introduction to Discrete Mathematics 3

**Technology**
- EDUC 275**: Integ Tech to Support Teaching & Learning 0

**Oral Communication**
- SPED 391**: Assessment 0

**Logic/Language/Semiotics**
- MATH 291: Mathematics for Elementary Teachers 3
- MATH 292: Geometry for Elementary Teachers 3

#### Skills for Common Experience and Thinking Across Disciplines

- GEOG 101 or PLSC 260: Human Geog, United Nations 3
- HIST 211, 212 or 308: United States History or American Ethnic History 3

#### Developing Critical Skills and Applying them to Disciplines

**Social Science**
- ANTH 201: Cultural Anthropology 3
- SOC 201: Principles of Sociology 3
- PSLC 201 or ECON 103: American Govt or Intro to Pol Economy 3

**Humanities and Arts**
- ARTE 547~ or MUST 315~: Art for Class Teachers or Music for the Class Teacher 3
- Elective 3

**Natural Science**
- BIOL 150/151: Living Systems/Investigations in Living Systems 4
- GEOL 250/251: Earth & Space Systems/Lab 4
- PHYS 250/251: Matter & Energy/Lab 4

**Intensive Writing**
- READ 322: Language Arts Lab 0

#### Professional Education Sequence

- EDUC 110**: Teachers, Schools & Society 3
- EDUC 210**: Psychology of the Learner I 3
- EDUC 250**: Psychology of the Learner II 3
- EDUC 275**: Integ Tech to Support Teaching & Learning 2
- EDUC 310~**: Working With Except & Div Learners 3
- EDUC 390~**: Core Issues in Teacher Education 3
- EDUC 475~**: Internship in Reflective Practice 10
- EDUC 490~: Capstone for Educational Leaders 2
- ELEM 341~**: Teaching Social Studies In Elementary School 3
- ELEM 431~**: Teaching Science in Elementary School 3
- ELEM 436~**: Teaching Math in the Elementary School 3
- PSYC 510: Behavior Analysis and Behavior Change 3
- READ 321/322: Elementary School Language Arts/Lab 4
- READ 461~**: Intro to Teach Reading in the Elementary School 3
- READ 571~**: Diagnostic & Prescriptive Teach of Read 3
- SPED 281*: Introduction to Special Education 3
- SPED 293*: Lab Exp with Learners with Autism Spectrum Disorders 3
- SPED 391~*: Assessment 3
- SPED 392~: Prin of Teaching Except Children 1
- SPED 515**: Consultation & Collaboration in Special and Gen Educ 3
- SPED 575~**: Educational Procedures for Students with MD & SD 3
- SPED 582~**: Intellectual Disabilities: Characteristics and Needs 3
- SPED 583~**: Child with Emot/Behav Problems 3
- SPED 585~**: Intro Acad & Behavioral Meth in ED, LD, MD & SD 3

#### Total
- 128

---

*Special Education students must earn a grade of C or better.

**A grade of C or better must be earned and this course cannot be taken as S/U

~Restricted to students admitted to the Teacher Education program
### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
</tbody>
</table>

### Critical Skills

**Writing and Critical Thinking**
- WRIT 101, CRTW 201 | Composition, Crit Reading, Thinking & Writing | 6 |

**Quantitative Skills**
- MATH 150 | Introduction to Discrete Mathematics | 3 |

**Technology**
- CSCI 101 | 3 |

**Oral Communication**
- See approved list, p. 16 | 3 |

**Logic/Language/Semiotics**
- MATH elective | 3 |

**Elective**
- See approved list, p. 16 | 3 |

### Skills for Common Experience and Thinking Across Disciplines

**Global Perspectives**
- See approved list, p. 16 | 3 |

**Historical Perspectives**
- See approved list, p. 16 | 3 |

### Developing Critical Skills and Applying them to Disciplines

#### Social Science
- PSYC 101 | General Psychology | 3 |
- SOCL 101 or 201 | Soc Problems, Prin of Soc | 3 |
- PSLC 201 or ECON 103 | American Govt or Intro to Pol Econ | 3 |

#### Humanities and Arts
- See approved list, p. 16 | 3 |
- ENGL 211 or 330 | Major Am Authors, Women & Lit | 3 |

#### Natural Science
- See approved list, p. 16 | 3 |

#### Intensive Writing
- See approved list, p. 16 | 3 |

### Professional Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACS 211</td>
<td>Apparel Design and Construction</td>
<td>3</td>
</tr>
<tr>
<td>FACS 340</td>
<td>Cooperative Internship Experience</td>
<td>3</td>
</tr>
<tr>
<td>FACS 381</td>
<td>Textiles</td>
<td>3</td>
</tr>
<tr>
<td>FACS 401</td>
<td>Consumer Economics</td>
<td>3</td>
</tr>
<tr>
<td>FACS 500</td>
<td>Contemp Issues: Professional &amp; Family Living</td>
<td>3</td>
</tr>
<tr>
<td>FACS 501</td>
<td>Residential Technology</td>
<td>3</td>
</tr>
<tr>
<td>FACS 502</td>
<td>Family Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 331</td>
<td>Community Connections for Families</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 221</td>
<td>Food and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 231</td>
<td>Food Composition</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 232</td>
<td>Food Composition Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>HLTH 506</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>SOCL 305</td>
<td>Marriage and Family</td>
<td>3</td>
</tr>
</tbody>
</table>

### Specialization or Minor

- **Youth Issues** | 18 |
- SOCL 101 or 201 | Social Problems, Principles of Sociology | 3 |
- SOCL 314 | Race and Ethnic Relations | 3 |
- SCED 573 | Career Education | 3 |
- SOCL 227 | Criminal & Juvenile Justice System | 3 |
- HLTH 300 | Personal & Community Health | 3 |
- HLTH 501 | Substance Abuse Education | 3 |

**Total** | 124 |
All applicants or students transferring to the Family and Consumer Sciences Program must meet the following requirements to be admitted to the program:

1. Complete one semester of academic work at Winthrop (no less than 12 hours and no Family and Consumer Sciences courses are allowed in the initial 12 hours), and achieve a minimum cumulative grade point average of 2.25 for all coursework.
2. Select a specialization—Youth Issues, Business/Media, or Early Intervention, or minor in one of the following—Health, Human Resource Management, Nutrition, or Gerontology.

Additional Requirements:
1. Students must meet all University requirements and earn a cumulative grade point average of 2.25 or greater in order to graduate.
2. The following courses are restricted to Family and Consumer Sciences majors in good standing (a 2.25 minimum cumulative grade point average): FACS 211, FACS 340, FACS 381, FACS 401, FACS 501, FACS 500, and FACS 502.
3. Students must complete the Professional Courses with a grade of “C” or better in each course: FACS 211, FACS 381, FACS 401, FACS 500, FACS 501, FACS 502, EDCI 331, NUTR 221, NUTR 231, NUTR 232, HLTH 506, SOCL 305.
4. Complete a minimum of 40 hours of courses numbered above 299. In order to meet this University requirement, students may have to take courses above 299 as their electives.
The College of Visual and Performing Arts

The College of Visual and Performing Arts provides professional programs for students preparing for careers in the arts and contributes to the arts education of all Winthrop University students.

The College of Visual and Performing Arts is one of only twenty university arts programs in the nation fully accredited in all of the arts domains. The College draws on the extensive resources of the University and the Charlotte region of the Carolinas to provide an outstanding milieu conducive to the development of arts professionals. Our students have transformative and inspiring experiences in a first-class environment that includes advanced technology laboratories in all the arts, contemporary dance studios, traditional and experimental theatre spaces, an unparalleled music conservatory, and studios in the diverse disciplines of the visual arts. The arts degree programs combine the best of the time-honored academy traditions and the most current and prescient ideas in the arts with the liberal arts education of a comprehensive university.

All professional programs have strong general education components designed to strengthen student understanding of the relationship of the arts to the broader contexts of history and culture as well as the social and physical sciences. Programs of the College of Visual and Performing Arts serve to enrich the cultural opportunities for all Winthrop University students and the citizens of the Charlotte region of South Carolina and North Carolina.

The College has four departments: Fine Arts, Design, Music, and Theatre and Dance. Each department offers students a wide variety of major concentrations as well as minor programs for those students with primary interests in disciplines outside of the College. The College of Visual and Performing Arts offers the following majors (these are described in detail under the departmental headings):

- **Bachelor of Arts Degree**: art, art education, art history, dance, dance education, music, theatre (performance and design/technical theatre), and theatre education
- **Bachelor of Fine Arts Degree**: art (ceramics, general studio, interior design, jewelry/metals, painting, photography, printmaking, sculpture, and visual communication design)
- **Bachelor of Music Degree**: performance
- **Bachelor of Music Education Degree**: choral certification (K-12), instrumental certification (K-12)

**Graduate Degree Programs:**
- **Master of Arts**: art education, arts administration
- **Master of Fine Arts**: general studio, crafts, painting, and sculpture including jewelry/metals
- **Master of Music**: conducting (wind and choral), performance
- **Master of Music Education**
- **Master of Arts in Teaching**: initial certification in music and art through the College of Education

**The ABC Project**

The Arts in Basic Curriculum (ABC) Project is a statewide collaborative initiative begun in 1987, whose goal is to ensure that every child in South Carolina, from pre-school through college levels, has access to a quality, comprehensive education in the arts, including dance, theatre, music, visual arts, and creative writing. Cooperatively directed by the South Carolina Arts Commission, the South Carolina Department of Education, and the College of Visual and Performing Arts at Winthrop University, the ABC Project has developed collaborative efforts leading to a certification program for dance teachers, establishment of the South Carolina Center for Dance Educational at Columbia College, development of South Carolina Visual and Performing Arts Framework, and the South Carolina Visual and Performing Arts Curriculum Standards. The project “blueprint” for arts education outlines a curriculum to be taught by qualified arts teachers and reinforced by other subject area teachers, administrators, professional artists, arts organizations, and community resources; provides a forum for the development of strategic arts initiatives; and serves as the foundation for a broad advocacy coalition for arts education reform in South Carolina.

**The Office of Special Projects**

Each semester, the College of Visual and Performing Arts offers a new season of artistic experiences at Winthrop University with programs of performances, exhibitions, forums, and events for adults, young people, and families rich with innovation, experimentation, and enlivening entertainment. Students are welcome to audition for a selection of performances in music and theatre and dance.

The role of the Office of Special Projects is to act as a link between the College and the community while assisting the promotion of events. The office provides the community with several outreach projects and thematic programs that provide students and the community with opportunities of varying natures.

**Academic Advising**

Academic advising is an integral part of the learning process in the College of Visual and Performing Arts. The role of the academic adviser is to assist the student in making appropriate decisions about academic programs and career goals, provide academic information about Winthrop University and degree programs, and suggest appropriate involvement in on-campus, off-campus, and experiential opportunities.
Freshmen are assigned an adviser during their first semester. Students have a responsibility to schedule regular appointments with the faculty advisor.

The Student Services Coordinator of the College of Visual and Performing Arts facilitates the advisement activities for undergraduate students:

Ms. Kim R. Wright  
Student Services Coordinator  
College of Visual and Performing Arts  
126 McLaurin Hall  
803/323-2465  
wrightk@winthrop.edu

FINE ARTS

Faculty

Professors
James D. Connell  
Laura J. Dufresne  
Phil J. Moody

Associate Professors
Alice R. Burmeister  
Shaun Cassidy  
Mike Lavine  
Mark Hamilton  
Paul C. Martyka  
Marge Moody  
Seymour Simmons III  
Tom Stanley, Chair

Assistant Professors
Laura Gardner  
Courtney Starrett  
Karen Stock  
Seth Rouser

Lecturers
Kathleen Burke  
Brian Davis  
Kathryn Gantt  
Mike Goetz  
Roseanne Koellner  
Doug McBee  
Andy McMillan  
Karen Olson  
Sandy Queen  
Greg Schauble  
Jim Stratakos  
Alf Ward

Instructor
Karen Derksen  
Clara Paulino Kulmacz  
Janice Mueller

Mission
The Department of Fine Arts prepares students to become professionals in the fields of studio art, art history, and art education. Combining practical experience, lecture and research skills, students build a foundation for a lifetime of creative and intellectual inquiry, personal growth and civic responsibility.

Introduction
The Department of Fine Arts offers both the Bachelor of Arts degree in art, art history, and art with teacher certification, as well as the professional Bachelor of Fine Arts degree with concentrations in seven areas. In addition, the department offers the Master of Fine Arts degree and the Master of Arts degree in art education.

Winthrop University is an accredited institutional member of the National Association of Schools of Art and Design (NASAD). Administrative and faculty offices and studios, the Edmund D. Lewandowski Student Gallery, and graduate student studios are located in McLaurin Hall. The Rutledge and Elizabeth Dunlap Patrick galleries and lecture and studio classes are located in Rutledge Building, with a few, limited number of classes in McLaurin Hall.

Fine Arts Scholarships and Awards
The Department of Fine Arts offers scholarships to incoming freshmen and transfer students who plan to major in fine arts. Scholarships are available in visual arts, art history, and art with teacher certification. These awards are based upon a review of student work as an indication of artistic and academic ability. Most incoming scholarship awards are given through participation in the Portfolio Day Competition generally held in early November of each year. Most scholarships qualify students for an out-of-state tuition waiver during the semester(s) of the award.

Minor in Art or Art History
The Department of Fine Arts offers minors in art and art history, primarily for students who are working toward a baccalaureate degree in a program other than fine arts. For the specific requirements of the minors from the Department of Fine Arts, see the section on minors.
Bachelor of Arts in Art

The Bachelor of Arts in Art degree offers a student the firm foundation in studio and art history coursework that may lead to advanced study in arts programs in academic or secular professions.

Foundation Review Requirements: A review of student proficiency for acceptance in the Department of Fine Arts is required of all Department of Fine Arts majors, including BA-Art, BA-Art History, BA-Art Education with Teacher Certification, and all BFA concentrations. All must enroll in the Foundation Review (ARTT 200) prior to enrollment in ARTS courses numbered 221 and above or ARTH courses numbered above 176.

<table>
<thead>
<tr>
<th>General Education</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td>Critical Skills</td>
<td>15-21</td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201 Critical Reading, Thinking &amp; Writing</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
</tr>
<tr>
<td>MATH 150 Intro to Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Technology</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td>0-6*</td>
</tr>
<tr>
<td>Skills for Common Experiences and Thinking Across Disciplines</td>
<td>3-9</td>
</tr>
<tr>
<td>HMXP 102 The Human Experience: Who am I?</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>0-3</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>0-3</td>
</tr>
<tr>
<td>Developing Critical Skills and Applying them to Disciplines</td>
<td>19-28</td>
</tr>
<tr>
<td>Constitution Requirement</td>
<td></td>
</tr>
<tr>
<td>See approved list, 16; PLSC 201 or ECON 103 apply to Social Science requirement</td>
<td>0-3</td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
</tr>
<tr>
<td>See approved list, 16; 2 designators must be represented</td>
<td>6</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td></td>
</tr>
<tr>
<td>See approved list, 16; 2 designators must be represented and one must be a non-CVPA &amp; the other may be met with approved GenEd courses in the Major</td>
<td>3-9</td>
</tr>
<tr>
<td>Natural Science</td>
<td></td>
</tr>
<tr>
<td>See approved list, 16; must include one lab science</td>
<td>7</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td>3</td>
</tr>
<tr>
<td>Required Courses in Major</td>
<td>43-49</td>
</tr>
<tr>
<td>ARTT 112 Introduction to Fine Arts</td>
<td>2</td>
</tr>
<tr>
<td>ARTT 113 Introduction to Fine Arts Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 101 Two-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 102 Three-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 120 Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 201 Two-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 202 Three-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 220 Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 175 Intro to Art Hist Prehistory-Middle Ages</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTH 176 Intro to Art Hist Renaissance-Present</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 200 Foundation Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS Electives Any ARTS course (with satisfaction of any prerequisites and other conditions)</td>
<td>18</td>
</tr>
<tr>
<td>ARTH Electives Any ARTH course (with satisfaction of any prerequisites and other conditions)</td>
<td>6</td>
</tr>
<tr>
<td>Electives Must include a minor</td>
<td>30-36</td>
</tr>
<tr>
<td>Total 124</td>
<td></td>
</tr>
</tbody>
</table>

*Hours may be covered in Technology and Oral Communication only if an applicable CSCI course and SPCH 201 are selected. Also, students completing the BA required program in art must demonstrate proficiency in a foreign language at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized proficiency exam or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite.

NOTE: No more than 36 hours in any one subject (or course designator) may apply to the BA degree.
Bachelor of Arts in Art History

The Bachelor of Arts degree in art history offers a student the opportunity to obtain strong academic training that will lead to graduate study in art history or to employment in a visual arts field.

Foundation Review Requirements: A review of student proficiency for acceptance in the Department of Fine Arts is required of all Department of Fine Arts majors, including BA-Art, BA-Art History, BA-Art Education with Teacher Certification, and all BFA concentrations. All must enroll in the Foundation Review (ARTT 200) prior to enrollment in ARTS courses numbered 221 and above or ARTH courses numbered above 176.

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td>Critical Skills</td>
<td>15</td>
</tr>
<tr>
<td>WRIT 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201 Critical Reading, Thinking &amp; Writing</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
</tr>
<tr>
<td>MATH 150 Intro to Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Technology</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16</td>
<td>3</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16</td>
<td>0*</td>
</tr>
<tr>
<td>Skills for Common Experience And Thinking Across Disciplines</td>
<td>3-9</td>
</tr>
<tr>
<td>HMXP 102 The Human Experience: Who am I?</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; may be met with ARTH 175</td>
<td>0-3</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; may be met with ARTH 176</td>
<td>0-3</td>
</tr>
<tr>
<td>Developing Critical Skills and Applying them to Disciplines</td>
<td>16-25</td>
</tr>
<tr>
<td>Constitution Requirement</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; PLSC 201 or ECON 103 apply to Social Science requirement</td>
<td>0-3</td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; 2 designators must be represented</td>
<td>6</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td></td>
</tr>
<tr>
<td>HIST 111, 112 or 113 World Civ to 950, World Civ from 950-1750, or World Civ Since 1750</td>
<td>3</td>
</tr>
<tr>
<td>See approved list, p. 16; must include designator other than HIST and may be chosen from courses in the Major</td>
<td>0-6</td>
</tr>
<tr>
<td>Natural Science</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; must include one lab science</td>
<td>7</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16</td>
<td>0*</td>
</tr>
<tr>
<td>Required Courses in Major</td>
<td>54-72</td>
</tr>
<tr>
<td>ARTT 112 Introduction to Fine Arts</td>
<td>2</td>
</tr>
<tr>
<td>ARTT 200 Foundation Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 101 Two-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 175 Intro to Art Hist Prehistory-Middle Ages</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTH 176 Intro to Art Hist Renaissance-Present</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTH 451 Art History Methods</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 454 Contemporary Art &amp; Criticism</td>
<td>3</td>
</tr>
<tr>
<td>6 hours of any Non-Western ARTH courses listed below</td>
<td>6</td>
</tr>
<tr>
<td>Select five courses from:</td>
<td>15</td>
</tr>
<tr>
<td>ARTH 340 Cooperative Education</td>
<td></td>
</tr>
<tr>
<td>ARTH 341 Art of Ancient Greece and Rome</td>
<td></td>
</tr>
<tr>
<td>ARTH 342 Early Medieval Art</td>
<td></td>
</tr>
<tr>
<td>ARTH 343 High and Late Medieval Art</td>
<td></td>
</tr>
<tr>
<td>ARTH 344 Italian Renaissance Art</td>
<td></td>
</tr>
<tr>
<td>ARTH 345 Northern European Renaissance Art</td>
<td></td>
</tr>
<tr>
<td>ARTH 346 Baroque and Rococo Art</td>
<td></td>
</tr>
<tr>
<td>ARTH 347 Neoclassicism and Romantic Art</td>
<td></td>
</tr>
<tr>
<td>ARTH 348 Modernism</td>
<td></td>
</tr>
<tr>
<td>ARTH 349 History of Graphic Design</td>
<td></td>
</tr>
<tr>
<td>ARTH 350 History of Photography</td>
<td></td>
</tr>
<tr>
<td>ARTH 351 Arts of Africa</td>
<td></td>
</tr>
<tr>
<td>ARTH 352 Arts of the Americas</td>
<td></td>
</tr>
<tr>
<td>ARTH 353 Arts of Oceania</td>
<td></td>
</tr>
<tr>
<td>ARTH 354 Arts of India</td>
<td></td>
</tr>
<tr>
<td>ARTH 355 Arts of China</td>
<td></td>
</tr>
<tr>
<td>ARTH 356 Arts of Japan</td>
<td></td>
</tr>
<tr>
<td>ARTH 450 Honors Special Topics</td>
<td></td>
</tr>
</tbody>
</table>
COLLEGE OF VISUAL & PERFORMING ARTS—ART CERTIFICATION

ARTH 452, 480, 481, 482, 483, 484, 485
Women in Art
Art of the Book
Special Topics in Art History
Special Topics in Non-Western Art
Select one course from:
ARTH 450
Women in Art Special Topics
ARTH 452
ARTH 453
ARTH 480, 481, 482, 483, 484, 485
Select two courses from:
HIST 111 World Civilizations to 950 0-3**
HIST 112 World Civilizations from 950-1750 0-3**
HIST 113 World Civilizations since 1750 0-3**
HIST 211 United States History to 1877 3
HIST 212 United States History since 1877 3
Select one set of courses from:
FREN 101 Elementary French 4
FREN 102 Elementary French 4
FREN 201 Intermediate French 3
OR
GERM 101 Elementary German 4
GERM 102 Elementary German 4
GERM 201 Intermediate German 3
OR
SPAN 101 Elementary Spanish 4
SPAN 102 Elementary Spanish 4
SPAN 201 Intermediate Spanish 3
Electives Any appropriate courses 12
NOTE: Any two courses in the Major, which are not being used to fulfill other GenEd requirements, may count in GenEd: Humanities & Arts, if listed as Approved GenEd courses. 0-6
Electives Must include a minor 17-20
Total 124

Bachelor of Arts in Art – Certification as Art Teacher (K-12)

The Bachelor of Arts degree in Art with Certification as an Art Teacher prepares the student for teaching in the K-12 art classroom. Licensure is through the State of South Carolina.

Foundation Review Requirements: A review of student proficiency for acceptance in the Department of Fine Arts is required of all Department of Fine Arts majors, including BA-Art, BA-Art History, BA-Art Education with Teacher Certification, and all BFA concentrations. All must enroll in the Foundation Review (ARTT 200) prior to enrollment in ARTS courses numbered 221 and above or ARTH courses numbered above 176.

General Education Courses  
ACAD 101 Principles of the Learning Academy 1
Critical Skills  
Writing and Critical Thinking  
WRIT 101 Composition 3
CRTC 201 Critical Reading, Thinking & Writing 3
Quantitative Skills  
MATH 150 Introduction to Discrete Mathematics 3
Technology  
EDUC 275 Integrating Tech to Support Teaching and Learning 0*
Oral Communication  
ARTE 391 Principles of Teaching Art 0*
Logic/Language/Semiotics  
See approved list, p. 16 1-6
Skills for Common Experience and Thinking Across Disciplines  
HMXP 102 The Human Experience: Who am I? 3
Global Perspectives  
See approved list, p. 16; may be met with ARTH 175 0-3
Historical Perspectives  
See approved list, p. 16; may be met with ARTH 176 0-3
Developing Critical Skills and Applying them to Disciplines  
Constitution Requirement
PLSC 201 or ECON 103 Amer Government or Intro to Political Economy 3

Social Science
See approved list, p. 16; cannot use course with same designator used for Constitution Requirement 3

Humanities and Arts
See approved list, p. 16; 2 designators required & one must be non-CVPA. Other may be met with ARTS 120 & 220, or ARTS 121, or any 2 other GenEd approved courses in the Major 3-9

Natural Science
See approved list, p. 16; must include one lab science 7

Intensive Writing
See approved list, p. 16 0*

Required Courses in Major
ARTT 112 Introduction to Fine Arts 2
ARTT 113 Introduction to Fine Arts portfolio 1
ARTS 101 Two-Dimensional Design I 3
ARTS 102 Three-Dimensional Design I 3
ARTS 120 Drawing I 0-3
ARTS 201 Two-Dimensional Design II 3
ARTS 202 Three-Dimensional Design II 3
ARTS 220 Drawing II, or Figure Drawing 0-3
VCOM 261 or ARTS 281 Introduction to Computer Imaging 3
ARTS 332 or ARTS 355 Sculpture I or Jewelry and Metals I 3
ARTS 335 or ARTS 336 or Printmaking: Serigraphy/Screen Processes or ARTS 337 or ARTS 370 Printmaking: Relief or Printmaking: Intaglio Printing or Basic Photography (Small Format) 3
ARTS 342 Painting I 3
ARTS 351 or ARTS 355 Ceramics I or Jewelry and Metals I 3
ARTS, INDS, VCOM, or ARTH Electives Any appropriate courses in one designator 6
ARTT 300 Specialization Portfolio Review 0
ARTH 175 Intro to Art Hist Prehistory-Middle Ages 0-3
ARTH 176 Intro to Art Hist Renaissance-Present 0-3
ARTH Non-Western Elective Any non-Western ARTH course 3
ARTH 348 Modernism 3
ARTH 454 Contemporary Art and Criticism 3
ARTE 348 Introduction to Art Education 3
ARTE 391 Principles of Teaching Art 3
ARTE 528 Foundations for Art Education 3
ARTE 548 Curriculum Development in Art Ed 3
ARTE 592 Field Experiences in Teaching Art 1

Professional Education Sequence
EDUC 110** Teachers, Schools & Society 3
EDUC 210** Psychology of the Learner I 3
EDUC 250** Psychology of the Learner II 3
EDUC 275** Integrating Tech to Support Teach and Learning 2
EDUC 310** Working With Except and Diverse Learners 3
EDUC 390** Core Issues in Teacher Education 3
EDUC 475 Internship in Reflective Practice 10
EDUC 490 Capstone for Educational Leaders 2

Electives 0-5
Total 132-134

*Hours counted in Major Requirements.
**Must earn a C or better

NOTE: Students completing the BA required program in art education must demonstrate a foreign language proficiency at or above the second semester college level. This requirement may be met by a satisfactory score on a recognized proficiency exam or by passing any foreign language course numbered 102 or any course with 102 as a prerequisite. The total hours in the degree will vary from 132 to 134 depending on the credit hours required to meet foreign language requirements. No more than 36 hours in any one subject (or course designator) may apply to the BA degree.
Bachelor of Fine Arts

The Bachelor of Fine Arts degree is a professional degree designed for students who wish to pursue the visual arts as a profession or for the student wishing to pursue graduate study. Students seeking teacher certification in addition to the BFA degree should declare this intent to the department by the first semester of the sophomore year. Areas of concentration include (1) ceramics, (2) general studio, (3) painting, (4) photography (consisting of a fine art track and a commercial track), (5) printmaking, (6) sculpture, and (7) jewelry and metals.

Students may take courses in any concentration prior to being admitted to the concentration. Students may not register for ARTS courses above ARTS 375 without passage of the specialization portfolio review.

Entering students who display exceptional ability, evident in a portfolio of work reviewed by a faculty committee, may proceed to ARTS 200-level course(s). The faculty committee will determine whether any courses may be exempted. Students will take replacement ARTS Elective course(s) to fulfill the required hours in the major.

The student must maintain a cumulative grade-point average of 2.00 or better in courses taken at Winthrop. A minimum grade of “C” (2.0) is required for all ARTS, ARTH, and ARTT courses in the Bachelor of Fine Arts degree. ARTS, ARTH, and ARTT courses in which the grade of C- (1.67) or lower is earned must be repeated to achieve the grade of C (2.0) or better. The student must complete a minimum of 21 semester hours of ARTS courses in residence at Winthrop University.

Within the hours required for this degree, the student must include a minimum of 40 semester hours in courses numbered above 299 and must complete PLSC 201 or ECON 103.

Foundation Portfolio Review

Foundation Review Requirements: A review of student proficiency for acceptance in the Department of Fine Arts is required of all Department of Fine Arts majors, including BA-Art, BA-Art History, BA-Art Education with Teacher Certification, and all BFA concentrations. All must enroll in the Foundation Review (ARTT 200) prior to enrollment in ARTS courses numbered 221 and above or ARTH courses numbered above 176.

Specialization Portfolio Review

The Specialization Portfolio Review is designed to measure the suitability of BFA students for advanced-level studio courses. Students enrolled in the BFA program must select a studio concentration in Fine Arts and make application for admittance to that area usually during the second semester of their sophomore year. For formal admission into the junior year BFA professional programs, a student must have met the following criteria: (1) completion of the recommended lower level curriculum requirements, having earned not less than a 2.5 grade point ratio in ARTS and ARTH courses completed, (2) approval of portfolios by the Departmental Portfolio Review Committees, and (3) passage of Specialization Portfolio Review.

In general, the Specialization Portfolio Review will measure anticipated success in the discipline by looking for signs of independence, thoroughness of research and discipline, and transfer of skills and knowledge. While students may have been successful in earning grades in previous course work by meeting minimum standards, completing work on time, and participating in class activities, it should be realized that the Specialization Portfolio Review is based on the assessment of the work in the portfolio alone.

Specialization Portfolio Review will take place in April of the Sophomore-level year and in August and January just prior to the beginning of the fall and spring semesters. The student is responsible for obtaining the Specialization Portfolio Review application packet and attending the mandatory meeting as posted by the departmental office. Passage of the Specialization Portfolio Review allows the student to enroll in studio courses above the number ARTS 375. After passage, a student may not change a BFA concentration without passing a Specialization Portfolio Review in the new concentration of choice. Non-BFA students above the sophomore level may not change into the BFA program without permission of the department chair. Students should communicate with the departmental office for more information.

Transfer Students

In order to comply with NASAD (National Association of Schools of Art and Design) standards, the Department of Fine Arts policy includes a portfolio review of art work produced in studio courses at other schools. This is required of all transfer students who wish to receive studio credit for similar courses. The purpose of a transfer portfolio review is to determine the proper level of placement into the degree program of choice, and the review is conducted by a faculty committee at the start of the student’s initial semester.

Note: For BA and BFA majors and Art minors, all ARTS studio courses (3:7) numbered above 375 have a prerequisite of junior status and the successful completion of the specialization portfolio review or permission of the Chair of the Department of Fine Arts.
**General Education for BFA in Art with concentrations in General Studio, Ceramics, Painting, Photography (Commercial and Fine Arts tracks), Printmaking, Sculpture, and Jewelry and Metals**

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td><strong>Critical Skills</strong></td>
<td></td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101 &amp; CRTW 201 Composition, Crit Reading, Thinking &amp; Writing</td>
<td>6</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
</tr>
<tr>
<td>MATH 150 Intro to Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16</td>
<td>0-6*</td>
</tr>
<tr>
<td>Technology</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16;</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 281 Computer Imaging in Design</td>
<td></td>
</tr>
<tr>
<td><strong>Oral Communication</strong></td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16</td>
<td>3</td>
</tr>
<tr>
<td><strong>Skills for a Common Experience and Thinking Across Disciplines</strong></td>
<td>3-9</td>
</tr>
<tr>
<td>HMXP 102 The Human Experience</td>
<td>3</td>
</tr>
<tr>
<td><strong>Global Perspectives</strong></td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; may be met with ARTH 175.</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>Historical Perspectives</strong></td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; may be met with ARTH 176.</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>Developing Critical Skills and Applying them to Disciplines</strong></td>
<td>16-22</td>
</tr>
<tr>
<td>Constitution requirement</td>
<td></td>
</tr>
<tr>
<td>ECON 103 or PLSC 201 Intro to Pol Econ or American Govt</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; cannot use course with</td>
<td>3</td>
</tr>
<tr>
<td>the same designator as Constitution requirement</td>
<td></td>
</tr>
<tr>
<td>Humanities and Arts (2 designators)</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; must have one course outside</td>
<td>3-9</td>
</tr>
<tr>
<td>CVPA and other may be met with ARTS 120 &amp; 220,</td>
<td></td>
</tr>
<tr>
<td>or any other 2 Gen Ed approved courses in the major.</td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; must include one lab science.</td>
<td>7</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16</td>
<td>0**</td>
</tr>
</tbody>
</table>

*Hours may be covered in Technology and Oral Communication only if applicable CSCI courses and SPCH 201 are selected.

**Hours may be counted in Major requirements.

**Bachelor of Fine Arts in Art with a concentration in General Studio**

<table>
<thead>
<tr>
<th>General Education, see above</th>
<th>35-53</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Courses</strong></td>
<td>76-88</td>
</tr>
<tr>
<td>ARTT 112 Introduction to Fine Arts</td>
<td>2</td>
</tr>
<tr>
<td>ARTT 113 Introduction to Fine Arts Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 101 Two-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 102 Three-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 120 Drawing I</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTS 121 Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 201 Two-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 202 Three-Dimensional Design II</td>
<td></td>
</tr>
<tr>
<td>ARTS 220 Drawing II</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 200 Foundation Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 342 Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 336, 337, or 370 Printmaking: Relief; Printmaking: Intaglio Printing, or Basic Photography (Small Format)</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 332, 351, or 355 Sculpture I, Ceramics I, or Jewelry &amp; Metals I</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 175 Intro to Art Hist from Prehist-the Middle Ages</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTH 176 Intro to Art Hist from Renaissance-Present</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 300 Specialization Portfolio Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS Emphasis A</td>
<td>15</td>
</tr>
<tr>
<td>ARTS Emphasis B</td>
<td>15</td>
</tr>
<tr>
<td>(For Emphases A &amp; B, select a subject area for each from ceramics, drawing, jewelry &amp; metals, painting, photography, printmaking, sculpture.)</td>
<td></td>
</tr>
<tr>
<td>ARTS Electives Any appropriate courses</td>
<td>6</td>
</tr>
<tr>
<td>ARTH 348 Modernism</td>
<td>3</td>
</tr>
<tr>
<td>ARTH Elective Any appropriate course</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 454 Contemporary Art and Criticism</td>
<td>3</td>
</tr>
<tr>
<td>ARTT 498 Survival Guide for Artists</td>
<td>3</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>0-6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>128</td>
</tr>
</tbody>
</table>
General Education Courses, see page 107  
Required Courses in Major  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTT 112</td>
<td>Introduction to Fine Arts</td>
<td>2</td>
</tr>
<tr>
<td>ARTT 113</td>
<td>Introduction to Fine Arts Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 101</td>
<td>Two-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 102</td>
<td>Three-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 120</td>
<td>Drawing I</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTS 121</td>
<td>Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 201</td>
<td>Two-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 202</td>
<td>Three-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 220</td>
<td>Drawing II</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 200</td>
<td>Foundation Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 351</td>
<td>Ceramics I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 352</td>
<td>Ceramics II</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 175</td>
<td>Intro Art Hist Prehistory-Middle Ages</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTH 176</td>
<td>Intro to Art Hist Renaissance-Present</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 300</td>
<td>Specialization Portfolio Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 370</td>
<td>Basic Photography (Small Format)</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 451</td>
<td>Ceramics III</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 452</td>
<td>Ceramics IV</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 482, 483</td>
<td>Special Topics in Art (ceramics)</td>
<td><em>6</em>**</td>
</tr>
<tr>
<td>ARTS 551</td>
<td>Ceramics V</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 552</td>
<td>Ceramics VI</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 584, 585</td>
<td>Special Topics in Art (ceramics)</td>
<td><em>6</em>**</td>
</tr>
<tr>
<td>ARTS Electives</td>
<td>Any appropriate courses</td>
<td>15</td>
</tr>
<tr>
<td>ARTH 348</td>
<td>Modernism</td>
<td>3</td>
</tr>
<tr>
<td>ARTH Elective</td>
<td>Any appropriate course</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 454</td>
<td>Contemporary Art and Criticism</td>
<td>3</td>
</tr>
<tr>
<td>ARTT 498</td>
<td>Survival Guide for Artists</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives 0-6  
Total 128  

***Subtitle must be in ceramics subject area

Bachelor of Fine Arts in Art with a concentration in Painting  
General Education Courses, see page 107  
Required Courses in Major  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTT 112</td>
<td>Introduction to Fine Arts</td>
<td>2</td>
</tr>
<tr>
<td>ARTT 113</td>
<td>Introduction to Fine Arts Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 101</td>
<td>Two-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 102</td>
<td>Three-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 120</td>
<td>Drawing I</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTS 121</td>
<td>Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 201</td>
<td>Two-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 202</td>
<td>Three-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 220</td>
<td>Drawing II</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 200</td>
<td>Foundation Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 342</td>
<td>Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 343</td>
<td>Painting II</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 175</td>
<td>Intro to Art Hist Prehistory-Middle Ages</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTH 176</td>
<td>Intro to Art Hist Renaissance-Present</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 300</td>
<td>Specialization Portfolio Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 221</td>
<td>Life Drawing and Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 320</td>
<td>Drawing III</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 332</td>
<td>Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 442</td>
<td>Painting III</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 443</td>
<td>Painting IV</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 482, 483, 484</td>
<td>Special Topics in Art (painting)</td>
<td><em>9</em>**</td>
</tr>
<tr>
<td>ARTS 542</td>
<td>Painting V</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 543</td>
<td>Painting VI</td>
<td>3</td>
</tr>
<tr>
<td>ARTS Electives</td>
<td>Any appropriate courses</td>
<td>9</td>
</tr>
</tbody>
</table>
### Bachelor of Fine Arts in Art with a concentration in Photography: Commercial Track

**General Education, see page 107**

**Required Courses in Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTT 112</td>
<td>Introduction to Fine Arts</td>
<td>2</td>
</tr>
<tr>
<td>ARTT 113</td>
<td>Introduction to Fine Arts Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 101</td>
<td>Two-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 102</td>
<td>Three-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 120</td>
<td>Drawing I</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTS 121</td>
<td>Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 201</td>
<td>Two-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 202</td>
<td>Three-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 220</td>
<td>Drawing II</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 200</td>
<td>Foundation Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 311</td>
<td>Photo Communication</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 370</td>
<td>Basic Photography (Small Format)</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 371</td>
<td>Creative Process in Photography</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 175</td>
<td>Intro to Art Hist Prehistory-Middle Ages</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTH 176</td>
<td>Intro to Art Hist Renaissance-Present</td>
<td>0-3</td>
</tr>
</tbody>
</table>

**Successful Passage of Foundations Grade Requirements or Portfolio Review**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTT 300</td>
<td>Specialization Portfolio Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 281</td>
<td>Computer Imaging in Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 364</td>
<td>Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 470</td>
<td>Color Photography</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 472</td>
<td>Editorial Photography</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 473</td>
<td>Large-Format Photography</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 474</td>
<td>Studio Lighting for Photography</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 572</td>
<td>Fashion Photography (Medium-Format)</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 573</td>
<td>Photography Thesis Project</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 574</td>
<td>Photography Thesis Exhibition</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 584</td>
<td>Special Topics in Art (Photography)</td>
<td>3***</td>
</tr>
<tr>
<td>ARTS Electives</td>
<td>Any appropriate courses</td>
<td>6</td>
</tr>
<tr>
<td>ARTH 351</td>
<td>History of Photography</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 348</td>
<td>Modernism</td>
<td>3</td>
</tr>
<tr>
<td>ARTT 340</td>
<td>Cooperative Education Experience</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 454</td>
<td>Contemporary Art and Criticism</td>
<td>3</td>
</tr>
<tr>
<td>BADM 371</td>
<td>Introduction to Entrepreneurship</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 371</td>
<td>Contemporary Art and Criticism</td>
<td>3</td>
</tr>
<tr>
<td>ARTT 340</td>
<td>Cooperative Education Experience</td>
<td>3</td>
</tr>
<tr>
<td>ARTT 200</td>
<td>Foundation Review</td>
<td>0</td>
</tr>
</tbody>
</table>

**Total**

128

***Subtitle must be in painting subject area.

### Bachelor of Fine Arts in Art with a concentration in Photography: Fine Art Track

**General Education, see page 107**

**Required Courses in Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTT 112</td>
<td>Introduction to Fine Arts</td>
<td>2</td>
</tr>
<tr>
<td>ARTT 113</td>
<td>Introduction to Fine Arts Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 101</td>
<td>Two-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 102</td>
<td>Three-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 120</td>
<td>Drawing I</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTS 121</td>
<td>Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 201</td>
<td>Two-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 202</td>
<td>Three-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 220</td>
<td>Drawing II</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 200</td>
<td>Foundation Review</td>
<td>0</td>
</tr>
</tbody>
</table>

**Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS Electives</td>
<td>Any appropriate courses</td>
<td>6</td>
</tr>
<tr>
<td>ARTH 351</td>
<td>History of Photography</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 348</td>
<td>Modernism</td>
<td>3</td>
</tr>
<tr>
<td>ARTT 340</td>
<td>Cooperative Education Experience</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 454</td>
<td>Contemporary Art and Criticism</td>
<td>3</td>
</tr>
<tr>
<td>BADM 371</td>
<td>Introduction to Entrepreneurship</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total**

125

***Subtitle must be in photography subject area.
## Bachelor of Fine Arts in Art with a concentration in Printmaking

**General Education, see page 107**

**Required Courses in Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTT 112</td>
<td>Introduction to Fine Arts</td>
<td>2</td>
</tr>
<tr>
<td>ARTT 113</td>
<td>Introduction to Fine Arts Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 101</td>
<td>Two-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 102</td>
<td>Three-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 120</td>
<td>Drawing I</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTS 121</td>
<td>Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 201</td>
<td>Two-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 202</td>
<td>Three-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 220</td>
<td>Drawing II</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 200</td>
<td>Foundation Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 335 or ARTS 336</td>
<td>Printmaking: Serigraphy/Screen Process or Printmaking: Relief</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 337</td>
<td>Printmaking: Intaglio Printing</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 175</td>
<td>Intro to Art Hist Prehistory-Middle Ages</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTH 176</td>
<td>Intro to Art Hist Renaissance-Present</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 300</td>
<td>Specialization Portfolio Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 320</td>
<td>Drawing III</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 370</td>
<td>Basic Photography (Small Format)</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 436</td>
<td>Printmaking: Lithography</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 437</td>
<td>Intermediate Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 482, 483, 484</td>
<td>Special Topics in Art (printmaking)</td>
<td>9***</td>
</tr>
<tr>
<td>ARTS 536</td>
<td>Advanced Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>ARTS Electives</td>
<td>Any appropriate courses</td>
<td>15</td>
</tr>
<tr>
<td>ARTH 348</td>
<td>Modernism</td>
<td>3</td>
</tr>
<tr>
<td>ARTH Elective</td>
<td>Any appropriate course</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 454</td>
<td>Contemporary Art and Criticism</td>
<td>3</td>
</tr>
<tr>
<td>ARTT 498</td>
<td>Survival Guide for Artists</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

<table>
<thead>
<tr>
<th>Elective Code</th>
<th>Elective Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 379</td>
<td>History of Photography</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 148</td>
<td>Modernism</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 454</td>
<td>Contemporary Art and Criticism</td>
<td>3</td>
</tr>
<tr>
<td>ARTT 498</td>
<td>Survival Guide for Artists</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total**

128

***Subtitle must be in printmaking subject area***
### Bachelor of Fine Arts in Art with a concentration in Sculpture

<table>
<thead>
<tr>
<th>General Education, see page 107</th>
<th>35-53</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses in Major</td>
<td>76-88</td>
</tr>
<tr>
<td>ARTT 112 Introduction to Fine Arts</td>
<td>2</td>
</tr>
<tr>
<td>ARTT 113 Introduction to Fine Arts Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 101 Two-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 102 Three-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 120 Drawing I</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTS 121 Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 201 Two-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 202 Three-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 220 Drawing II</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 200 Foundation Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 332 Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 333 Sculpture II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 355 Jewelry and Metals I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 356 Jewelry and Metals II</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 175 Intro to Art Hist Prehistory-Middle Ages</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTH 176 Intro to Art Hist Renaissance-Present</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 300 Specialization Portfolio Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS electives Any appropriate courses</td>
<td>6</td>
</tr>
<tr>
<td>ARTS 370 Basic Photography (Small Format)</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 432 Sculpture III</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 433 Sculpture IV</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 482, 483, 484 Special Topics in Art (sculpture)</td>
<td>9***</td>
</tr>
<tr>
<td>ARTS 532 Sculpture V</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 533 Sculpture VI</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 585 Special Topics in Art (sculpture)</td>
<td>3***</td>
</tr>
<tr>
<td>ARTH 348 Modernism</td>
<td>3</td>
</tr>
<tr>
<td>ARTH Electives Any appropriate course</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 454 Contemporary Art and Criticism</td>
<td>3</td>
</tr>
<tr>
<td>ARTT 498 Survival Guide for Artists</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>0-6</td>
</tr>
<tr>
<td>Total</td>
<td>128</td>
</tr>
</tbody>
</table>

***Subtitle must be in sculpture subject area.

### Bachelor of Fine Arts in Art with a concentration in Jewelry/Metals

<table>
<thead>
<tr>
<th>General Education, see page 107</th>
<th>35-53</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses in Major</td>
<td>76-88</td>
</tr>
<tr>
<td>ARTT 112 Introduction to Fine Arts</td>
<td>2</td>
</tr>
<tr>
<td>ARTT 113 Introduction to Fine Arts Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>ARTS 101 Two-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 102 Three-Dimensional Design I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 120 Drawing I</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTS 121 Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 201 Two-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 202 Three-Dimensional Design II</td>
<td>3</td>
</tr>
<tr>
<td>ARTT 200 Foundation Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 220 Drawing II</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTS 332 Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 333 Sculpture II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 355 Jewelry and Metals I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 356 Jewelry and Metals II</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 175 Intro to Art Hist Prehistory-Middle Ages</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTH 176 Intro to Art Hist Renaissance-Present</td>
<td>0-3</td>
</tr>
<tr>
<td>ARTT 300 Specialization Portfolio Review</td>
<td>0</td>
</tr>
<tr>
<td>ARTS 342 Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 351 Ceramics I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 370 or 364 Basic Photography (Small Format), Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 455 Jewelry and Metals III</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 456 Jewelry and Metals IV</td>
<td>3</td>
</tr>
</tbody>
</table>
The Department of Design offers the professional Bachelor of Fine Arts degree with concentrations in two areas, Interior Design and Visual Communication Design. Winthrop University is an accredited institutional member of the National Association of Schools of Art and Design (NASAD) and the Interior Design program is accredited by the Council for Interior Design Accreditation (CIDA). Administrative and faculty offices and studios are located in McLaurin Hall. Lecture and studio classes are held primarily in Rutledge building with a limited number in McLaurin Hall and Roddey Hall.

Design Scholarships and Awards
General scholarships are available in both Interior Design and Visual Communication Design. These awards are based upon a review of student work as an indication of success in their chosen degree program. These scholarships are primarily intended for newly admitted students. Decisions as to the awarding of a scholarship are typically made in January of the year that a student begins study at Winthrop, with the possibility of some additional awards being distributed just prior to the Fall semester. Please contact the department office or consult the department website for more information.

Transfer Students
Content and sequencing of applied design programs vary greatly among institutions, and coursework having similar titles may or may not be comparable in content. A portfolio review of design work produced in studio courses at other (non-articulated) schools is required of transfer students who intend that work to apply toward their degree at Winthrop. The purpose of a transfer portfolio review is to determine the applicability and proper level of placement into the degree program of choice. The review is conducted by a faculty committee at the start of the student’s initial semester. Transfer students are advised to request a copy of the department’s Portfolio Review Requirements for further details.

Bachelor of Fine Arts
The Bachelor of Fine Arts degree is a professional degree designed for students who wish to pursue careers in applied design professions or for the student wishing to pursue graduate study. Areas of concentration include Interior Design or Visual Communication Design, which consists of tracks in Graphic Design and Illustration. The department additionally offers an Interactive Media track of study as part of the Digital Information Design program housed within the College of Business. (For more information on the Interactive Media degree program, please refer to the DIFD program information, found under the College of Business Administration elsewhere in this catalog.)

Students may take courses in their intended major prior to being accepted to the major; however, students may not register for courses numbered above INDS 300 or VCOM 300 without the passage of the Specialization Portfolio Review.

The student must maintain a minimum cumulative grade-point average of 2.00 or better in coursework taken at Winthrop. A minimum grade of “C” is required for all required program courses in the Bachelor of Fine Arts degree. Students must repeat any program required course in which a grade of “C” or below was received. The student must
complete a minimum of 21 semester hours of program courses in residence at Winthrop University. Within the hours required for this degree, the student must include a minimum of 40 semester hours in courses numbered above 299 and must complete PLSC 201 or ECON 103.

**Specialization Portfolio Review (INDS 300 or VCOM 300)**

The Specialization Portfolio Review is designed to measure the suitability of BFA students for advanced-level program courses. Requirements for the Review vary by degree program but in general, to be eligible for the review, students must have completed (or have in progress) the courses required for the review and have earned a minimum grade of C+ in all required program courses. In general, the Specialization Portfolio Review will measure anticipated success in the degree by looking for signs of independence, thoroughness of research and discipline, and transfer of skills and knowledge. While students may have been successful in earning grades in previous coursework by meeting individual class standards, it should be emphasized that the Specialization Portfolio Review is based on the aggregated work in the portfolio alone.

Students register to take the Specialization Portfolio Review (INDS or VCOM 300) in the same semester in which they anticipate completing the courses required for the review. The Review is offered three times per year, at the conclusion of Fall, Spring, and Summer terms. Passage of the Specialization Portfolio Review constitutes acceptance into the major and allows the student to enroll in program courses numbered above INDS 300 and VCOM 300. After passing the review, a student may not change a BFA concentration without passing a Specialization Portfolio Review in the new concentration of choice. Non-BFA students above the sophomore level may not change into the BFA program without passage of the review for the intended area. Students should communicate with the departmental office for more information. In general, courses numbered above INDS 300 and VCOM 300 have a prerequisite of successful completion of the Specialization Portfolio Review for that program.

The following program is pending approval by the Commission on Higher Education (CHE): Bachelor of Fine Arts in Art with a concentration in Interior Design

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td>Critical Skills</td>
<td>18</td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201 Critical Reading, Thinking &amp; Writing</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
</tr>
<tr>
<td>MATH 150 Introductory Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Technology</td>
<td></td>
</tr>
<tr>
<td>CSCI 101 &amp; 101A, B &amp; F Intro to Computers, MS, Excel, Photoshop</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td></td>
</tr>
<tr>
<td>WRIT 465 Preparation of Oral &amp; Written Reports</td>
<td>3</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
</tr>
<tr>
<td>CSCI 101 &amp; 101A, B &amp; F Intro to Computers, MS, Excel, Photoshop</td>
<td>0</td>
</tr>
<tr>
<td>Skills for Common Experiences and Thinking Across Disciplines</td>
<td>9</td>
</tr>
<tr>
<td>HMXP 102 The Human Experience: Who am I?</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td></td>
</tr>
<tr>
<td>ARTH 175 Introduction to Art History I</td>
<td>3</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td></td>
</tr>
<tr>
<td>ARTH 176 Introduction to Art History II</td>
<td>3</td>
</tr>
<tr>
<td>Developing Critical Skills and Applying them to Disciplines</td>
<td>22</td>
</tr>
<tr>
<td>Constitutional Requirement</td>
<td></td>
</tr>
<tr>
<td>PLSC 201 or ECON 103 Amer Government or Intro to Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; cannot use course with same designator used for the Constitutional Requirement</td>
<td>3-6</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td></td>
</tr>
<tr>
<td>INDS 488 Senior Thesis</td>
<td>3</td>
</tr>
<tr>
<td>See approved list, p. 16; one course must be a non-CVPA designator.</td>
<td>3-6</td>
</tr>
<tr>
<td>Natural Science</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; must include one lab science</td>
<td>7</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td></td>
</tr>
<tr>
<td>WRIT 465 Preparation of Oral &amp; Written Reports</td>
<td>0*</td>
</tr>
<tr>
<td>Required Courses in Major</td>
<td></td>
</tr>
<tr>
<td>VCOM 120 Design Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 175 Introduction to Art History I</td>
<td>0*</td>
</tr>
<tr>
<td>ARTH 176 Introduction to Art History II</td>
<td>0*</td>
</tr>
<tr>
<td>CSCI 101 &amp; 101A, B &amp; F Intro to Computers, MS, Excel, Photoshop</td>
<td>0*</td>
</tr>
<tr>
<td>INDS 101 Interior Design Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>
COLLEGE OF VISUAL & PERFORMING ARTS--ILLUSTRATION

INDS 111 Interior Design Studio: Fundamentals 3
INDS 213 Spatial Analysis and Theory I 3
INDS 223 Presentation Techniques I 3
INDS 238 Textiles and Materials 3
INDS 271 Int Des & Architecture History I 3
INDS 272 Int Des & Architecture History II 3
INDS 300 INDS Portfolio Review 0
INDS 313 Spatial Analysis & Theory II 3
INDS 323 Presentation Techniques II 3
INDS 325 CAD for Interior Design 3
INDS 326 Intro to Building Systems 3
INDS 329 Int Des Contract Documents 3
INDS 331 Lighting Design 3
INDS 336 Codes and Standards 3
INDS 340 Cooperative Education Experience 3
INDS 353 Interior Design Studio I 3
INDS 357 Interior Design Studio II 4
INDS 425 Adv Comp Apps for Interior Design 3
INDS 429 Professional Practices for Interior Design 3
INDS 453 Interior Design Studio III 4
INDS 455 Interior Design Studio IV 4
INDS 485 Portfolio Preparation 1
INDS 487 Senior Thesis Preparation 3
INDS 488 Senior Thesis 0*
WRIT 465 Preparation of Oral & Written Reports 0*

Electives
ARTH, ARTS, ARTT, BADM, ENTR, MGMT, INDS, PSYC, SOCL, THRA
(See Program Coordinator for approved list)

Total 127

*Hours are covered in program requirement and counted in Major Requirements.

The following program is pending approval by the Commission on Higher Education (CHE):
BFA in Art with Concentration in Visual Communication Design: Graphic Design

General Education Courses
ACAD 101 Principles of the Learning Academy 1
Critical Skills
WRIT 101 Composition 3
CRTC 201 Critical Reading, Thinking & Writing 3
Quantitative Skills
MATH 150 Introductory Discrete Mathematics 3
Technology
CSCI 101, & 101A, F & I Intro to Comp & Info Process; MS; Photoshop; Illustrator 3
Oral Communication
WRIT 465 Preparation of Oral & Written Reports 3*
Logic/Language/Semiotics
VCOM 261 Intro Computer Imaging 3*
Skills for Common Experience and Thinking Across Disciplines
HMXP 102 The Human Experience: Who am I? 3
Global Perspectives
ARTH 175 Introduction to Art History I 3
Historical Perspectives
ARTH 176 Introduction to Art History II 3
Developing Critical Skills and Applying them to Disciplines 22
Constitution Requirement
PLSC 201 or ECON 103 Amer Gov’t or Intro to Political Economy 3
Social Science
See approved list, p. 16; cannot use course with same designator as Constitution Requirement 3-6
Humanities and Arts
VCOM 258 Introduction to Typography 3
See approved list, p. 16; 2 designators required, one must
**COLLEGE OF VISUAL & PERFORMING ARTS--INTERIOR DESIGN**

<table>
<thead>
<tr>
<th>Natural Science</th>
<th>Intensive Writing</th>
<th>Required Courses in Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>be from outside the Dept. of Fine Arts or Design</td>
<td>See approved list, p. 16; must include one lab science</td>
<td><strong>71</strong></td>
</tr>
<tr>
<td><strong>WRIT 465 or</strong></td>
<td><strong>Preparation of Oral &amp; Written Reports (graphic design)</strong></td>
<td></td>
</tr>
<tr>
<td>* Hours are covered in program requirement and counted in Major Requirements.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**VCOM Electives**

- Approved electives 6
- **WRIT 465** Preparation of Oral & Written Reports 0*

**Electives** 3-6

**Total** 124

---

*The following program is pending approval by the Commission on Higher Education (CHE): Bachelor of Fine Arts in Art with a concentration in Visual Communication Design: Illustration Track*

### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td><strong>Critical Skills</strong></td>
<td></td>
<td><strong>18</strong></td>
</tr>
<tr>
<td><strong>Writing and Critical Thinking</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRIT 101</td>
<td>Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRTW 201</td>
<td>Critical Reading, Thinking &amp; Writing</td>
<td>3</td>
</tr>
<tr>
<td><strong>Quantitative Skills</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 150</td>
<td>Introductory Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td><strong>Technology</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSCI 101, 101F &amp; I, and one add. module</td>
<td>Intro to Comp &amp; Info Process; Photoshop; Illustrator</td>
<td>3</td>
</tr>
<tr>
<td><strong>Oral Communication</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRIT 465</td>
<td>Preparation of Oral &amp; Written Reports</td>
<td>3*</td>
</tr>
<tr>
<td><strong>Logic/Language/Semiotics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VCOM 261</td>
<td>Intro Computer Imaging</td>
<td>3*</td>
</tr>
<tr>
<td><strong>Skills for Common Experience and Thinking Across Disciplines</strong></td>
<td></td>
<td><strong>9</strong></td>
</tr>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who am I?</td>
<td>3</td>
</tr>
</tbody>
</table>
### Global Perspectives
- ARTH 175: Introduction to Art History I (3)

### Historical Perspectives
- ARTH 176: Introduction to Art History II (3)

### Developing Critical Skills and Applying them to Disciplines

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constitution Requirement</td>
<td>PLSC 201 or ECON 103</td>
<td>Amer Gov’t or Intro to Political Economy (3)</td>
</tr>
<tr>
<td>Social Science</td>
<td>See approved list, p. 16; cannot use course with same designator as Constitution Requirement (3-6)</td>
<td></td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>VCOM 258</td>
<td>Introduction to Typography (3)</td>
</tr>
<tr>
<td></td>
<td>See approved list, p. 16; 2 designators required, one must be from outside the Dept. of Fine Arts or Design (3-6)</td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td>BIOL 307</td>
<td>Human Anatomy (4)</td>
</tr>
</tbody>
</table>

### Intensive Writing
- WRIT 465: Preparation of Oral & Written Reports (0)

### Required Courses in Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 180 or FINC 101</td>
<td>Contemporary Business Issues, Personal Finance (3)</td>
<td></td>
</tr>
<tr>
<td>PHED 267</td>
<td>Weight Training (1)</td>
<td></td>
</tr>
<tr>
<td>VCOM 101</td>
<td>VCOM Seminar (1)</td>
<td></td>
</tr>
<tr>
<td>VCOM 120</td>
<td>Design Drawing (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 121</td>
<td>Design Drawing II: Struct. &amp; Form (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 150</td>
<td>Design Studio Skills (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 151</td>
<td>Design Fundamentals (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 154</td>
<td>Design and Color (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 200</td>
<td>Illustration: the Figure (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 222</td>
<td>Visual Thinking &amp; Symb. Comm (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 258</td>
<td>Intro. Typography (0*)</td>
<td></td>
</tr>
<tr>
<td>VCOM 259</td>
<td>Intro. Graphic Design (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 261</td>
<td>Intro. to Comp. Imaging (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 262</td>
<td>Intro. Web Design (0*)</td>
<td></td>
</tr>
<tr>
<td>VCOM 300</td>
<td>VCD Portfolio Review (0)</td>
<td></td>
</tr>
<tr>
<td>VCOM 301</td>
<td>Critical Seminar (1)</td>
<td></td>
</tr>
<tr>
<td>VCOM 320</td>
<td>Illustration: Comparative Anat. (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 323</td>
<td>Illustration: Costumed Figure (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 325</td>
<td>Illustration: Portraiture (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 374</td>
<td>History of Gr. Des. and Illo. (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 388</td>
<td>Graph. Arts Prod. Practices (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 401</td>
<td>Critical Seminar (1)</td>
<td></td>
</tr>
<tr>
<td>VCOM 420</td>
<td>Illustration: Heroes and Antiheroes (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 423</td>
<td>Illustration: Fairy Tales / Child. Lit (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 424</td>
<td>Illustration: Sequential Storytelling (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 425</td>
<td>Illustration: Persuasion &amp; Propaganda (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 427</td>
<td>Illustration: Narrative and Editorial (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 486</td>
<td>Senior Thesis Proposal (1)</td>
<td></td>
</tr>
<tr>
<td>VCOM 487</td>
<td>Senior Thesis (3)</td>
<td></td>
</tr>
<tr>
<td>VCOM 501</td>
<td>Critical Seminar (1)</td>
<td></td>
</tr>
<tr>
<td>VCOM 578</td>
<td>Prof. Portfolio (3)</td>
<td></td>
</tr>
<tr>
<td>WRIT 465</td>
<td>Prep. Oral &amp; Written Rept. (3*)</td>
<td></td>
</tr>
</tbody>
</table>

VCOM, ARTS, INFD approved VCOM electives (3)

Directed VCOM “history” elective (3)

### Total Hours
- 125

* Hours are covered in program requirement and counted in Major Requirements.
MUSIC

Faculty

Professors
Jerry L. Helton, Professor Emeritus
W. Martin Hughes
David M. Lowry, Professor Emeritus
William F. Malambri, Jr.
Ian D. Pearson
Phil A. Thompson
B. Michael Williams

Associate Professors
Lewis H. Dickert, Jr.
Katherine S. Kinsey
Matthew C. Manwarren
Donald M. Rogers, Chair
Ronald K. Parks

Assistant Professors
Lorrie S. Crochet
Tomoko Deguchi
John H. Fowler
Connie L. Hale
Leonard Mark Lewis
Kristen A. Wunderlich

Instructors
Janice B. Bradner
Jennifer L. McDaniel-Milliken, Music Librarian

Lecturers
Jennifer N. Austin
Lannia N. Bronola-Dickert
Elizabeth D. Burns
Mark C. Dulin
Rachel H. Faille
Christine E. Fisher
Timothy S. Gordon
J. Kevin Gray
Ann C. Harris
Thomas P. Hildreth
Jennifer C. Hough
Michael B. Hough
J. Randall Imler
Sarita J. Maxwell
Judy L. Meister
Joséph P. Miller
Lavon C. Noel
Jill L. O’Neill
Robert E. Rydel
Adam M. Snow
Daniel C. Stein
Hollis B. Ulaky
Hilary W. Yost

Mission
It is the mission of the Department of Music at Winthrop University to provide opportunities for music students to develop their creative and musical potentials, prepare music students for professional careers in music, continue its historic leadership role in music education in the region, serve the campus community by offering musical experiences and the opportunity to develop musical knowledge and skills to non-music majors, serve the larger community through programs of national distinction, be responsive to change, and be committed to on-going self-evaluation.

Introduction
The Department of Music offers three undergraduate degree programs: the Bachelor of Music degree in performance, the Bachelor of Music Education degree with concentrations in choral or instrumental music, and the more general Bachelor of Arts degree in music. In addition, the department offers both the Master of Music and Master of Music Education degrees, described in the Winthrop University Graduate Catalog.

Winthrop University is an accredited institutional member of the National Association of Schools of Music. The department offers professional instruction in musicianship, performance, and pedagogy for students planning careers in music. Opportunities for musical experiences are provided for the general college student as well.

The Department of Music is housed in the Conservatory of Music. The adjacent 3,500 seat Byrnes Auditorium has an historic 70-rank, four-manual pipe organ by Aeolian-Skinner, newly renovated in 2008. The facilities in the Conservatory include Barnes Recital Hall, practice rooms, faculty offices, studios, classrooms, and rehearsal rooms.

The Music Library, located in 334 McLaurin Hall, has a full-time music librarian and a staff of assistants who help students in the use of scores, recordings, listening stations, ear training programs, and video equipment available there. The Computer Music Laboratory, located in Byrnes Auditorium, Room 203B, includes facilities and equipment for composition. The Electronic Keyboard Laboratory is also located in Byrnes Auditorium, Room 203A.

For more information on the Department of Music, please visit www.winthrop.edu/music/.

Admission
To be admitted as a music major, a student must perform an entrance audition that demonstrates background in applied music sufficient to meet the performance requirements of first-year applied music study at the collegiate level. Students may be admitted as music majors on “condition.” On “condition” must be removed by the end of two semesters of study for the student to continue as a music major. In addition, all entering music majors take a placement test in music fundamentals. Entrance auditions and placement tests are given during the summer orientation sessions and at the beginning of each semester before classes begin.
For a complete listing of requirements for admission to the Teacher Education Program, consult the College of Education section of this catalog.

Entrance Audition

Bachelor of Music Degree. Entrance audition requirements for specific performance areas of applied music study may be obtained by writing to the Chair, Department of Music. Students auditioning for the BM degree are expected to demonstrate technical facility and musicianship which distinguish the student as one who can fulfill the rigorous performance requirements in this professional program.

Bachelor of Music Education and Bachelor of Arts Degrees. Entrance auditions for the BME and BA degrees do not require specific repertory. Students should be prepared to demonstrate their performance ability effectively by performing compositions of different styles.

Music Scholarships

The Department of Music offers music scholarships to freshmen and transfer students who plan to major in music. All scholarships are selected through competitive auditions and are renewable for a period of up to four years (2-4 years for transfer students).

All music scholarships qualify students for an out-of-state tuition waiver. Information on music scholarships is available on the website.

Performance Requirements for Graduation

Bachelor of Music Degree. Majors in the BM program must present a half-recital in the junior year and a full recital in the senior year.

Bachelor of Music Education Degree. Students in the BME program must present a half-recital in the senior year.

Bachelor of Arts Degree. There is no recital requirement for graduation in the Bachelor of Arts curriculum. BA students must enroll in applied music for at least six semesters.

Keyboard Skills Examination

BME students and BM performance majors must take a keyboard skills examination at the end of the sophomore year. BM students may satisfy this requirement through successful completion of MUSA 282 (Piano Class IV). Students who do not successfully complete the examination by the end of the sophomore year may not enroll in junior-level music courses.

Minor in Music

Students may earn a minor in music if they are majoring in an area other than music. For the specific requirements for the minor in music, see the section on Minors.

S/U Option

Music majors are not permitted to utilize the S/U option when registering for music courses.

Minimum Grade Requirement

Music majors must receive a minimum grade of C (2.0) in every music course (MUSA or MUST) used to meet requirements for a music degree.

Sophomore Review

The purpose of the Sophomore Review is to evaluate all music education candidates for eligibility for entry into the Teacher Education Program at Winthrop. All music education majors will stand for the Sophomore Review during their fourth semester as a music education major (normally the second semester of their sophomore year, or the semester during which they will complete 60 semester hours). This review will be administered by the Music Education Committee in the Department of Music. Successful completion of the Sophomore Review is required before a student will be permitted to enroll in junior-level music education courses (i.e., MUST 317, 590, and 300-level applied music) and apply for formal entry into the Teacher Education program in the Richard W. Riley College of Education.

Website

For more detailed information on any area listed above, please visit our website at www.winthrop.edu/music/.
# Bachelor of Arts in Music

**General Education Courses**
- ACAD 101: Principles of the Learning Academy, 1

**Critical Skills**
- **Writing and Critical Thinking**
  - WRIT 101, CRTW 201: Composition; Critical Reading, Thinking & Writing, 6
- **Quantitative Skills**
  - MATH 150: Introductory Discrete Mathematics, 3

**Technology**
- MUST 121: Introduction to Music Technology, 0*

**Oral Communication**
- Elective: Intensive Oral Communication, 3

**Logic/Language/Semiotics**
- CSCI, Foreign Language, PHIL 220 or 225, SPCH 201, MATH or QMTH, 6

**Skills for a Common Experience and Thinking Across Disciplines**
- HMXP 102: The Human Experience: Who Am I?, 3
- MUST 307: Music Since 1900, 0*
- Historical Perspectives: See approved list, p. 16; may be met with MUST 305, 0-3

**Developing Critical Skills and Applying Them to Disciplines**
- Social Sciences: See approved list, p. 16; cannot use course with same designator as Constitution Req or Hum elective, 3

**Humanities and the Arts**
- MUSA 111 through 312: Private Lessons in the Major Instrument, 0*
- Elective: See approved list, p. 16; cannot use course with same designator as Constitution Req or the Soc Sci elective, 3

**Constitution Requirement**
- PLSC 201 or ECON 103: Amer Government or Intro to Political Economy, 3

**Intensive Writing**
- MUST 306: Music History from 1750-1900, 0*

**Natural Science**
- 2 courses from different sci categories (earth, life, & physical) & must include one lab science, 7

**Music Core – Applied**
- MUSA 111-112, 211-212, 311-312: Private Lessons in the Major Instrument, 6
- MUSA 151 or 152 (guitar, piano, organ, voice majors), 156 or 157 (wind/percussion majors), or 161 (string majors): Major Ensemble (guitar majors may substitute up to 3 hours of MUSA 168), 6
- MUSA 181-182: Piano Class I-II, 2

**Music Core – Theoretical**
- MUST 121: Introduction to Music Technology, 1
- MUST 111-112, 211-212: Music Theory I-IV, 12
- MUST 113-114, 213-214: Aural Skills I-IV, 4
- MUSA/MUST Electives: Any courses numbered above 299 except MUST 315, 5
- MUST 5___: 500-level MUST elective, 3

**Electives**
- Choose from courses with any course designator other than MUSA or MUST (must include a minor or second major), 38

**Total**
- 124

*Courses fulfilling these General Education Requirements are listed in the Music Core.*

**ADDITIONAL REQUIREMENTS**
- Six semesters of approved recital attendance.
- A minimum grade of C (2.0) is required in all MUSA/MUST courses meeting degree requirements.
- Cultural Events Requirement.
- Constitution Requirement.
- Completion of a Minor or second Major.
- Intensive Oral Communication Requirement.
- A minimum of 21 hours of MUSA/MUST courses in residence at Winthrop University.
- A minimum cumulative GPA of 2.0 is required for all courses taken at Winthrop, as well as courses counted toward the major and minor programs.
### Bachelor of Music Education - Choral Certification

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
</tr>
<tr>
<td>WRIT 101, CRTW 201</td>
<td>Composition; Critical Reading, Thinking &amp; Writing</td>
</tr>
<tr>
<td>MUST 121</td>
<td>Introduction to Music Technology</td>
</tr>
<tr>
<td>MUST 591</td>
<td>Principles of Teaching Music</td>
</tr>
</tbody>
</table>

**Critical Skills**

### Quantitative Skills

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 150</td>
<td>Introductory Discrete Mathematics</td>
</tr>
</tbody>
</table>

**Technology**

| MUST 190, 590, 591, 592 | Music Education Core Courses |

**Logic/Language/Semiotics**

<table>
<thead>
<tr>
<th>CSCI, Foreign Language, PHIL 220 or 225, SPCH 201, MATH or QMTH</th>
<th>Semester Hours</th>
</tr>
</thead>
</table>

**Skills for a Common Experience and Thinking Across Disciplines**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMPX 102</td>
<td>The Human Experience: Who Am I?</td>
</tr>
<tr>
<td>MUST 307</td>
<td>Music Since 1900</td>
</tr>
</tbody>
</table>

**Intensive Oral Communication**

| MUST 591                | Principles of Teaching Music |

**Intensive Writing**

| MUST 306                | Music History from 1750-1900 |

**Natural Science**

| 2 courses from different sci categories (earth, life, & physical) & must include at least one lab science |


**Music Core – Applied**

| MUST 151 or 152         | Major Choral Ensemble |
| MUST 14_, 15_ or 16_    | Small Ensemble Requirement |
| MUST 111-112, 211-212   | Private Lessons in the Major Instrument |
| MUST 181-182, 281-282   | Piano Class I-IV |
| MUST 291, 293, 295, 296, 297 | Vocal and Instrumental Methods Courses |

| MUST 317-318            | Beginning & Intermediate Conducting |
| MUST 411, 521           | Form & Analysis, Composition Methods & Arranging |
| MUST 5___               | 500-level MUST elective |

**Music Core – Theoretical**

| MUST 111-112, 211-212   | Music Theory I-IV |
| MUST 113-114, 213-214   | Aural Skills I-IV |
| MUST 121                | Introduction to Music Technology |
| MUST 305, 306, 307      | Music History Sequence |
| MUST 317-318            | Beginning & Intermediate Conducting |

**Professional Education Sequence**

| EDUC 110, 210, 250, 275, 310, 390 | Education Core |
| EDUC 475, 490                  | Internship, Capstone |
| MUST 190, 590, 591, 592        | Music Education Core Courses |

**Total**

137

*Courses fulfilling these General Education Requirements are listed in the Music Core.

**C (2.0) or better must be earned in each course

### ADDITIONAL REQUIREMENTS

- Keyboard Skills Examination (sophomore year).
- Sophomore Review (sophomore year)
- Half Recital (senior year).
- Seven semesters of approved recital attendance.
- A minimum grade of C (2.0) is required in all MUSA/MUST courses meeting degree requirements.
- Cultural Events Requirement.
• A minimum of 21 hours of MUSA/MUST courses in residence at Winthrop University.
• A minimum cumulative GPA of 2.75 is required for admission to Teacher Education at Winthrop.
• The Praxis II Test is required prior to graduation and includes the following three tests: (1) Music Education Specialty [#0111]—Elementary or 9-12 (2), Music Analysis Section [#0113], and (3) Principles of Learning and Teaching (PLT)—either Elementary or High School.

Bachelor of Music Education-Instrumental Certification

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
</tr>
<tr>
<td>Critical Skills</td>
<td></td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td>Composition; Critical Reading, Thinking &amp; Writing</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td>Introductory Discrete Mathematics</td>
</tr>
<tr>
<td>Technology</td>
<td>Introduction to Music Technology</td>
</tr>
<tr>
<td>Intensive Oral Communication</td>
<td>Principles of Teaching Music</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
</tr>
<tr>
<td>CSCI, Foreign Language, PHIL 220 or 225, SPCH 201, MATH or QMTH</td>
<td>6</td>
</tr>
<tr>
<td>Skills for a Common Experience and Thinking Across Disciplines</td>
<td></td>
</tr>
<tr>
<td>HMXP 102</td>
<td>The Human Experience: Who Am I?</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>Music Since 1900</td>
</tr>
<tr>
<td>MUST 307</td>
<td>See approved list, p. 16; may be met with MUST 305</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td></td>
</tr>
<tr>
<td>PLSC 201 or ECON 103</td>
<td>American Government / Intro to Political Economy</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td></td>
</tr>
<tr>
<td>MUST 306</td>
<td>Music History from 1750-1900</td>
</tr>
<tr>
<td>Natural Science</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>See approved list, p. 16; cannot use course with same designator as Constitution Req or Hum elective</td>
</tr>
<tr>
<td>Humanities and the Arts</td>
<td></td>
</tr>
<tr>
<td>MUSA 111 through 312</td>
<td>Private Lessons in the Major Instrument</td>
</tr>
<tr>
<td>Elective</td>
<td>See approved list, p. 16; cannot use course with same designator as Constitution Req or the Soc Sci elective</td>
</tr>
<tr>
<td>Constitution Requirement</td>
<td></td>
</tr>
<tr>
<td>PLSC 201 or ECON 103</td>
<td>American Government / Intro to Political Economy</td>
</tr>
<tr>
<td>Intensive Writing</td>
<td></td>
</tr>
<tr>
<td>MUST 306</td>
<td>Music History from 1750-1900</td>
</tr>
<tr>
<td>Music Core – Applied</td>
<td></td>
</tr>
<tr>
<td>MUSA 156 or 157 (wind/percussion majors)</td>
<td>Major Instrumental Ensemble</td>
</tr>
<tr>
<td>or 161 (string majors)</td>
<td>Small Ensemble Requirement</td>
</tr>
<tr>
<td>MUSA 14 or 15, or 16</td>
<td>Private Lessons in the Major Instrument</td>
</tr>
<tr>
<td>MUSA 111-112, 211-212, 311-312, 411</td>
<td>Piano Class I-IV</td>
</tr>
<tr>
<td>MUSA 181-182, 281-282</td>
<td>Vocal and Instrumental Methods Courses</td>
</tr>
<tr>
<td>MUSA 291, 293, 295, 296, 297</td>
<td></td>
</tr>
<tr>
<td>Music Core – Theoretical</td>
<td></td>
</tr>
<tr>
<td>MUST 111-112, 211-212</td>
<td>Music Theory I-IV</td>
</tr>
<tr>
<td>MUST 113-114, 213-214</td>
<td>Aural Skills I-IV</td>
</tr>
<tr>
<td>MUST 121</td>
<td>Introduction to Music Technology</td>
</tr>
<tr>
<td>MUST 305, 306, 307</td>
<td>Music History Sequence</td>
</tr>
<tr>
<td>MUST 317-318</td>
<td>Beginning &amp; Intermediate Conductor</td>
</tr>
<tr>
<td>MUST 341</td>
<td>Marching Band Techniques (Band students only)</td>
</tr>
<tr>
<td>MUST 411, 521</td>
<td>Form &amp; Analysis, Composition Methods &amp; Arranging</td>
</tr>
<tr>
<td>MUST 5</td>
<td>500-level MUST elective</td>
</tr>
<tr>
<td>Professional Education Sequence</td>
<td>Education Core</td>
</tr>
<tr>
<td>EDUC 110, 210, 250, 275, 310, 390</td>
<td>Internship, Capstone</td>
</tr>
<tr>
<td>EDUC 475, 490</td>
<td>Music Education Core Courses</td>
</tr>
<tr>
<td>MUST 190, 590, 591, 592</td>
<td>Total</td>
</tr>
</tbody>
</table>
Courses fulfilling these General Education Requirements are listed in the Music Core.

**C (2.0) or better must be earned in each course.

ADDITIONAL REQUIREMENTS

- Keyboard Skills Examination (sophomore year).
- Sophomore Review (sophomore year).
- Half Recital (senior year).
- Seven semesters of approved recital attendance.
- A minimum grade of C (2.0) is required in all MUSA/MUST courses meeting degree requirements.
- Cultural Events Requirement.
- A minimum of 21 hours of MUSA/MUST courses in residence at Winthrop University.
- A minimum cumulative GPA of 2.75 is required for all courses taken at Winthrop.
- The Praxis II Test is required prior to graduation and includes the following three tests: (1) Music Education Specialty [#0111]—Elementary or 9-12 (2), Music Analysis Section [#0113], and (3) Principles of Learning and Teaching (PLT)—either Elementary or High School.

Bachelor of Music Performance

*(Performance option)*

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td>Critical Skills Writing and Critical Thinking WRIT 101, CRTW 201</td>
<td></td>
</tr>
<tr>
<td>Quantitative Skills MATH 150 Introductory Discrete Mathematics</td>
<td></td>
</tr>
<tr>
<td>Technology MUST 121 Introduction to Music Technology</td>
<td></td>
</tr>
<tr>
<td>Oral Communication See Approved List</td>
<td></td>
</tr>
<tr>
<td>Logic-Language/ Semiotics Foreign Language</td>
<td></td>
</tr>
<tr>
<td>Skills for a Common Experience and Thinking Across Disciplines</td>
<td></td>
</tr>
<tr>
<td>HMXP 102 The Human Experience: Who Am I?</td>
<td>3</td>
</tr>
<tr>
<td>MUST 307 Music Since 1900</td>
<td>0*</td>
</tr>
<tr>
<td>Historical Perspectives See approved list, p. 16; may be met with</td>
<td>0-3</td>
</tr>
<tr>
<td>Developing Critical Skills and Applying Them to Disciplines</td>
<td></td>
</tr>
<tr>
<td>Social Sciences Elective See approved list, p. 16; cannot use course with same</td>
<td>3</td>
</tr>
<tr>
<td>Humanities and the Arts Private Lessons in the Major Instrument</td>
<td>0*</td>
</tr>
<tr>
<td>Elective See approved list, p. 16; cannot use course with same</td>
<td></td>
</tr>
<tr>
<td>Constitution Requirement PLSC 201 or ECON 103 American Government</td>
<td>3</td>
</tr>
<tr>
<td>Intensive Writing MUST 306 Music History from 1750-1900</td>
<td>0*</td>
</tr>
<tr>
<td>Natural Science 2 courses from different sci categories (earth, life,</td>
<td>7</td>
</tr>
<tr>
<td>Music Core – Applied MUSA 111-112, 211-212, 311-312, 411-412</td>
<td>38</td>
</tr>
<tr>
<td>MUSA 151 or 152 (guitar, piano, organ, voice majors), 156 or 157</td>
<td></td>
</tr>
<tr>
<td>MUSA 14_ 15_ or 16_ Small Ensemble Requirement Piano Class I-IV</td>
<td></td>
</tr>
<tr>
<td>MUSA 181-182, 281-282 Piano Class I-IV</td>
<td></td>
</tr>
<tr>
<td>Music Core – Theoretical MUST 111-112, 211-212 Music Theory I-IV</td>
<td>12</td>
</tr>
</tbody>
</table>
### Bachelor of Music Performance

*(Composition option)*

#### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
</tr>
</tbody>
</table>

#### Critical Skills

<table>
<thead>
<tr>
<th>Writing and Critical Thinking</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 101, CRTW 201</td>
</tr>
</tbody>
</table>

#### Quantitative Skills

<table>
<thead>
<tr>
<th>Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 150</td>
</tr>
</tbody>
</table>

#### Technology

| MUST 121     | Introduction to Music Technology | 0* |

#### Oral Communication

| See Approved List | Intensive Oral Communication Requirement | 3 |

#### Logic/Language/Semiotics

| Foreign Language | 8 |

#### Skills for a Common Experience and Thinking Across Disciplines

| HMXP 102 | The Human Experience: Who Am I? | 3 |

<table>
<thead>
<tr>
<th>Global Perspectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUST 307</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Historical Perspectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>See approved list, p. 16; may be met with MUST 305</td>
</tr>
</tbody>
</table>

#### Developing Critical Skills and Applying Them to Disciplines

**Social Sciences**

| Elective | See approved list, p. 16; cannot use course with same designator as Constitution Req or Hum elective | 3 |

**Humanities and the Arts**

| MUSA 111__ through 312__ | Private Lessons in the Major Instrument | 0* |

| Elective | See approved list, p. 16; cannot use course with same designator as Constitution Req or Soc Sci elective | 3 |

#### Constitution Requirement

| PLSC 201 or ECON 103 | American Government or Intro to Political Economy | 3 |

#### Intensive Writing

| MUST 306 | Music History from 1750-1900 | 0* |

#### Natural Science

| Electives | 2 courses from different sci categories (earth, life, & physical) and must include at least one lab science | 7 |

---

*Courses fulfilling these General Education Requirements are listed in the Music Core.*

**ADDITIONAL REQUIREMENTS**

- Keyboard Skills Examination (sophomore year).
- Half Recital (junior year).
- Full Recital (senior year).
- Eight semesters of approved recital attendance.
- A minimum grade of C (2.0) is required in all MUSA/MUST courses meeting degree requirements.
- Cultural Events Requirement.
- A minimum of 21 hours of MUSA/MUST courses in residence at Winthrop University.
- A minimum cumulative GPA of 2.0 is required for all courses taken at Winthrop.
<table>
<thead>
<tr>
<th>COLLEGE OF VISUAL &amp; PERFORMING ARTS--MUSIC PERFORMANCE/COMPOSITION</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Music Core – Applied</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSA 131-132, 231-232, 331-332, 431-432 Private Lessons in Composition 24</td>
</tr>
<tr>
<td>MUSA 151 or 152 (guitar, piano, organ, voice majors), 156 or 157 (wind/percussion majors), or 161 (string majors) Major Ensemble 8</td>
</tr>
<tr>
<td>MUSA 14_, 15_ or 16_ Small Ensemble Requirement 2</td>
</tr>
<tr>
<td>MUSA 181-182, 281-282 Piano Class I-IV 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Music Core – Theoretical</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUST 111-112, 211-212 Music Theory I-IV 12</td>
</tr>
<tr>
<td>MUST 113-114, 213-214 Aural Skills I-IV 4</td>
</tr>
<tr>
<td>MUST 121 Introduction to Music Technology 1</td>
</tr>
<tr>
<td>MUST 305, 306, 307 Music History Sequence 9</td>
</tr>
<tr>
<td>MUST 317, 318, 411 Beg Conducting, Intermed Conducting, Form &amp; Analysis 9</td>
</tr>
<tr>
<td>MUST 511 Orchestration 3</td>
</tr>
<tr>
<td>MUST 531-532 Computer Music Technology I-II 6</td>
</tr>
<tr>
<td>MUSA/MUST Electives Any courses above 299 except MUST 315 6 (voice majors must include MUST 321-322)</td>
</tr>
<tr>
<td>Electives Choose courses from any discipline on campus 5</td>
</tr>
</tbody>
</table>

| Total 135 |

*Courses fulfilling these General Education Requirements are listed in the Music Core.

ADDITIONAL REQUIREMENTS
- Keyboard Skills Examination (sophomore year).
- Half Recital (junior year).
- Full Recital (senior year).
- Eight semesters of approved recital attendance.
- A minimum grade of C (2.0) is required in all MUSA/MUST courses meeting degree requirements.
- Cultural Events Requirement.
- A minimum of 21 hours of MUSA/MUST courses in residence at Winthrop University.
- A minimum cumulative GPA of 2.0 is required for all courses taken at Winthrop.
The Department of Theatre and Dance offers the Bachelor of Arts Degree in Theatre (with emphases in theatre performance or design and technical theatre) and the Bachelor of Arts degree in Dance. Teacher certification options are available in both theatre and dance. The programs prepare students for a variety of career opportunities and/or graduate study. Winthrop University is an accredited institutional member of the National Association of Schools of Theatre (NAST) and the National Association of Schools of Dance (NASD).

**Admission to Dance Program**
All students who wish to pursue the dance major will be admitted to Winthrop University as a pre-dance major. This applies to first year students, transfer students, and Winthrop students who wish to change their major from some other program to dance. A pre-dance major may apply for admission to the dance major when he/she:

- is in good academic standing at the university,
- has completed one semester as a full time, pre-dance major student at Winthrop University,
- has earned the grade of 2.75 or better in all dance classes,
- has attained a proficiency rating above remedial in all major technique classes.

After one full semester as a Winthrop University, full time pre-dance major students may apply for admission to the dance major program. The application will include a writing sample. The dance faculty and department chair review all the applicants and make determinations about admission to the program. Once the faculty determines that the applicant meets the above eligibility requirements, they will consider the following factors in admitting the student into a dance major:

- The applicant’s participation in performance/production work,
- The quality of the writing sample.

The dance faculty makes a decision either to accept or reject each pre-major’s application. Students who are denied admission may meet with the dance faculty to formulate a plan to correct deficiencies in their qualifications. Such students may then re-apply for admission in the next semester. Students may re-apply two times.

**Theatre and Dance Scholarships**
Scholarships are available in both Theatre and Dance. These awards, ranging from $200 to $500, are based upon audition or portfolio review as an indication of artistic ability. There are Producers Circle Scholarships for continuing students in amounts from $200 to $500 per year. The Herbert L. Dean Dance Scholarship is awarded to an exceptional junior or senior dance student. The Blair E. Beasley, Jr. Directing Scholarship is awarded to a student who demonstrates excellence in directing. The Martie Curran Scholarship is awarded to an exceptional theatre major. The Lyssa Rauch Scholarship is awarded to an exceptional theatre education senior. The Rose Family/Concepts in Motivation Dance Scholarship is awarded to an exceptional dance student from the mid-Atlantic states. The York County Ballet Dance Scholarship is awarded to an exceptional dance major.

**Graduation Requirements**
Students must attain a minimum cumulative grade point average of 2.00 in courses taken at Winthrop University. Students must complete a minimum of 12 semester hours in either DANA/DANT courses (BA degree in Dance), or THRT/THRA courses (BA in Theatre) in residence at Winthrop, and must attain a minimum cumulative grade point average of 2.0 in the major program. Dance and Theatre majors must earn a grade of C or better in all courses in their major program.

In addition to the required program, students must select and complete a minor and achieve a minimum cumulative grade-point average of 2.0 in all courses counted toward the minor. Within the 124 hours required for this degree, the student must include a minimum of 40 semester hours in courses numbered above 299. Dance majors are required to take at least one technique class each semester.

**Minor in Theatre or Dance**
The Department of Theatre and Dance offers minors in both theatre and dance. For the specific requirements of the minors, see the section on minors.
Bachelor of Arts in Dance

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td>Critical Skills</td>
<td>18-21</td>
<td></td>
</tr>
<tr>
<td>WRIT 101 &amp; CRTW 201</td>
<td>Composition; Critical Reading, Thinking &amp; Writing</td>
<td>6</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 105 (101 is prerequisite) or 150</td>
<td>Applied Calculus, Introductory Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH, CSCI, Foreign Languages, PHIL 220 or 225, SPCH 201</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16. If a CSCI course that is approved under both Logic/Language/Semiotics &amp; Technology is taken, then it fulfills this requirement with 0 hours.</td>
<td>0-3</td>
<td></td>
</tr>
<tr>
<td>Oral Communication</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THRA 120</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>Skills for a Common Experience and Thinking Across Disciplines</td>
<td>6-9</td>
<td></td>
</tr>
<tr>
<td>HMXP 102</td>
<td>The Human Experience</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16.</td>
<td>0-3</td>
<td></td>
</tr>
<tr>
<td>Developing Critical Skills and Applying them to Disciplines</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 103~ or PLSC 201~</td>
<td>Intro to Pol Econ or American Govt</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 101, PSYC 101, ECON, PLSC, or SOCL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DANT 201</td>
<td>Choreography I</td>
<td>0*</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16. Must have two additional courses not DANA or DANT. See approved list, p. 16. Must include one lab science.</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dance Courses (Major)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DANA 111</td>
<td>Modern Dance IA</td>
<td>1</td>
</tr>
<tr>
<td>DANA 112</td>
<td>Modern Dance IB</td>
<td>1</td>
</tr>
<tr>
<td>DANA 211</td>
<td>Modern Dance IIA</td>
<td>1</td>
</tr>
<tr>
<td>DANA 212</td>
<td>Modern Dance II B</td>
<td>1</td>
</tr>
<tr>
<td>DANA 311</td>
<td>Modern Dance IIIA</td>
<td>1</td>
</tr>
<tr>
<td>DANA 312</td>
<td>Modern Dance IIIIB</td>
<td>1</td>
</tr>
<tr>
<td>DANA 121</td>
<td>Ballet IA</td>
<td>1</td>
</tr>
<tr>
<td>DANA 122</td>
<td>Ballet IB</td>
<td>1</td>
</tr>
<tr>
<td>DANA 221</td>
<td>Ballet IIA</td>
<td>1</td>
</tr>
<tr>
<td>DANA 222</td>
<td>Ballet IIB</td>
<td>1</td>
</tr>
<tr>
<td>DANA 251 or 252</td>
<td>Jazz Technique I or II</td>
<td>1</td>
</tr>
<tr>
<td>DANA 258</td>
<td>World Dance Forms</td>
<td>1</td>
</tr>
<tr>
<td>DANA 442</td>
<td>Senior Thesis Showcase</td>
<td>1</td>
</tr>
<tr>
<td>DANA 443 and/or 444</td>
<td>Dance Prod: Practicum and/or Dance Perf: Practicum</td>
<td>3</td>
</tr>
<tr>
<td>DANT 110</td>
<td>Introduction to Dance</td>
<td>1</td>
</tr>
<tr>
<td>DANT 190</td>
<td>Dance Forum (8 semesters)</td>
<td>0</td>
</tr>
<tr>
<td>DANT 200</td>
<td>Improvisation</td>
<td>1</td>
</tr>
<tr>
<td>DANT 201</td>
<td>Choreography I</td>
<td>3</td>
</tr>
<tr>
<td>DANT 301</td>
<td>Choreography II</td>
<td>3</td>
</tr>
<tr>
<td>DANT 205</td>
<td>Music for Dance</td>
<td>3</td>
</tr>
<tr>
<td>DANT 372</td>
<td>Dance Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>DANT 385</td>
<td>Dance Hist: Primitive Cult through 19th Cent</td>
<td>3</td>
</tr>
<tr>
<td>DANT 386+</td>
<td>Dance History: 1900 to Present</td>
<td>3</td>
</tr>
<tr>
<td>DANT 432</td>
<td>Careers and Current Trends in Dance</td>
<td>3</td>
</tr>
<tr>
<td>DCED 342</td>
<td>Dance Pedagogy: Modern, Jazz, Ballet</td>
<td>3</td>
</tr>
<tr>
<td>THRT 115</td>
<td>Introduction to Production</td>
<td>3</td>
</tr>
<tr>
<td>Minor and General Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>124</td>
<td></td>
</tr>
</tbody>
</table>

* Hours counted in Major
+meets Intensive Writing Requirement
~Meets Constitution Requirement
**Bachelor of Arts in Dance with Teacher Certification (K-12)**

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
</tr>
<tr>
<td><strong>Critical Skills</strong></td>
<td>15</td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td>6</td>
</tr>
<tr>
<td>WRIT 101 &amp; CRTW 201</td>
<td>Composition; Critical Reading, Thinking &amp; Writing</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td>3</td>
</tr>
<tr>
<td>MATH 105 or 150</td>
<td>Applied Calculus, Introductory Discrete Mathematics</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td>6</td>
</tr>
<tr>
<td>MATH, CSCI, Foreign Languages, PHIL, SPCH</td>
<td>The Human Experience</td>
</tr>
<tr>
<td>Skills for a Common Experience and Thinking Across Disciplines</td>
<td>6-9</td>
</tr>
<tr>
<td>HMXP 102</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>3</td>
</tr>
<tr>
<td>See approved list, p. 16.</td>
<td></td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>0*</td>
</tr>
<tr>
<td>See approved list, p. 16</td>
<td></td>
</tr>
<tr>
<td><strong>Developing Critical Skills and Applying them to Disciplines</strong></td>
<td>19</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
<tr>
<td>ECON 103~ or PLSC 201~</td>
<td>Intro to Pol Econ or American Govt</td>
</tr>
<tr>
<td>GEOG 101, PSYC 101, ECON, PLSC, or SOCL</td>
<td>See approved list, p. 16.</td>
</tr>
<tr>
<td>Humanities and Arts</td>
<td>3</td>
</tr>
<tr>
<td>DANT 201</td>
<td>Choreography I</td>
</tr>
<tr>
<td>THRT 298, MUST 298, ARTT 298</td>
<td>Theatre, Music, or Art Appreciation</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; must have one additional course</td>
<td></td>
</tr>
<tr>
<td>not DANA or DANT</td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td>7</td>
</tr>
<tr>
<td>See approved list, p. 16; must have at least one lab</td>
<td></td>
</tr>
<tr>
<td><strong>Dance Courses (Major)</strong></td>
<td>53</td>
</tr>
<tr>
<td>DANA 111</td>
<td>Modern Dance IA</td>
</tr>
<tr>
<td>DANA 112</td>
<td>Modern Dance IB</td>
</tr>
<tr>
<td>DANA 211</td>
<td>Modern Dance IIA</td>
</tr>
<tr>
<td>DANA 212</td>
<td>Modern Dance II B</td>
</tr>
<tr>
<td>DANA 311</td>
<td>Modern Dance IIIA</td>
</tr>
<tr>
<td>DANA 312</td>
<td>Modern Dance IIIB</td>
</tr>
<tr>
<td>DANA 121</td>
<td>Ballet IA</td>
</tr>
<tr>
<td>DANA 122</td>
<td>Ballet IB</td>
</tr>
<tr>
<td>DANA 221</td>
<td>Ballet IIA</td>
</tr>
<tr>
<td>DANA 222</td>
<td>Ballet IIIB</td>
</tr>
<tr>
<td>DANA 251 or 252</td>
<td>Jazz Technique I or II</td>
</tr>
<tr>
<td>DANA 258</td>
<td>World Dance Forms</td>
</tr>
<tr>
<td>DANA 443 and/or 444</td>
<td>Dance Prod: Pract and/or Dance Perf: Pract</td>
</tr>
<tr>
<td>DANT 110</td>
<td>Introduction to Dance</td>
</tr>
<tr>
<td>DANT 190</td>
<td>Dance Forum (7 semesters)</td>
</tr>
<tr>
<td>DANT 200</td>
<td>Improvisation</td>
</tr>
<tr>
<td>DANT 201</td>
<td>Choreography I</td>
</tr>
<tr>
<td>DANT 301</td>
<td>Choreography II</td>
</tr>
<tr>
<td>DANT 205</td>
<td>Music for Dance</td>
</tr>
<tr>
<td>DANT 372</td>
<td>Dance Kinesiology</td>
</tr>
<tr>
<td>DANT 385</td>
<td>Dance Hist: Primitive Cult through 19th Cent</td>
</tr>
<tr>
<td>DANT 386+</td>
<td>Dance History: 1900 to Present</td>
</tr>
<tr>
<td>DANT 432</td>
<td>Careers and Current Trends in Dance</td>
</tr>
<tr>
<td>THRT 115</td>
<td>Introduction to Production</td>
</tr>
<tr>
<td>DCED 212</td>
<td>Creative Movement</td>
</tr>
<tr>
<td>DCED 345</td>
<td>Exploring K-12 Dance Education</td>
</tr>
<tr>
<td>DCED 342</td>
<td>Dance Pedagogy: Modern, Jazz, Ballet</td>
</tr>
<tr>
<td>DCED 391</td>
<td>Principles of Teaching Dance</td>
</tr>
<tr>
<td>DCED 392</td>
<td>Field Experience Teaching Dance</td>
</tr>
<tr>
<td><strong>Education Courses (Minor)</strong></td>
<td>29</td>
</tr>
<tr>
<td>EDUC 110**</td>
<td>Teachers, Schools, and Society</td>
</tr>
<tr>
<td>EDUC 210**</td>
<td>Psychology of the Learner I</td>
</tr>
<tr>
<td>EDUC 250**</td>
<td>Psychology of the Learner II</td>
</tr>
<tr>
<td>EDUC 275**i</td>
<td>Integrating Tech to Support Teaching &amp; Learning</td>
</tr>
<tr>
<td>EDUC 310**</td>
<td>Working with Exceptional &amp; Diverse Learners</td>
</tr>
<tr>
<td>EDUC 390**</td>
<td>Core Issues in Teacher Education</td>
</tr>
</tbody>
</table>
In addition to the requirements for their major, students must meet requirements for the Teacher Education Program which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Student Academic Services in the Riley College of Education.

The PRAXIS II Test, Principles of Learning and Teaching (PLT) is required prior to graduation. Students may take either K-6, 5-9, or 7-12 grade levels.

Dance Education students may have to travel farther than students in other content areas for their field experience and/or internship because there are a limited number of dance education programs with certified teachers in school districts surrounding the Winthrop University campus. The Richard W. Riley College of Education and the Department of Theatre and Dance work together to place students with mentor teachers in appropriate dance education programs. Please consider the need to travel, relocate, and/or make special housing arrangements during the field experience and/or internship semesters.

The department offers the dance field experience placement during the fall semester only, requiring students to complete internship placement during the following spring semester. Students should plan their academic progress carefully in conjunction with faculty supervisors.

**Bachelor of Arts in Theatre: Performance Emphasis**

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td><strong>Critical Skills</strong></td>
<td></td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td>6</td>
</tr>
<tr>
<td>WRIT 101 &amp; CRTW 201 Composition; Critical Reading, Thinking &amp; Writing</td>
<td></td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td>3</td>
</tr>
<tr>
<td>MATH 105 (101 is prerequisite) or 150 Applied Calculus, Introductory Discrete Mathematics</td>
<td></td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td>6</td>
</tr>
<tr>
<td>MATH, CSCI, Foreign Languages, PHIL 220 or 225, SPCH 201</td>
<td></td>
</tr>
<tr>
<td><strong>Technology Requirement</strong></td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16. If a CSCI course that is approved under both Logic/language/Semiotics and Technology is taken, then it fulfills this requirement with 0 hours.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skills for a Common Experience and Thinking Across Disciplines</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HMXP 102 The Human Experience</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>0-3</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>Developing Critical Skills and Applying them to Disciplines</strong></td>
<td>19</td>
</tr>
<tr>
<td>Social Science (2 designators)</td>
<td></td>
</tr>
<tr>
<td>ECON 103~ or PLSC 201~ Intro to Political Econ or American Govt</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 101, PSYC 101, ECON, PLSC, or SOCL</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16</td>
<td>3</td>
</tr>
<tr>
<td>Humanities and Arts (2 designators)</td>
<td></td>
</tr>
<tr>
<td>THRT 386+ Theatre History and Literature II</td>
<td>0*</td>
</tr>
<tr>
<td>Elective See approved list, p. 16; must have 2 additional courses not THRA, THRT, or THED.</td>
<td></td>
</tr>
<tr>
<td>Natural Science (2 designators)</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; must include at least one lab.</td>
<td></td>
</tr>
<tr>
<td><strong>Theatre Major Courses</strong></td>
<td>48</td>
</tr>
<tr>
<td>THRT 110 Introduction to Design for Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THRT 115 Introduction to Production</td>
<td>3</td>
</tr>
<tr>
<td>THRT 210 Script Analysis</td>
<td>3</td>
</tr>
<tr>
<td>THRT 385 Theatre History and Literature I</td>
<td>3</td>
</tr>
<tr>
<td>THRT 386 Theatre History and Literature II</td>
<td>3</td>
</tr>
</tbody>
</table>
### Bachelor of Arts in Theatre with Design/Technical Emphasis

#### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101</td>
<td>Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td><strong>Critical Skills</strong></td>
<td></td>
<td>15-18</td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td>Composition; Critical Reading, Thinking &amp; Writing</td>
<td>6</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td>Applied Calculus, Introductory Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td>MATH, CSCI, Foreign Languages, PHIL 220 or 225, SPCH 201</td>
<td>6</td>
</tr>
<tr>
<td><strong>Technology Requirement</strong></td>
<td>See approved list, p. 16. If a CSCI course that is approved under both Logic/Language/Semiotic and Technology is taken, then it fulfills this requirement with 0 hours.</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>Skills for a Common Experience and Thinking Across Disciplines</strong></td>
<td></td>
<td>3-9</td>
</tr>
<tr>
<td>HMXP 102</td>
<td>The Human Experience</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>See approved list, p. 16</td>
<td>0-3</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td>See approved list, p. 16</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>Developing Critical Skills and Applying them to Disciplines</strong></td>
<td></td>
<td>19</td>
</tr>
<tr>
<td>Social Science (2 designators)</td>
<td>Intro to Political Econ or American Govt</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 101, PSYC 101, ECON, PLSC, or SOCL</td>
<td>See approved list, p. 16.</td>
<td>3</td>
</tr>
<tr>
<td><strong>Humanities and Arts (2 designators)</strong></td>
<td>Theatre History and Literature II</td>
<td>0*</td>
</tr>
<tr>
<td>Electives</td>
<td>See approved list, p. 16; must have 2 additional courses not THRA, THRT, or THED.</td>
<td>6</td>
</tr>
<tr>
<td><strong>Natural Science (2 designators)</strong></td>
<td>See approved list, p. 16; must include at least one lab.</td>
<td>7</td>
</tr>
<tr>
<td><strong>Theatre Major Courses</strong></td>
<td></td>
<td>48</td>
</tr>
<tr>
<td>THRT 110</td>
<td>Introduction to Design for Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THRT 115</td>
<td>Introduction to Production</td>
<td>3</td>
</tr>
<tr>
<td>THRT 210</td>
<td>Script Analysis</td>
<td>3</td>
</tr>
<tr>
<td>THRT 385</td>
<td>Theatre History and Literature I</td>
<td>3</td>
</tr>
<tr>
<td>THRT 386</td>
<td>Theatre History and Literature II</td>
<td>3</td>
</tr>
<tr>
<td>THRT 312</td>
<td>History of Dress and Décor</td>
<td>3</td>
</tr>
<tr>
<td>THRA 120i</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>THRA 160</td>
<td>Stage Make-Up</td>
<td>3</td>
</tr>
<tr>
<td>THRA 170, 171</td>
<td>Theatre Practicum: Scenic Studio/Costume</td>
<td>3</td>
</tr>
<tr>
<td>THRA 180</td>
<td>Technical Theatre Practicum: Running Crew</td>
<td>0</td>
</tr>
<tr>
<td>THRA 260</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
</tbody>
</table>
COLLEGE OF VISUAL & PERFORMING ARTS--THEATRE CERTIFICATION

THRA 261  Stage Lighting  3
THRA 330  Stage Management  3
THRA 331  Directing I  3
THRA 360  Scene Design  3
THRA 361  Costuming  3
Electives selected from THRA, THRT, or VCOM 120  3

Minor & General Electives  29-38
Total  124

Theatre majors must earn a grade of C or better in all courses in their major program.
1 Hours counted in the major.
* Meets Oral Communication Requirement
+ Meets Intensive Writing Requirement
~ Meets Constitution Requirement

Bachelor of Arts in Theatre with Teacher Certification (K-12)

<table>
<thead>
<tr>
<th>General Education Courses</th>
<th>Semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACAD 101 Principles of the Learning Academy</td>
<td>1</td>
</tr>
<tr>
<td>Critical Skills</td>
<td>15</td>
</tr>
<tr>
<td>Writing and Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>WRIT 101 &amp; CRTW 201 Composition; Critical Reading, Thinking &amp; Writing</td>
<td>6</td>
</tr>
<tr>
<td>Quantitative Skills</td>
<td></td>
</tr>
<tr>
<td>MATH 105 (101 is prerequisite) or 150 Applied Calculus, Introductory Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Logic/Language/Semiotics</td>
<td></td>
</tr>
<tr>
<td>MATH, CSCI, Foreign Languages, PHIL 220 or 225, SPCH 201</td>
<td>6</td>
</tr>
<tr>
<td>Skills for a Common Experience and Thinking Across Disciplines</td>
<td>3-6</td>
</tr>
<tr>
<td>HMXP 102 The Human Experience</td>
<td>3</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16.</td>
<td>0-3*</td>
</tr>
<tr>
<td>Historical Perspectives</td>
<td></td>
</tr>
<tr>
<td>THRT 385 Theatre History and Literature I</td>
<td>0*</td>
</tr>
<tr>
<td>Developing Critical Skills and Applying them to Disciplines</td>
<td>19</td>
</tr>
<tr>
<td>Social Science (2 designators)</td>
<td></td>
</tr>
<tr>
<td>ECON 103 or PLSC 201 Intro to Pol Econ or American Govt</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 101, PSYC 101, ECON, PLSC, or SOCL See approved list, p. 16.</td>
<td>3</td>
</tr>
<tr>
<td>Humanities and Arts (2 designators)</td>
<td></td>
</tr>
<tr>
<td>THED 386+ Theatre History and Literature II</td>
<td>0*</td>
</tr>
<tr>
<td>Elective Must have six additional credits not THRA, THRT, or THED</td>
<td>6</td>
</tr>
<tr>
<td>Natural Science (2 designators)</td>
<td></td>
</tr>
<tr>
<td>See approved list, p. 16; must include at least one lab</td>
<td>7</td>
</tr>
<tr>
<td>Theatre Major Courses</td>
<td>55</td>
</tr>
<tr>
<td>THRT 110 Introduction to Design for Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THRT 115 Introduction to Production</td>
<td>3</td>
</tr>
<tr>
<td>THRT 210 Script Analysis</td>
<td>3</td>
</tr>
<tr>
<td>THRT 385 Theatre History and Literature I</td>
<td>3</td>
</tr>
<tr>
<td>THRT 386 Theatre History and Literature II</td>
<td>3</td>
</tr>
<tr>
<td>THRA 120 Acting I</td>
<td>3</td>
</tr>
<tr>
<td>THRA 160 Stage Make-Up</td>
<td>3</td>
</tr>
<tr>
<td>THRA 180 Technical Theatre Practicum: Running Crew</td>
<td>0</td>
</tr>
<tr>
<td>THRA 220 Voice and Movement for the Actor</td>
<td>3</td>
</tr>
<tr>
<td>THRA 320 Acting II</td>
<td>3</td>
</tr>
<tr>
<td>THRA 330 Stage Management</td>
<td>3</td>
</tr>
<tr>
<td>THRA 331 Directing I</td>
<td>3</td>
</tr>
<tr>
<td>THRA 431 Directing II</td>
<td>3</td>
</tr>
<tr>
<td>THED 212 Creative Drama</td>
<td>3</td>
</tr>
<tr>
<td>THED 342 Theatre for Youth</td>
<td>3</td>
</tr>
<tr>
<td>THED 345 Exploring K-12 Theatre Education</td>
<td>3</td>
</tr>
<tr>
<td>THED 391 Principles of Teaching Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THED 392 Field Experience Teaching Theatre</td>
<td>1</td>
</tr>
</tbody>
</table>
Six hours selected from THRA 260, 261, 361, 170, 171  6
Education Minor Courses
EDUC 110** Teachers, Schools, and Society 3
EDUC 210** Psychology of the Learner I 3
EDUC 250** Psychology of the Learner II 3
EDUC 275** Integrating Tech to Support Teaching & Learning 2
EDUC 310** Working with Exceptional & Diverse Learners 3
EDUC 390** Core Issues in Teacher Education 3
EDUC 475 Internship in Reflective Practice 10
EDUC 490 Capstone for Educational Leaders 2

Electives 1-4
Total 126

Theatre majors must earn a grade of C or better in all courses in their major program.

*Hours counted in the major.

**C or better must be earned.

1Meets Technology Requirement
2Meets Oral Communication Requirement
+Meets Intensive Writing Requirement
~Meets Constitution Requirement

In addition to the requirements for their major, students must meet requirements for the Teacher Education Program, which include the requirements for Admission to Teacher Education, Entry to the Professional Stage, and Program Completion. For information on these requirements, consult the Student Academic Services in the College of Education.

The PRAXIS II Test, Principles of Learning and Teaching (PLT) is required prior to graduation. Students may take either K-6, or 5-9, or 7-12 grade level.

Theatre Education students may have to travel farther than students in other content areas for their field experience and/or internship because there are a limited number of theatre education programs with certified teachers in school districts surrounding the Winthrop University campus. The Richard W. Riley College of Education and the Department of Theatre and Dance work together to place students with mentor teachers in appropriate theatre education programs. Please consider the need to travel, relocate, and/or make special housing arrangements during the field experience and/or internship semesters.

The department offers the theatre field experience placement during the fall semester only, requiring students to complete the internship placement during the following spring semester. Students should plan their academic progress carefully in conjunction with faculty supervisors.
Founded on July 1, 2003, University College brings together programs focused on increasing student achievement and engagement across the university. The College coordinates and guides programs from both academic affairs and student affairs across disciplines to ensure that all Winthrop students, regardless of their ultimate goals, have a common academic foundation as they commence their course of major study.

University College is home of the Touchstone Program, Winthrop’s distinctive foundational academic experience. Winthrop’s Touchstone core—ACAD 101: Principles of the Learning Academy, WRIT 101: Introduction to Academic Discourse, HMXP 102: The Human Experience: Who Am I, and CRTW 201: Critical Reading, Thinking, and Writing—captures the dynamic quality of Winthrop’s academic environment that provides students with a framework for learning and responsible decision making that they will use throughout their lives.

Also located in University College are the Honors program, the Office of Nationally Competitive Awards, the International Center, the LEAP program, TRIO, the Pre-Major Advising Office for students who have not declared a major, and the Common Book project. In addition, the Teaching and Learning Center provides professional development opportunities for faculty and staff and orientation for faculty new to Winthrop. Programs housed in Student Life, such as Orientation and the Academic Success Communities, as well as programs in Career and Civic Engagement, coordinate with University College to enhance students’ opportunities for intellectual, civic, and personal achievement.

Programs for Superior Students—Honors Program

Honors Mission Statement. Winthrop University’s Honors Program is designed to enrich the college experience for highly talented and motivated students. Through interactions with outstanding faculty and peers, a vital community of scholars is created that embraces the pursuit of knowledge for the enhancement of intellectual and personal growth.

Distinguishing Features. The Winthrop Honors Program has evolved into one of the university’s most exciting offerings. During the first semester of the freshman year, students are invited to take honors courses based on their high school grade point average and ACT/SAT score. The program requires completion of at least 23 hours of honors courses and a service learning course/project. To receive honors credit for a course, the student must complete the course with minimum grade of B. A minimum cumulative GPA of 3.30 is required to enroll in honors courses.

Winthrop’s Honors Program courses include:

- **Symposia** that bring together talented students and exceptional teachers in a small group setting.
- **Interdisciplinary Seminars** that integrate information from different areas of study.
- **Instructional alternatives** such as team-teaching, guest lectures, or visits to sites or events associated with the subject of study.
- **Learning enrichment** through multicultural and international studies.
- **Civic engagement and service learning** in independent and cooperative settings.
- **Special privileges** including extended library checkout during honors thesis work, honors advising, and honors residence hall accommodations.

Requirements for the Honors Program Degree:

- **General Education Component**: HMXP 102H, CRTW 201H (6 credit hours).
- **Coursework Component**: Completion of 15 credit hours of honors coursework with a minimum of 6 credit hours in the major and 3 credit hours outside the major.
- **Cultural Component**: One honors symposium must be completed (1 credit hour).
- **Independent Study Component**: A senior thesis/project must be completed in the major (may count as 3 credit hours in the major or as HONR 450H - Honors Thesis for 3 credit hours) and completion of HONR 451H - Thesis Symposium (1 credit hour) at the time the thesis is written.
- **Service Learning Component**: A service learning class/project must be completed.

In addition to the Honors Program Degree, Winthrop encourages honors students to participate in international study abroad opportunities by offering an Honors Program Degree with International Experience.

Requirements for the Honors Program Degree with International Experience:

- **Same Components** as for the Honors Program Degree above.
- **International Experience**: Completion of an extended experience outside the U.S. in a learning environment. A semester of study abroad in an exchange program, or other university program, is the best and most common way to meet this requirement. The equivalent of a semester abroad, comprised of several short international experiences of at least three weeks each, will also meet this requirement.

Honors Course Categories

Honors sections of regular courses are smaller, more selective versions of standard courses. For example, instead of a lecture class with standardized tests, honors sections may consist of 15 students graded on the basis of in-
depth essays and contributions to class discussions.

**Special topics courses** are generally interdisciplinary in nature, sometimes taught by two faculty from different disciplines. Food and Power: Politics, Public Policy and Hunger; The Arthurian Tradition; and The Films of Orson Welles are examples of recent special topics courses. Such courses make it possible to cover subjects of particular interest to current honors students.

**Contracted honors courses** allow honors students to earn honors credit in subjects for which no formal honors courses are available. Any course is eligible, provided the student contracts with the professor to do work of sufficient sophistication, either in place of, or in addition to, the regular requirements of the course. A written agreement must be drawn up within the first few days of the semester and approved by the Honors Director.

**Honors symposia** are 1 credit hour special interest courses generated by faculty with expertise in a specific area. Recent Honors Symposia include: Breast Cancer, Women and Society; Nontraditional Conflict in the 21st Century; and The Individual and Community: Sources of the Sacred in American Culture.

**Independent study**, in the form of research or creative work, is required for an Honors Program degree at Winthrop. Prior to the beginning of the semester in which the work is to be undertaken, a prospectus must be approved by the faculty project director, the appropriate department chair and dean, and the Honors Director. Student researchers are encouraged to submit their findings to the National Collegiate Honors Council Conference, a meeting which brings together scholars from honors programs throughout the United States, or to the Southern Regional Honors Council Conference, a meeting of scholars from honors programs in the southeast.

**Sample Timetables**

- **Freshman:** WRIT 101H (if needed), HMXP 102H, honors course in major
- **Sophomore:** CRTW 201H, honors course, international experience* 
- **Junior:** honors course, honors symposium, service learning course 
- **Senior:** honors thesis, HONR 451H

Freshman: HMXP 102H, honors course
Sophomore: CRTW 201H, honors course, international experience*
Junior: honors course, honors symposium, service learning course
Senior: honors thesis, HONR 451H

Freshman: HMXP 102H, CRTCW 201H
Sophomore: honors course, international experience*
Junior: honors course, honors symposium, service learning course
Senior: honors course, honor thesis, HONR 451H

*required only for students who desire an Honors Program Degree with International Experience.

**Degree with Recognition – Transfer Students**

Transfer students to Winthrop can pursue an Honors Program Degree or a Degree with Recognition. Students who have participated in an honors program at an accredited four-year college or university are encouraged to continue in the Winthrop Honors Program. These students may receive honors credit for honors study completed at the other institution. With the approval of the Honors Director, students who transfer to Winthrop as sophomores may receive up to six hours of honors credit. Students transferring as juniors may receive up to nine hours of honors credit, and senior transfer students may receive up to twelve hours of honors credit.

A student who transfers to Winthrop with no previous honors hours and a minimum number of hours left to earn the degree may choose to pursue a Degree with Recognition. The Degree with Recognition Program is restricted to transfer students entering with and maintaining a 3.3 GPA, receiving transfer credit for at least 60 hours, and needing 75 hours or fewer at Winthrop. If more than 75 hours are taken at Winthrop, the student should choose to pursue an Honors Program Degree.

**Requirements for a Degree with Recognition**

In addition to meeting the eligibility requirements described in the above paragraph, a student will attain a Degree with Recognition through satisfactorily completing at least 13 credit hours of honors courses while maintaining a 3.3 GPA based on his or her total course work. Honors courses must be completed with a B or better to be accepted as honors credit. The following requirements must be adhered to:

- **General Education Component:** HMXP 102H, CRTW 201H (6 credit hours).
- **Major Component:** 6 credit hours of honors courses in the major.
- **Independent Study Component:** A senior thesis/project must be completed in the major (may count as part of the 6 credit hours in the major or as HONR 450H – Honors Thesis for 3 credit hours) and completion of HONR 451H – Thesis Symposium (1 credit hour) at the time the thesis is written.
- **Service Learning Component:** A service learning class/project must be completed.

For more information, contact: Kathy A. Lyon, PhD.
Honors Program Director
139 Bancroft Hall
803/323-2320 or lyonk@winthrop.edu
UNIVERSITY COLLEGE

The Common Book Project

Winthrop University’s Common Book Project is one of many programs designed to integrate students into the university environment and provide a common academic experience. Incoming freshmen receive information about the book at orientation and read the book during the summer. Reading the selected book is a shared experience that connects freshmen with other members of Winthrop University—a learning-centered community. The Common Book for 2009 is Growing Up by Russell Baker. Previous Common Books include Nine Hills to Nambonkaha: Two Years in the Heart of an African Village by Sarah Erdman, The Creative Habit: Learn It and Use It for Life by Twyla Tharp, The Tipping Point, by Malcolm Gladwell, A Hope in the Unseen, by Ron Suskind, and Into the Wild, by Jon Krakauer.

Distinction in Leadership Program

The Winthrop University Distinction in Leadership (DL) Program is one of the university’s most exciting interdisciplinary offerings. The program is not a major nor a minor but a didactic, experiential, and reflective program to develop leadership skills. The DL Program takes at least two years and ideally three to four years to complete. Students have various options to develop leadership skills that complement their personal and professional goals. The Distinction in Leadership program integrates Live & Learn to Lead.

Requirements for the Distinction in Leadership Program:

Live Component:

There are two parts to the live component of the DL program. The first part requires students to serve in at least three leadership roles within the Winthrop University community. The leadership positions must not all be in the same academic or calendar year. One of the positions must be a visible leadership position as determined by the Director, Leadership Studies and Development. The leadership positions must come from two of the three following categories: Student life, Academics, or Arts or Athletics. The second part of the live component is the service-learning requirement. To earn a Distinction in Leadership students must complete one of the two options listed below:

Option 1: Complete two service-learning projects in the classroom, with at least one in the student's major/minor/college.

Option 2: or one service-learning project in the major/minor/college and participate in one Winthrop University academic international experience.

Learn Component:

There are two parts to the learn component of the DL program. The first part is completion of LEAD 175 (1 credit), LEAD 475 (3 credits), and LEAD 476 (1 credit). Students must have senior status to take LEAD 475 and 476. The second part provides options for students to tailor their learning of leadership skills depending on their major and interests. Students need to take six credits from approved leadership courses or take three credits from approved leadership courses and complete two approved leadership training programs at Winthrop University. Students will be required to reflect and present the lessons of their leadership development at Winthrop University in a written and oral presentation.

Winthrop's Distinction in Leadership Program courses include:

* LEAD 175 (1 credit) Living and Learning to Lead.
* LEAD 475 (3 credits) Leadership Dynamics
* LEAD 476 (1 credit) Leadership Lab
* Option 1 - Approved Leadership Courses (6 credits) subject to approval by the Leadership Advisory Board.
* Option 2 - Approved Leadership Course (3 credits approved by the Leadership Advisory Board) and Leadership Training Programs. Completing either the Emerging Leaders or Leadership Winthrop program and completing either the Residential Assistant training program or Orientation Assistant training program.

For more information, contact:

   Sean Blackburn
   Director, Leadership Studies and Development
   5A Bancroft Hall
   803/323-3904 or blackburns@winthrop.edu

Office of Nationally Competitive Awards

The Office of Nationally Competitive Awards (ONCA) was created so that we at Winthrop University can be more intentional and pro-active about selecting the best and brightest of our student body to apply for nationally and internationally competitive awards, scholarships, fellowships, and unique opportunities both at home and abroad. There are many award opportunities for undergraduate and graduate study within both disciplinary and interdisciplinary categories. ONCA gathers and disseminates information about awards and their deadlines to all members of the campus community, as well as works with students to prepare the best portfolios possible. This office also serves as a resource for mock interviews for students, awards for faculty, and as a place to list and celebrate the competitive awards and national recognition that our students and faculty receive.
For more information, contact: Director, Office of Nationally Competitive Awards (ONCA)
5A Bancroft Hall
803/323-3906

International Center and International Student Life

Winthrop’s International Center assists students in making arrangements for study abroad. Winthrop students have the opportunity to study abroad for a semester or academic year in a number of countries including, but not limited to, Australia, Egypt, England, Finland, France, Germany, Italy, Norway, Panama, Spain, Sweden, and Taiwan. Opportunities for short-term study abroad are provided through faculty-led programs and summer programs organized by outside institutions.

The International Center is responsible for the admission of undergraduate international students and support of all international students. The Center provides an orientation to all new international students and continues to be the primary support for all international students, guests, and scholars.

Finally, the International Center coordinates and facilitates international programming, including the International Education Week, the Taste of the World, and the International Food Festival.

For more information about any of these activities, please visit the International Center in 206 Tillman Hall or online at www.winthrop.edu/international.

National Student Exchange

Winthrop students can experience the excitement of studying at another college or university for up to one year while paying Winthrop’s tuition. Exchanges with more than 170 colleges and universities throughout the United States are encouraged during a student’s sophomore or junior year. Information on the National Student Exchange is available from the NSE Coordinator located in 206 Tillman Hall, 803-323-2133.

TRiO Student Support Services Program

The TRiO SSS program at Winthrop University, first funded in 2005, is one of over 900 Student Support Services programs funded by the US Department of Education. TRiO is an academic support program designed to increase the academic performance, retention rates, and graduation rates of program participants. The TRiO program promotes academic excellence and provides participants the necessary tools to get the most of their undergraduate education, to graduate, and to seek employment and/or attend graduate school after completion of their bachelor degree.

Winthrop’s TRiO SSS program services include:

- **Academic Counseling:** Academic Counselors meet one-on-one with students to discuss their semester goals, individual learning styles, grades, academic progress, time management, etc.
- **Academic Tutoring:** Upper-class students are hired and trained by TRiO staff to assist student participants with academic course work including math, chemistry, biology, history, education, economics, etc.
- **Cultural Events:** Our staff provides free travel to and from approximately 5-7 cultural events each semester. Cultural events include performances at Blumenthal Arts Center, the Charlotte Symphony, and social gatherings where students can connect with one another.
- **College Success Workshops:** To encourage well-rounded student development, TRiO staff present interactive workshops on topics such as money management, time management, professional etiquette, resume building and preparing for graduate school.
- **TRiO Computer Lab:** The TRiO computer lab, located in the center of campus, offers FREE printing for all TRiO participants.
- **Scholarship Search Assistance:** Academic Counselors help students search for scholarship assistance to best provide for college financially.

Who is Eligible? Students who demonstrate a need for academic support, are citizens or permanent residents of the US, are enrolled or accepted for the next academic year, and meet one or more of the following requirements:

- are a first-generation college student--a student whose parents or guardians did not receive a baccalaureate degree
- meet specific federal income guidelines
- have a documented disability as defined by the ADA

Program applications can be found at www.winthrop.edu/trioss or in the TRiO offices.

For more information, contact: Rose Gray
TRiO Program Director
Suite 6, Crawford
803/323-4797 or 4794
GERONTOLOGY CERTIFICATE/MINORS

Gerontology Certificate Program

The certificate program consists of 18 semester hours. It is designed for 1) current students with a major that does not require a minor but whose career interest is in working with older adults (e.g., Social Work majors); 2) individuals with undergraduate or professional degrees seeking a credential in gerontology; 3) adults with a high school diploma who are preparing for job entry into the aging network or who are interested in the field of aging; and 4) professionals working in the aging network who want to update their knowledge in gerontology. (Social Work majors seeking a certificate in Gerontology may receive 3 hours credit for GRNT 440 as part of their required SCWK 443 Field Instruction.) The required courses are GRNT 300, GRNT 440, GRNT/SCIE 301 and GRNT/SOCL 504. Students also choose 3 hours from either PSYC 206 or GRNT/SCWK 305, and 3 hours from the following elective courses: GRNT/SOCL 304, SOCL 520, SCWK 521, SCWK 531, NUTR 221, HLTH 500, PSYC 510, or HCMT 200. Students interested in the Gerontology Certificate program must be advised by Dr. Jennifer Solomon, Coordinator of Gerontology Programs. Students enrolling in the Gerontology Certificate program are required to complete an application form and have it signed by Dr. Solomon (803-323-4658).

Minors

Each program leading to the Bachelor of Arts degree requires the completion of a minor in addition to the major program. Students may fulfill the minor requirement with one or more minors of their own choosing. The minimum number of semester hours required for a minor is 15, at least 6 of which must be in courses numbered above 299. Minors are recorded on the permanent record. No course may be included in two minors or in a major and a minor (excluding General Education courses) unless the student is pursuing a Bachelor of Science degree. In the College of Business Administration, no course may count toward a business administration major and a business administration minor. Students must achieve a 2.0 cumulative grade-point average in all courses taken at Winthrop, as well as in courses counted toward the minor and the major programs.

Non-Bachelor of Arts degree students may complete minors either through the use of elective credits or through additional credits beyond those required for the degree program.

Accounting

The minor in Accounting consists of 15 semester hours including ACCT 280, 281, 305, 306, and one of the following: ACCT 309, 401, or 509. Proficiency in computer applications equivalent to the level required for the successful completion of CSCI 101 and three from CSCI 101 A, B, C or P.

African American Studies

The African American Studies minor is an 18-hour program. Twelve of these hours are from four required courses: AAMS 300, AAMS 318/ENGL 312, AAMS/HIST 509, and AAMS/SOCL 314. Three hours must be taken from: ARTH 281, ARTH 381, AAMS/ANTH 323, AAMS/GEOG 303, AAMS 322/SOCL 320, AAMS/HIST 337, or AAMS/PLSC 338, or AAMS 339/HIST 338. The remaining three hours are to be chosen from AAMS/PSYC 320, AAMS 390, 498, AAMS/ANTH 323, ARTH 281 or ARTH 381 (only one of these courses can be taken to meet the requirement of the minor), ENGL 310, 311, 320, 321, 330, 510 (the preceding six ENGL courses to be taken only when also designated as African American Studies courses), AAMS/GEOG 303, AAMS/HIST 308, AAMS/HIST 337, AAMS 339/HIST 338, AAMS/HIST 561, MUST 203 or 514, AAMS/PLSC 315, AAMS/PLSC 317, AAMS/PLSC 338, AAMS/PLSC 518, AAMS/PLSC 551, AAMS 322/SOCL 320, SOCL 350 (to be taken only when also designated as an African American Studies course) or THRT 212.

Anthropology

The minor in anthropology consists of 18 semester hours including ANTH 201, ANTH 302, either ANTH 202 or 220, and 9 additional hours in Anthropology, six of which must be above 299. Anthropology minors may include no more than a total of three hours from any combination of ANTH 340, ANTH 463, and ANTH 464.

Applied Physics

The minor in applied physics consists of 17 semester hours of PHYS: PHYS 201-202 or 211-212; 9 hours from PHYS 301, 315, 350, 331, 332 or 321. Students with majors in biology, chemistry, computer science, and mathematics may count physics courses required by the major (PHYS 211-212 or 201-202) toward the physics minor.

Art

The minor in fine arts consists of 18 semester hours of ARTS: ARTS 101, 102, 120, and 121, and 6 hours of ARTS, ARTH, VCOM, or INDS from courses numbered above 299.

Art History

The minor in art history consists of 15 semester hours to include ARTH 175 and 176 and 9 hours above 299. INDS 337 and 338 may be counted toward this minor. Because no course may be included in a major and a minor, students majoring in Art or Interior Design and minoring in Art History must complete 15 semester hours in ARTH beyond those required for the major.
**Biology**
The minor in biology consists of 18 semester hours of BIOL to include at least 6 hours in courses numbered above 299.

**Business Administration**
The minor in business administration consists of 18 hours of the following: BADM 180, ACCT 280, two of the following: MGMT 321, MKTG 380, FINC 311; two of the following, one of which must be above 299: ACCT 281, CSCI 207, ECON 215, ECON 216, HCMT200, QMTH 205 or any course above 299 in ACCT, BADM, ECON, ENTR, FINC, HCMT, MGMT, or MKTG. Proficiency in computer applications equivalent to the level required for the successful completion of CSCI 101 and three from CSCI 101 A, B, C or P.

**Chemistry**
The minor in chemistry consists of 18 semester hours of CHEM to include at least 6 hours in courses numbered above 299. Chemistry courses required for other majors can also be counted for the chemistry minor.

**Coaching**
The minor in coaching consists of 17 hours which must include: ATRN 151, PHED 242, 267, 361, 393, 465, and 548 or 571. The remaining hours are to be selected from any courses not chosen to meet the above requirements and/or PHED/NUTR 208, PHED 382, 384, 480, 525, 548, 571, and HLTH 501.

**Computer Science**
The minor in computer science consists of 18 semester hours of CSCI: CSCI 207-208 and 271 and 7 additional hours of CSCI to include 6 hours in courses numbered above 299. CSCI 101 and 151 may not be used to fulfill the Computer Science minor.

**Dance**
The Dance minor is a 21-hour program: Technique - 3 credit hours in Modern Dance and 2 credit hours in Ballet; DANT 200, DANT 298, DANA 251 or 252, DANA 258; two additional hours selected from DANA 443 or 444; and 8 credit hours of DANT/DANA electives.

**Economics**
The minor in economics consists of 15 semester hours of ECON to include ECON 215 and 216. The additional 9 hours will be selected from ECON 315, 316, 331, 335, 343, 345, 415, 521 or approved replacement courses. No course may be included in two minors or in a major and a minor.

**English**
The minor in English consists of 18 semester hours of ENGL to include: ENGL 300; 6 hours selected from ENGL 203, 208, 211; and 9 hours in courses numbered above 299.

**Entrepreneurship**
The minor in Entrepreneurship consists of 15 semester hours from the following: ACCT 280, MKTG 380, ENTR 373, 374 and 473. Proficiency in computer applications equivalent to the level required for the successful completion of CSCI 101 and three from CSCI 101 A, B, C or P. Courses numbered above 299 must be taken after the student achieves junior status.

**Environmental Studies**
The minor in environmental studies will consist of ENVS 101 and at least 15 hours of courses to be selected from the following: ANTH 540, BIOL 323, CHEM 101 or 117, ECON 343, ENVS 510, GEOG 305, 500, HIST 530, PHIL 340, PHYS 105, PLSC 325, PSYC 311, and SOCL 310. At least 6 hours must be above 299.

**French**
The minor in French consists of 18 semester hours of FREN to include FREN 201, 202, 250, and 9 hours in courses numbered above 202. May include MLAN 330 or 530. (FREN 101-102, or the equivalent, are prerequisites for all other FREN courses; however, they may not be applied toward fulfillment of requirements in the minor.)

**General Science**
The minor in general science consists of at least 18 semester hours of coursework selected from BIOL, CHEM, GEOL, or PHYS, to include PHYS 201-202 or 211-212. Courses included in a major may not be counted in the general science minor. At least 6 hours must be in courses numbered above 299.

**Geography**
The minor in geography consists of 15 semester hours of GEOG to include GEOG 101 and at least 6 hours in courses numbered above 299.
MINORS

Geology
The minor in geology consists of 18 semester hours in GEOL, including GEOL 110 and 113, and at least 6 hours in GEOL courses numbered above 299.

German
The minor in German consists of 18 semester hours in GERM to include GERM 201, 202, and 12 hours in courses numbered above 202. May include MLAN 330 or 530. (GERM 101-102, or the equivalent, are prerequisites for all other GERM courses; however, they may not be applied toward fulfillment of requirements in the minor.)

Gerontology
The minor in Gerontology consists of 18 semester hours. The required courses are GRNT 300, GRNT 440, and GRNT/SCIE 301. Students also choose 6 hours from either PSYC 206, GRNT/SCOL 504, or GRNT/SCWK 305; and 3 hours from the following elective courses: GRNT/SCOL 304, SOCL 520, SCWK 521, SCWK 531, NUTR 221, HLTH 500, PSYC 510, OR HCMT 200. Students interested in the Gerontology minor must be advised by Dr. Jennifer Solomon, Coordinator of Gerontology Programs. Contact Dr. Solomon at 803-323-4658.

Health
The minor in health consists of 19 semester hours to include 9 hours from HLTH 500, 501, 506 and 507; and 10 additional hours selected from HLTH 300, 303, 500, 501, 503, 506, 507, PHED 231, 320, 361, BIOL 307-308, NUTR 221, NUTR 231, NUTR 370, GRNT 300, or SOCL 304. (HLTH 303 has a prerequisite of admission to the Teacher Preparation program.)

Health Care Management
The minor in Health Care Management consists of 15 semester hours as follows: BADM 180, HCMT 200, 300, 302, and 303.

History
The minor in history consists of 18 semester hours in HIST: 6 hours from HIST 111, 112, 113; HIST 211 and 212, and at least 6 hours in courses numbered above 299.

Human Nutrition
The minor in human nutrition consists of 15 semester hours of course work in human nutrition, approved by Chair, Department of Human Nutrition, and CHEM 105, 106, 108 or equivalent courses.

Human Resource Management
The minor in human resource management consists of 18 semester hours of management courses to include: MGMT 321, 322, 325, 422, 523, 524, and 526. Note that PSYC 101 is prerequisite for MGMT 325 and MGMT 321 is a prerequisite for all other courses. All courses in this minor must be taken after the student achieves junior status.

International Studies
The minor in International Studies (INTS) requires 18 hours of internationally-themed, interdisciplinary course work, at least 9 hours of which must be taken within a comparative or regional focus category (Comparative, Africa/Middle East, Latin/South America, Europe, Asia). The 18 hours must span at least 3 designators. At least 6 hours must be taken at Winthrop, and at least 6 hours must be above 299-level. Additional requirements include foreign language proficiency at the 102 level and engagement with a foreign culture as demonstrated through one of the following three choices: study abroad or travel course (abroad), domestic service learning relevant to INTS, or 6 hours advanced language study (i.e., beyond the 102 level). The minor is designed to be flexible and to accommodate fluctuating course offerings, here and abroad. Therefore, courses can be approved for minor credit by the INTS advisory committee, and potential and current minors must schedule advising with the Coordinator. See http://www.winthrop.edu/artscience/interdisciplinaryminors.htm for additional information and course lists.

Marketing
The minor in Marketing consists of 15 hours to include: ACCT 280, MKTG 380, MKTG 381, and any two of the following: MKTG 382, 481, 482, 483, 581, or BADM 561. Taking MKTG 482 requires a prerequisite of QMTH 205-206 or appropriate substitutes. In addition, proficiency in computer applications equivalent to the level required for the successful completion of CSCI 101 and three from CSCI 101 A, B, C or P. Courses above 299 must be taken after the student achieves junior status.

Mathematics
The minor in mathematics consists of 18 semester hours of MATH to include MATH 201, MATH 202 (requires co-requisite of MAED 200), and MATH 300, and at least 7 additional semester hours in MATH courses numbered above 299.
Music
The minor in music consists of 24 semester hours of music courses (MUSA and MUST): MUST 111-112 and MUST 113-114 (111 and 113 are to be taken together; 112 and 114 together); MUST 305, 306 and 307; 4 semesters of private instruction in one instrument; and 3 semester hours of music courses numbered above 299. (Students may not count additional private lessons or MUST 315). Music minors must demonstrate a proficiency in an an instrument (or voice). Potential music minors must schedule a meeting with the Chair of the Department of Music prior to declaring a minor in music.

Peace, Justice, and Conflict Resolution Studies
The minor in Peace, Justice, and Conflict Resolution Studies consists of 18 semester hour to include: PEAC 200; 3 hours of International Relations from ANTH 301; MCOM 302; PLSC 205, 207, 260, 339, 504, 506, 508; 3 hours of Social Movements from AAMS /HIST 308, AAMS /HIST 509, HIST 302, 310, 501; PLSC 312, 325, 337; SOCL 310, 332; 9 hours of electives from AAMS/HIST 308, AAMS/HIST 509; AAMS/PLSC 551; ANTH 301; CMVS 201; MCOM 302; HIST 302, 310, 410, 501; PLSC 205, 207, 260, 325, 339, 504, 512; PLSC/AAMS 557, PLSC/WMST 553; SOCL 101, 301, 310, 313, 332, 335, 515; PHIL 230, 315, 340; and PSYC 507, to include at least 6 hours above the 299 level.

Philosophy
The minor in philosophy consists of 18 semester hours of PHIL: PHIL 201, 220 or 225, 301 or 302 and 9 additional hours, 3 of which must in courses numbered above 299.

Philosophy and Religion
The minor in philosophy and religion consists of 18 semester hours of PHIL and RELG, to include PHIL 201, RELG 201, and 12 additional hours, 6 of which must be in courses numbered above 299.

Political Science
The minor in political science consists of 18 semester hours of PLSC to include PLSC 201; PLSC 205 or 207; one of the following: PLSC 351, 352, 355, 356, 551, or 553; and 9 additional hours at least 3 of which are numbered above 299. PLSC 350 is recommended.

Psychology
The minor in psychology consists of 18 semester hours of PSYC. Psychology minors must take PSYC 101 and at least 6 hours above 299.

Religion
The minor in religion consists of 18 semester hours of RELG: RELG 201, 220, 300 and 9 additional hours, 3 of which must be in courses numbered above 299.

Secondary Education
Students who major in biology, English, history, mathematics, and political science, and wish to be certified to teach in secondary schools may select a minor in secondary education. The minor consists of 29 EDUC semester hours: EDUC 110, 210, 250, 275, 310, 390, 475, and 490 and appropriate prerequisite and corequisite courses.

Social Sciences
The minor in social sciences consists of at least 18 semester hours of courses in ANTH, ECON, GEOG, HIST, PHIL, PLSC, PSYC, SOCL, or RELG to include at least 6 hours in courses numbered above 299. A student may not include in the social sciences minor any courses with the designator of the major or majors. To receive credit for the social sciences minor, students must also complete a course dealing with social sciences methodology (ANTH 341, 345, ECON 215, HIST 300, PLSC 350, PSYC 302, or SOCL 316). The methodology requirement may be satisfied through major requirements; however, 18 hours, excluding courses with the designator of the major, are required for the completion of the minor.

Social Welfare
The minor in social welfare is primarily intended for students who plan to enter a related field or who are simply interested in the field of social work because of its significance to modern society. The minor is not a professional degree program. It consists of 19 semester hours of social work to include SCWK 200/201, 202, 321, and 9 hours of social work electives.

Sociology
The minor in sociology consists of 18 semester hours of SOCL: SOCL 101 or 201, and at least 15 additional hours in SOCL, six hours of which must be courses numbered above 299. Both SOCL 101 and 201 can be applied toward the minor requirements. Sociology minors are limited to a total of three hours credit in SOCL463-464 or SOCL 340 towards the sociology minor.
**MINORS**

**Spanish**

The minor in Spanish consists of 18 semester hours in SPAN to include SPAN 201, 202, 250, and 9 hours in courses numbered above 202. May include MLAN 330 or 530. (SPAN 101-102 or the equivalent are prerequisites for all other SPAN courses; however they may not be used toward fulfillment of requirements in the minor.)

**Theatre**

The minor in theatre consists of 21 semester hours: THRT 110, 115, 210, THRA 120, 180, and 9 hours from any other THRT or THRA courses.

**Women's Studies**

The minor in women’s studies consists of 18 semester hours, WMST 300 and five additional courses.

Choose **9-15 hours from:**


Choose **0-6 hours from:**

ANTH 201, 540, GEOG 101, 350, HLTH 506, PSYC 206, SOCL/GRNT 504, SOCL 305.

For more information, contact the Program Coordinator, Dr. April Gordon.

*may be taken under WMST designator.

**Writing**

Students completing the writing minor will earn 18 semester hours and may emphasize either creative writing or professional writing. Either option must choose 6-9 hours from WRIT 300, 350, 351, 500, 501, 510, ENGL 303, 507. Students choosing the **creative emphasis** choose **6-9 hours** from WRIT 307, 316, 507, 516, 530 and **0-6 hours** from ENGL 317, 325, 501 or 504; or ENGL 310, 320, or 510 if done on an appropriate topic (department chair permission required). Students choosing the **professional emphasis** choose **9-12 hours** from WRIT 366, 465, MCOM 241, 302, 340, 341, 370, 471, BADM 180, MGMT 355, 411, IMCO 105.
Courses of Study

The following pages contain a listing of courses existing at the time of the catalog printing. Courses are listed alphabetically. Not all courses will be available every semester or summer session. Course offerings are available online through the Records and Registration homepage and on Wingspan prior to each registration. Students should consult the online listing prior to each registration.

Winthrop University reserves the right to withdraw any course listed in the online schedule of courses if the administration determines the course does not have an adequate enrollment. The university also reserves the right to establish limits on the enrollment for any course or course section. For the most current and up-to-date information on courses, please go to the Wingspan web page at https://wingspan.winthrop.edu.

For further information about courses listed in this chapter, consult the dean of the college or the chair of the department offering the course.

In this section, the following information is given about each course: the number; the title; the semester hour value; the number of clock hours per week required, if different from semester hour value; brief description; restriction of credit (if any); prerequisites or other restrictions on enrollment; and the semester the course is offered. If none is stated, the only restriction on enrollment is that indicated by the number of the course (see Classification of Courses below.)

The first of the figures enclosed in parenthesis immediately following the title of a course indicates the number of semester hours credit given for the course; the second and third figures (if given) indicate the number of lecture and laboratory (or studio) hours normally scheduled each week for one semester in the course. If only one figure is given, there are as many clock hours required per week as there are semester hours of credit for the course (unless the course description states otherwise.) For example, (3) indicates that the course carries three semester hours of credit and meets for three clock hours per week; (1:3) indicates that the course carries one semester hour credit but meets three clock hours per week; (4:2:4) indicates that the course carries four semester hours credit but meets two lecture hours and four laboratory (or studio) hours per week.

When two courses are listed as one, a hyphen(-) between the course numbers indicates the first is a prerequisite of the second. A comma (,) between the course numbers indicates that the first is not a prerequisite of the second.

Classification of Courses

Courses are classified by number:

101 - 299  beginning courses, primarily for freshmen and sophomores;
300 - 399  intermediate courses, primarily for sophomores and juniors;
400 - 499  specialized courses, primarily for juniors and seniors;
500 - 599  advanced courses, primarily for juniors, seniors and graduate students;
600 - 699  advanced courses for graduate students only (listed in the Graduate Catalog)
<table>
<thead>
<tr>
<th>Academy</th>
<th>ACAD</th>
<th>Integrated Marketing Communication</th>
<th>IMCO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>ACCT</td>
<td>Interior Design</td>
<td>INDS</td>
</tr>
<tr>
<td>African American Studies</td>
<td>AAMS</td>
<td>International Area Studies</td>
<td>INAS</td>
</tr>
<tr>
<td>Anthropology</td>
<td>ANTH</td>
<td>Italian</td>
<td>ITAL</td>
</tr>
<tr>
<td>Art</td>
<td>ARTS</td>
<td>Japanese</td>
<td>JAPN</td>
</tr>
<tr>
<td>Art Education</td>
<td>ARTE</td>
<td>Latin</td>
<td>LATN</td>
</tr>
<tr>
<td>Art History</td>
<td>ARTH</td>
<td>Leadership Studies</td>
<td>LEAD</td>
</tr>
<tr>
<td>Art Theory</td>
<td>ARTT</td>
<td>Management</td>
<td>MGMT</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>ATRN</td>
<td>Marketing</td>
<td>MKTG</td>
</tr>
<tr>
<td>Biology</td>
<td>BIOL</td>
<td>Mass Communication</td>
<td>MCOM</td>
</tr>
<tr>
<td>Business Administration</td>
<td>BADM</td>
<td>Mathematics</td>
<td>MATH</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHEM</td>
<td>Mathematics Education</td>
<td>MAED</td>
</tr>
<tr>
<td>Chinese</td>
<td>CHIN</td>
<td>Modern Languages Education</td>
<td>MLAN</td>
</tr>
<tr>
<td>Community Volunteer Service</td>
<td>CMVS</td>
<td>Music</td>
<td>MUST</td>
</tr>
<tr>
<td>Computer Science</td>
<td>CSCI</td>
<td>Music Applied</td>
<td>MUSA</td>
</tr>
<tr>
<td>Critical Reading, Thinking &amp; Writing</td>
<td>CRTW</td>
<td>Peace, Justice, &amp; Conflict Resolution Studies</td>
<td>PEAC</td>
</tr>
<tr>
<td>Critical Thinking, Quantitative Reasoning</td>
<td>CTQR</td>
<td>Philosophy</td>
<td>PHIL</td>
</tr>
<tr>
<td>Dance Applied Technique</td>
<td>DANA</td>
<td>Physical Education</td>
<td>PHED</td>
</tr>
<tr>
<td>Dance Education</td>
<td>DCED</td>
<td>Physical Science</td>
<td>PHSC</td>
</tr>
<tr>
<td>Dance Theory</td>
<td>DANT</td>
<td>Physics</td>
<td>PHYS</td>
</tr>
<tr>
<td>Digital Information Design</td>
<td>DIFF</td>
<td>Political Science</td>
<td>PLSC</td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>ECED</td>
<td>Psychology</td>
<td>PSYC</td>
</tr>
<tr>
<td>Economics</td>
<td>ECON</td>
<td>Quantitative Methods</td>
<td>QMTH</td>
</tr>
<tr>
<td>Education &amp; Curriculum &amp; Instruction</td>
<td>EDCI</td>
<td>Reading</td>
<td>READ</td>
</tr>
<tr>
<td>Education, General Professional</td>
<td>EDUC</td>
<td>Religion</td>
<td>RELG</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>ELEM</td>
<td>Science</td>
<td>SCIE</td>
</tr>
<tr>
<td>English</td>
<td>ENGL</td>
<td>Secondary Education</td>
<td>SCED</td>
</tr>
<tr>
<td>English Education</td>
<td>ENGE</td>
<td>Social Studies Education</td>
<td>SCST</td>
</tr>
<tr>
<td>Entrepreneurship</td>
<td>ENTR</td>
<td>Social Work</td>
<td>SCWK</td>
</tr>
<tr>
<td>Environmental Science/Studies</td>
<td>ENVS</td>
<td>Sociology</td>
<td>SOCL</td>
</tr>
<tr>
<td>Exercise Science</td>
<td>EXSC</td>
<td>Spanish</td>
<td>SPAN</td>
</tr>
<tr>
<td>Family &amp; Consumer Science</td>
<td>FACS</td>
<td>Special Education</td>
<td>SPED</td>
</tr>
<tr>
<td>Finance</td>
<td>FINC</td>
<td>Speech</td>
<td>SPCH</td>
</tr>
<tr>
<td>French</td>
<td>FREN</td>
<td>Sport Management</td>
<td>SPMA</td>
</tr>
<tr>
<td>Geography</td>
<td>GEOG</td>
<td>Teaching Fellows</td>
<td>TEL</td>
</tr>
<tr>
<td>Geology</td>
<td>GEOL</td>
<td>Theatre Applied Technique</td>
<td>THRA</td>
</tr>
<tr>
<td>German</td>
<td>GERM</td>
<td>Theatre Education</td>
<td>THED</td>
</tr>
<tr>
<td>Gerontology</td>
<td>GRNT</td>
<td>Theatre Theory</td>
<td>THRT</td>
</tr>
<tr>
<td>Health</td>
<td>HLTH</td>
<td>Visual Communication</td>
<td>VCOM</td>
</tr>
<tr>
<td>Health Care Management</td>
<td>HCMT</td>
<td>Vocational Education</td>
<td>VCED</td>
</tr>
<tr>
<td>History</td>
<td>HIST</td>
<td>Wellness</td>
<td>WELL</td>
</tr>
<tr>
<td>Honors</td>
<td>HONR</td>
<td>Women’s Studies</td>
<td>WMST</td>
</tr>
<tr>
<td>Human Experience</td>
<td>HMXP</td>
<td>Writing</td>
<td>WRIT</td>
</tr>
<tr>
<td>Human Nutrition</td>
<td>NUTR</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Academy (ACAD)

101. Principles of the Learning Academy (1).
This course introduces first-year students to the concepts, resources, and skills necessary for successful higher learning and facilitates the student’s adjustment to and engagement in the learning academy.
Notes: Offered in fall and spring.

102. Contextual Critical Thinking and Study Skills (1).
ACAD 102 is a second semester LEAP course which is taken in conjunction with either Writing 101 or HMXP 102. This course meets four hours per week. Students receive one credit hour for the course and it is taken on an S/U basis. In this course students will explore more fully how to think, read and write critically while working on their oral and written communication skills in small groups. All students will write drafts of each paper that is due for either their Writing 101 or HMXP course and will receive oral and written feedback from their LEAP instructor.
Corequisite(s): Writing 101 or HMXP 102.
Notes: Offered in spring.

350. Introduction to Peer Leadership (3).
Introduction to theories and concepts associated with peer leadership. The course is more than the study of leadership; it is designed to help develop leadership potential.
Notes: Offered in spring.

Accounting (ACCT)

280. Accounting Information for Business Decisions I (3).
This course is the first of a two-part course focusing on the business environment and the use of financial accounting information for decision making in various business settings. It incorporates a project that uses financial accounting concepts to help the student see the interrelation and interdependence of the various business functions as well as teaching students the basic financial accounting concepts.
Prerequisite(s): MATH 101, 105, 150 or 151 and CSCI 101 and CSCI 101B and two of CSCI 101A, C or P.
Notes: Offered in fall, spring and summer.

281. Accounting Information for Business Decisions II (3).
This course is the second of a two course series focusing on the business environment and the use of financial and managerial accounting information for decision making. This course incorporates managerial decision making through the use of a simulation project.
Prerequisite(s): ACCT 280.
Notes: Offered in fall, spring and summer.

All ACCT courses numbered above 299 have a prerequisite of junior status, an overall GPA of at least 2.00 and a grade of C- or better in HMXP 102.

303. Accounting Information Systems (3).
Basic concepts of accounting information systems including both manual and computer based systems.

304. Cost Accounting (3).
Preparation and utilization of financial information for internal management purposes: planning and special decisions, cost determination, performance evaluation and control.
Prerequisite(s): ACCT 280 and 281.

305. Intermediate Accounting I (3).
Theoretical and practical foundations of financial accounting and reporting for assets and current liabilities.
Prerequisite(s): Grade of C- or better in ACCT 281.

306. Intermediate Accounting II (3).
Accounting for long term liabilities, capital, and special transactions.
Prerequisite(s): Grade of C- or better in ACCT 305.

309. Cost Accounting (3).
Preparation and utilization of financial information for internal management purposes: planning and special decisions, cost determination, performance evaluation and control.
Prerequisite(s): ACCT 280 and 281.

401. Introduction to Tax (3).
Introduction to the concepts and methods of determining tax liability for individuals, corporations, estates and partnerships.
Prerequisite(s): C- or better in ACCT 305 or FINC 311.

491. Accounting Internship (3).
The internship in accounting provides opportunities for students to integrated course work into practical work settings. This course applies the academic and conceptual to the practical; students supervised by faculty will work a minimum of 150 hours during a semester or summer term.
Prerequisite(s): C- or better in ACCT 306 and 2.75 GPA.
Notes: Grade of S or U recorded.

502. Corporate Tax (3).
Concepts and methods of determining tax liability of corporations. Topics include ordinary income, capital gains and losses, net operating loss, reorganizations and contemporary problems in corporate taxation.
Prerequisite(s): Grade of C- or better in ACCT 306 and 401.

505. Intermediate Accounting III (3).
Special accounting topics not covered in other accounting courses. Examples of topics covered are investments, leases, pensions, revenue recognition, accounting changes and error analysis, and accounting for income taxes.
Prerequisite(s): Grade of C- or better in ACCT 306.

506. Not for Profit Accounting (3).
Fund accounting and the financial presentation and disclosure requirements of governmental and other not for profit agencies.
Prerequisite(s): Grade of C- or better in ACCT 306.

509. Auditing Principles and Procedures (3).
Internal control, test of transactions, direct tests of financial statement balances and statistical sampling, with emphasis on the auditor’s decision-making process.
AFRICAN-AMERICAN STUDIES
Prerequisite(s): Grade of C- or better in ACCT 303 and 306.

African-American Studies (AAMS)

300. Introduction to African American Studies (3).
A chronological study of the African/Black experience from a number of perspectives: history, politics, economics, sociology, psychology, religion, art, music, including a study of the evolution of black political and social thought, political engagement and protest, and the struggle to enact social change.
Notes: Offered in fall and spring.

303. Geography of Africa (3).
Geography of Africa presents Africa’s physical environment, its sociocultural diversity, its colonial heritage, and its economic development.
Prerequisite(s): GEOG 101 or 103. Sophomore status or permission of the instructor.
Notes: Cross-listed with GEOG 303. Offered in fall.

308. American Ethnic History (3).
Notes: Cross-listed with HIST 308.

314. Race and Ethnic Relations (3).
Review of sociological concepts, theories, and evidence pertaining to race and ethnicity in crosscultural, historical, and modern settings.
Notes: Cross-listed with SOCL 314. Offered in fall and spring.

315. Urban Politics (3).
The operation of government in metropolitan areas.
Prerequisite(s): PLSC 201 with grade of C or better, or permission of the instructor.
Notes: Cross-listed with PLSC 315.

317. African American Politics (3).
This course is designed to provide students with a thorough understanding of the Black political experience in the United States. It considers relevant historical background and context, the constitutional framework of American government, and the nature of interactions with the main institutions of government. What is more, the course focuses on the role and participation of Blacks in US government and politics as well as the role of political parties, independent group politics, and social movements. In the process, the course highlights the black struggle for freedom, justice, equality, and full inclusion in the American political community. The role of race, class, and gender in African American politics is a concomitant focus of the course.
Prerequisite(s): PLSC 201 with grade of C or better, or AAMS 300, or permission of the instructor.
Notes: Cross-listed with PLSC 317.

318. African American Literature (3).
Chronological survey of the writings of African Americans with emphasis on contemporary writers.
Prerequisite(s): ENGL 211 or AAMS 300 or Permission of Instructor.
Notes: Cross-listed with ENGL 312. Offered in spring.

320. Racial, Cultural and Ethnic Influences on Identity Development (3).
This course examines how race, ethnicity and culture influence the development of personal identity of self. Historical and contemporary models of ethnic, cultural and/or racial identity formation will be examined. Diversity in the developmental process and outcomes of identity formation for African Americans will be emphasized.
Prerequisite(s): AAMS 300 or PSYC 101 and WRIT 101.
Notes: Cross-listed with PSYC 320. Offered in summer.

322. Sociology of Contemporary Africa (3).
A study of society and culture in Africa today with a focus on economic and political issues; social institutions such as the family and religion; and social issues such as AIDS, gender, and the environment.
Prerequisite(s): SOCL 101 or 201 or ANTH 201 or permission of instructor.
Notes: Cross-listed with SOCL 320. Offered in spring and fall.

323. Cultures of Africa (3).
A study of African cultures which includes family life, government, economics, education, and religion.
Notes: Cross-listed with ANTH 323.

337. Early Africa (3).
This course is a general introduction to African studies and offers a cursory examination of the culture and history of the region during the pre colonial epoch. The scope of this class will be wide necessitating a selective approach that will focus upon the ways in which Africans have shaped their own past and the ways in which Africa has interacted with the world system. Throughout the course we will focus on the construction of Africa’s past in light of the varying tools and methods used to write about African antiquity. Consequently some of the major topics we will address in this course will include: historiography, methodology and interdisciplinary approach, the utility of oral tradition, population movements, religion and ideology, the Bantu expansion, Medieval African empires, trans-Saharan trade, Islam, slavery and the trans-Atlantic slave trade, Ancient Egypt and diffusionism, and the origins of Homo sapiens.
Notes: Cross-listed with HIST 337. Offered in fall.

Examination of historical and contemporary political issues, political forces, and government institutions in Africa.
Prerequisite(s): AAMS 300 or PLSC 205 and 207 or permission of instructor.
Notes: Cross-listed with PLSC 338.

339. Modern Africa (3).
This course is a general introduction to African studies and offers a cursory examination of the culture and history of the colonial period to modern times. The scope
of this class will be wide necessitating a selective approach that will focus upon the ways in which Africans have shaped their own past and the ways in which Africa has interacted with the world system. Consequently some of the major topics we will address in this course will include: the Impact of Colonialism, Negritude, Dependency theory, Imperialism, Legitimate trade, issues of Nationalism and Modernity and Africa.

Notes: Cross-listed with HIST 338. Offered in spring.

390. Selected Topics in African American Studies (3).
Topics to be chosen by the instructor.
Notes: May be retaken for additional credit. Offered variable times.

498. Independent Study in African American Studies (3).
This course is designed to allow students to study a topic in African American studies in greater depth than allowed in a traditional classroom setting or any presently existing Winthrop courses. Students will receive assignments from their supervising instructor as appropriate.
Prerequisite(s): AAMS 300 and consent of instructor.
Notes: Offered in fall, spring and summer.

509. African American History (3).
A survey of the experiences and contributions of blacks from the African origins to the present.
Notes: Cross-listed with HIST 509.

518. Politics of the American South (3).
Focuses on the unique politics of the South. It places Southern politics in its theoretical and historical context and examines the central role of race in southern politics as well as regional importance to national issues.
Prerequisite(s): PLSC 201 with a grade of C or better, or graduate status, or permission of instructor.
Notes: Cross-listed with PLSC 518.

551. African American Political Thought (3).
This course explores the historical struggle of African-Americans to assess their identity in relationship to their legal and social oppression. In reflecting on the work of Audre Lourde, W.E.B. DuBois, Frederick Douglass, Sojourner Truth, Toni Morrison, Martin Luther King, Malcolm X, Cornell West, Mark Twain and others, we will angle in on the question of black identity from a variety of perspectives. Particular attention will be paid to the relationship between these articulations of “blackness” and the historical and political settings in which they arise. Informed class discussion will be emphasized. Students are expected to write a term paper and to present it to the class.
Prerequisite(s): AAMS 300 or HMXP 102 or permission of instructor or graduate status.
Notes: Cross-listed with PLSC 551.

AFRICAN-AMERICAN STUDIES/ANTHROPOLOGY

Anthropology (ANTH)

201. Introduction to Cultural Anthropology (3).
An exploration of cultures throughout the world stressing variability in family, political and economic patterns, religion and world view.
Notes: Offered in fall and spring.

202. Introduction to Biological Anthropology (4:3:3).
A study of the evolutionary history of humans. The course examines the anatomy, behavior and ecology of fossil and living primates and the extent of modern human diversity.
Notes: Lab Fee: $20. Offered in spring.

203. Introduction to Language and Culture (3).
A study of the cultural and social dimensions of language and how language usage varies from culture to culture and context to context.
Notes: Offered in fall and spring.

220. Introduction to Archaeology (3).
This course will touch upon a broad range of scientific techniques used in the field and in the analysis of archaeological materials. The course will focus on current advances in physical and biological science (including a section on Hominid Evolution) in archeology. It will integrate scientific analysis with social-cultural interpretations of topics including field and laboratory methods in chemistry and geology, dating methods in archeology, as a survey of paleodietreconstruction techniques, material technology, bioarchaeology/forensics, and the historical development of archaeological science as applied to geological materials.
Notes: Offered in fall and spring.

301. Cross-Cultural Perspective of Human Experience (3).
A comparative study of the human experiences of kinship, symbolism, conflict and consensus, production and exchange. An advanced cultural anthropology course
Prerequisite(s): ANTH 201 or permission of instructor.
Notes: Offered in spring.

302. Anthropological Theory (3).
Survey of the masters of anthropological/sociological thought with emphasis upon contributions to contemporary socio-cultural theory.
Prerequisite(s): SOCL 101 or 201 or ANTH 201 with a C or better.
Notes: Offered in fall and spring. Open only to sociology major/minors and anthropology minors. Cross-listed with SOCL 302.

321. Cultures of Latin America (3).
A study of selected contemporary peoples of Latin America in the context of present social, political and economic changes. Special attention is given to the problems of peasantry.
Prerequisite(s): ANTH 201 or permission of instructor.
Notes: Offered in fall.
ANTHROPOLOGY

322. Ancient Civilizations of the Americas (3).
A survey of the ancient Indian civilizations of the Americas, including prehistory and social, political, and religious beliefs. Will trace the effects of contact with European civilizations.
Prerequisite(s): ANTH 201.
Notes: Offered in spring.

324. Amerindian Warfare and Ritual Violence (3).
This course explores the various theories seeking to explain why native peoples of the Americas engaged in Warfare and Ritual Violence. The ethical ramifications stemming from the reporting of such activities will also be addressed.
Prerequisite(s): ANTH 201.
Notes: Offered in spring semester.

340 A, B, C. Cooperative Education Experience (1) (2) (3).
Provides on-the-job training in a professional field related to a student’s major or career interests.
Prerequisite(s): Overall GPA 2.5 and minimum of 24 earned undergraduate semester hours. Placement objectives must be approved by Department Chair prior to enrollment.
Notes: For Anthropology minors only. Courses may be repeated for credit; however, a maximum of 3 hours may be applied toward a minor in Anthropology. A grade of S or U is recorded.

341. Fieldwork in Cultural Anthropology (3).
An experience in learning how to do research in cultural anthropology. Students learn research techniques, do fieldwork, and analyze and interpret the results.
Notes: Intensive Writing course. Offered at variable times.

345. Field Work in Archaeology (3:2:2).
The course will cover site identification and preparation, artifact documentation and preservation, and site restoration. It will include field and laboratory components.
Prerequisite(s): ANTH 220 or permission of the instructor.
Notes: Offered at variable times.

350. Special Topics in Anthropology (3).
In-depth consideration of a specific topic of particular concern in anthropology. Course will be offered under various topics, such as witchcraft and healing, and conflict resolution. It may be repeated under different topics.
Notes: Offered at variable times.

351. Cross-Cultural Topics (3).
In-depth consideration of a specific topic of particular concern in anthropology. The topics offered will be cross-cultural and international in scope. The course may be repeated under different topics.
Notes: Offered at variable times.

401. Independent Study in Anthropology (3).
This course is designed to allow students to study a topic of Anthropology in greater depth than allowed in the traditional classroom. Students will construct a formal syllabus with the supervising instructor. The syllabus must be approved by the Department Chair of Sociology and Anthropology prior to enrollment.
Prerequisite(s): Permission of Instructor and the Chair of Sociology and Anthropology is required.
Notes: Offered in fall, spring, summer.

463. Academic Internship in Anthropology (1).
Application of anthropology principles in a work setting. A candidate will complete an intern contract with faculty advisor and professional supervisor.
Prerequisite(s): For anthropology minors and sociology majors with a concentration anthropology only; prior approval by the Department Chair of Sociology and Anthropology required. Overall GPA of 2.3 and a minimum of 9 earned undergraduate semester hours in anthropology.
Notes: Anthropology minors may receive credit for either ANTH 463-464 or ANTH 340, but not both towards the anthropology minor. Sociology majors are limited to a total of three hours in ANTH 463-464, ANTH 340, SOCL463-464 or SOCL 340. A grade of S or U is recorded. Offered in fall, spring and summer.

464. Academic Internship in Anthropology (2).
Application of anthropology principles in a work setting. A candidate will complete an intern contract with faculty advisor and professional supervisor.
Prerequisite(s): For Anthropology minors and sociology majors with a concentration anthropology only; prior approval by the Department Chair of Sociology/Anthropology required. Overall GPA of 2.3 and a minimum of 9 earned undergraduate semester hours in anthropology.
Notes: Anthropology minors may receive credit for either ANTH 463-464 or ANTH 340, but not both towards the anthropology minor. Sociology majors are limited to a total of three hours in ANTH 463-464, ANTH 340, SOCL463-464 or SOCL 340. A grade of S or U is recorded. Offered in fall, spring and summer.

471. Undergraduate Research in Anthropology (1).
The course will allow students to further develop research, writing and presentation skills through faculty mentoring.
Prerequisite(s): Prior approval by an assigned faculty member and Department Chair of Sociology and Anthropology.
Notes: A grade of S or U is recorded. Offered fall, spring and summer.

472. Undergraduate Research in Anthropology (2).
The course will allow students to further develop research, writing and presentation skills through faculty mentoring.
Prerequisite(s): Prior approval by an assigned faculty member and Department Chair of Sociology and Anthropology.
Notes: A grade of S or U is recorded. Offered fall, spring, and summer.
503. Service-Learning in Anthropology (1) (3)
A themed service-learning course that will address a current social issue in society from anthropological perspective. The course will include both significant classroom and placement components.
Prerequisite(s): ANTH 201, Permission of Instructor and Chair of Sociology and Anthropology is required.
Notes: Offered variable times.

540. Ecological Anthropology (3).
A study of humans’ relationship to the environment in the past, present, and future. This course explores the biological and cultural adaptations that have allowed humans to occupy a wide range of diverse habitats.
Prerequisite(s): ANTH 201 or 202; or BIOL 203/204; or consent of the instructor.
Notes: Offered in fall of even years.

Art (ARTS)

101. Two-Dimensional Design I (3:7).
Introduction to creative design elements, line, form, space, texture, color and basic technical skills, providing a foundation for subsequent art courses.
Notes: Lab Fee: $20. Offered in fall, spring and summer.

102. Three-Dimensional Design I (3:7).
Comprehensive exploration of form, volume and space involving design, media, tools and technique.
Notes: Lab Fee: $50. Offered in fall, spring and summer.

120. Drawing I (3:7).
Introduction to drawing concentrating on the fundamentals of line, value, perspective and composition as applied primarily to representational drawing from observation.
Notes: Lab Fee: $20. Offered in fall, spring and summer.

121. Figure Drawing (3:7).
Introduction to drawing the human figure with emphasis on development of basic drawing skills of gesture, proportion, contour and action.
Prerequisite(s): ARTS 120.
Notes: Lab Fee: $100. Offered in fall and spring.

201. Two-Dimensional Design II (3:7).
Continued investigation of design and color with emphasis on understanding two-dimensional form, space, and creative visual organization.
Prerequisite(s): ARTS 101, 102.
Notes: Lab Fee: $20. Offered in fall, spring and summer.

Continued study of space, form and media with emphasis on sculpture and design.
Prerequisite(s): ARTS 102.
Notes: Lab Fee: $50. Offered in fall, spring and summer.

220. Drawing II (3:7).
An expansion of beginning drawing with increased emphasis on composition and concept using achromatic and color drawing media.
Prerequisite(s): ARTS 120.

221. Life Drawing and Anatomy (3:7).
Drawing the human form. Study of anatomy and structure of the body. Experimentation in various media.
Prerequisite(s): ARTS 121.
Notes: Lab Fee: $100. Offered in fall and spring.

Use of personal computer in the context of visual design professions. Introduces student to skills needed to creating effective and expressive images in a desktop publishing environment.
Prerequisite(s): Foundation Portfolio Review.
Notes: Lab Fee: $25. Offered in fall and spring.

305. Introduction to Photography (3:0:7).
This course introduces the non-Art major to the principles of composition as applied to Photography. Based on the use of the 35mm camera, students will learn the techniques and make effective black and white photographs. Students must have a 35mm SLR camera with manual functions.
Notes: Lab Fee: $50. For non-Art majors only. Offered in fall and spring.

311. Photo Communication (3:7).
In this course the practices of the working photojournalist are studied and skills expected of an entry-level newspaper photographer are developed. Topics include the use of camera and flash equipment for typical jobs, accurate note-taking for cut-lines, ethics as they impact the news media and an introduction to some of the major figures in the history of photojournalism. A portfolio of projects is produced, illustrating personal camera skills, as well as the ability to find pictures to accompany news stories.
Notes: Lab Fee: $50. For non-Art and Design majors only. Offered in fall.

312. The Photo Essay (3:0:7).
This course further refines the practices and skills of the working photojournalist through the production of a photo essay project. Students explore and develop a semester-long body of work with emphasis on creating a personal style. Topics include the use of camera and flash equipment appropriate to the student’s project, selecting an audience for the essay project, research and development of the essay theme, and research in the history of photojournalism to examine important individuals who have pursued similar projects. Students produce an essay portfolio, illustrating personal camera skills, as well as the ability to identify media outlets and exhibition spaces suitable for the project’s display.
Prerequisite(s): ARTS 305 or 311 or 370 with permission of the instructor.
Notes: Lab Fee: $50. Offered in fall.
ART

Exploration of the drawing approach. Creative use of composition, rendering techniques and the artist’s point of view.
Prerequisite(s): ARTS 221.
Notes: Lab Fee: $100. Offered in fall and spring.

332. Sculpture I (3:7).
Introduction to the techniques and design problems of sculpture. Experiences with appropriate processes and materials.
Prerequisite(s): ARTS 102.
Notes: Lab Fee: $60. Offered in fall and spring.

333. Sculpture II (3:7).
Study and development of the concept of form in space using primarily one material, employing various techniques.
Prerequisite(s): ARTS 332.
Notes: Lab Fee: $60. Offered in fall and spring.

Introduction to screen printing techniques including tusche drawing, stencil and photo screen printing.
Prerequisite(s): ARTS 101, 120.
Notes: Lab Fee: $60. Offered in fall and spring.

Introduction to relief printing techniques in black and white including lino-cut and woodcut.
Prerequisite(s): ARTS 101, 120.
Notes: Lab Fee: $50. Offered in fall and spring.

Introduction to basic techniques in intaglio printmaking including hard- and soft-ground etching, dry point, engraving, aqua tint and collagraph.
Prerequisite(s): ARTS 101 and 120.
Notes: Lab Fee: $60. Offered in fall and spring.

342. Painting I (3:7).
Introduction to painting with emphasis upon professional approach to content, expression, materials and media techniques.
Prerequisite(s): ARTS 101 and 120.
Notes: Lab Fee: $25. Offered in fall, spring and summer.

343. Painting II (3:7).
Emphasis upon the development of an individual point of view. Individual problems in representational and nonrepresentational painting.
Prerequisite(s): ARTS 342.
Notes: Lab Fee: $25. Offered in fall, spring and summer.

351. Ceramics I (3:7).
Introduction to the techniques and processes used in the creation of clay forms.
Notes: Lab Fee: $75. Offered in fall and spring.

352. Ceramics II (3:7).
Studio course introducing exploratory experiences in potters wheel and glazing techniques.
Prerequisite(s): ARTS 351.
Notes: Lab Fee: $75. Offered in fall and spring.

An introduction to the materials and processes of basic metal-work and jewelry design for non-Art majors. Students explore jewelry, small-scale metal-work and body adornment as a means of expression, from design to final product. Fundamental hand skills will be covered. Credit cannot be given for ARTS 354 and ARTS 355.
Notes: Lab Fee: $50. For non-Art majors only.

An introduction to the materials and processes of basic metal-work and jewelry design. Students explore jewelry, small-scale metal-work and body adornment as a means of expression. Fundamental hand skills will be covered. Craft, technique, and problem solving skills are emphasized. Coursework includes research, technical samples, drawings, three dimensional models and finished works.
Prerequisite(s): ARTS 101, 102, 120 or permission of the instructor.
Notes: Lab Fee: $75. Offered in fall and spring.

A continuation of the exploration of jewelry concepts and technologies. Techniques such as casting, basic stone-setting, color on metal, and mechanisms are introduced with emphasis on creative problem solving, craft and individual aesthetic growth. Critical analysis of work is provided in group critiques. Coursework includes visual and historical research, technical samples, drawings, three dimensional models and finished works.
Prerequisite(s): ARTS 355.
Notes: Lab Fee: $75. Offered in fall and spring.

Exploring the means for making creative images through the use of the digital camera and by scanning film-based materials, this course covers some aspects of Photoshop for making an original and personal photographic portfolio.
Prerequisite(s): ARTS 101, 120.
Notes: Lab Fee: $50. Offered in fall and spring.

370. Basic Photography (Small-Format) (3:0:7).
With instruction in the 35mm single lens reflex (SLR) camera, metering, film development and printing in black and white, this course emphasizes the use of composition and light. Skills are begun towards the development of ‘camera-vision’, where pictures effectively communicate a personal interest with a broad range of subjects. Students must have a 35mm SLR camera with manual functions.
Prerequisite(s): ARTS 101, 120.
Notes: Lab Fee: $50. Offered in fall, spring and summer.

This intermediate course builds on the technical skills and creative investigations begun in ARTS 370. Including serial imagery and the relationships between language and photography, assignments lead to
alternative forms of presentation such as installations and artists’ books. Technical instruction is provided on color slides, push-processing film, infra-red film and in the basic use of the medium-format camera. Black and white fiber printing papers are used extensively in conjunction with color toners. Students must have a tripod for this course.

Prerequisite(s): ARTS 370 (or ARTS 305 or ARTS 311, with permission of the instructor).
Notes: Lab Fee: $50. Offered in fall, spring and summer.

All ARTS (3:7) numbered above 375 have a prerequisite of junior status and the successful completion of the specialization portfolio review or permission of the Chair of the Department of Fine Arts.

420. Drawing IV (3:7).
Further continuation of the drawing sequence with emphasis on conceptual and compositional solutions to advanced drawing problems.
Prerequisite(s): ARTS 320.
Notes: Lab Fee: $10. Offered in fall and spring.

432. Sculpture III (3:7).
Study and development of kinetic forms in space with emphasis on contemporary materials and methods.
Prerequisite(s): ARTS 333.
Notes: Lab Fee: $60. Offered in fall and spring.

433. Sculpture IV (3:7).
Study of the figure as a form in space.
Prerequisite(s): ARTS 432.
Notes: Lab Fee: $60. Offered in fall and spring.

Introduction to basic techniques in stone and plate lithography.
Prerequisite(s): ARTS 336 or 337.
Notes: Lab Fee: $75. Offered in fall and spring.

Continued study in printmaking media with emphasis on more advanced traditional and contemporary techniques.
Prerequisite(s): ARTS 335, 336, or 337.
Notes: Lab Fee: $75. Offered in fall and spring.

442. Painting III (3:7).
Emphasis on the student’s personal creative expression and the continuing development of painterly skills.
Prerequisite(s): ARTS 343.
Notes: Lab Fee: $25. Offered in fall and spring.

443. Painting IV (3:7).
Continuation of the narrowing of focus to develop an individual expression.
Prerequisite(s): ARTS 442.
Notes: Lab Fee: $25. Offered in fall and spring.

Continuing explorations in hand and wheel throwing techniques. Exploratory experiences in clay body formulation and compounding glazes.
Prerequisite(s): ARTS 352.
Notes: Lab Fee: $75. Offered in fall and spring.

452. Ceramics IV (3:7).
Intermediate course study in either hand built or wheel thrown forms with an emphasis on the relationship between form and decoration.
Prerequisite(s): ARTS 451.
Notes: Lab Fee: $75. Offered in fall and spring.

A more in-depth exploration of jewelry concepts and technologies with emphases on complex construction, forming, forging, innovative material applications, and technical explorations. Critical analysis of work is provided in group critiques. Coursework includes research, technical samples, drawings, three dimensional models, finished works, and evidence of activity within the field.
Prerequisite(s): ARTS 356.
Notes: Lab Fee: $75. Offered in fall and spring.

Advanced work in jewelry and metals with emphases on the development of wearable, functional, and sculptural designs with intent, research, conceptual development and craft. Critical analysis of work is provided in group critiques. Coursework includes documentation of personal development in sketchbooks, visual research, written research, finished works and active course participation. In addition to work completed in the studio, the student will be expected to begin to develop an understanding and working knowledge of current themes in the field of contemporary jewelry, metals, and object-making as well as the history of the discipline.
Prerequisite(s): ARTS 455.
Notes: Lab Fee: $75. Offered in fall and spring.

470. Color Photography (3:7).
Developing an aesthetic awareness and technical proficiency with the creative potential of color photography, this course concentrates on making prints from color negatives. Color composition, color temperature, the use of filters and flash, are all investigated. The course aims to develop a use of color photography as a means of personal expression, as well as to build skills for working professionally. Students must have a flash for this course.
Prerequisite(s): ARTS 101, 120, 201, 371.
Notes: Lab Fee: $70. Offered in fall.

This course investigates the relationship between the individual and the social environment. Students photograph people at work and in locations that emphasize the subject’s role in society. The course includes making work suitable for newspapers, magazines and annual reports and culminates in a documentary project arranged by the student. Required equipment for this course includes a wide-angle lens and a flash.
Prerequisite(s): ARTS 371 or by portfolio review and permission of the instructor.
Notes: Lab Fee: $50. Offered in spring.
ART

473. Large-Format Photography (3:0:7).
Working primarily with 4x5" view cameras (but also having access to the 8x10" camera), students learn to use the descriptive power of the large-format negative for personal expression and creative purpose. A grounding in exposure control through the Zone System enables students to improve their understanding of the relationship between subject brightness and print tonal range. Students must have a view camera and suitable tripod for this course.
Prerequisite(s): ARTS 101, 120, 201, 371.
Notes: Lab Fee: $50. Offered in fall.

474. Studio Lighting for Photography (3:0:7).
This course gives the students a working knowledge of strobe and tungsten lighting, as used in table-to-photography, portraiture and photographing interior architecture and the human figure. It includes the methods for calculating light intensities when properly lighting a 3-dimensional object, as well as exploring creative techniques commonly exploited in studio work. Students must own a Sekonic L-408 Multimaster light meter (which provides flash, ambient light and spot readings).
Prerequisite(s): ARTS 470.
Notes: Lab Fee: $50. Offered in spring.

Photographic printing paper can be a rich material, capable of extraordinary tonal scale in and with a character of rare beauty. This course comprises the making of photographic paper by mixing light-sensitive emulsions and applying them to quality drawing paper by hand. Some of the historic processes are investigated, including Cyanotype, Van Dyke, Gum Bichromate, Platinum and Palladium. Later in the course students select one process with which to make a unified series of prints.
Prerequisite(s): ARTS 281, 470, 473 (or ARTS 473 as a corequisite).
Notes: Lab Fee: $70. Offered in spring.

480, 481. Special Topics in Art (1) (1).
Extended individual opportunities in studio art beyond existing departmental curriculum. Prerequisite(s): Permission of the Chair of the Department of Fine Arts.
Notes: Offered once per year.

482, 483, 484. Special Topics in Art (3) (3) (3).
Extends individual opportunities in studio art beyond existing departmental curriculum limits. Prerequisite(s): Permission of the Chair, Department of Fine Arts.
Notes: Lab Fee: $25. Offered on demand.

532. Sculpture V (3:7).
Development of design and technical skills in the student's specific area of interest.
Prerequisite(s): ARTS 433.
Notes: Lab Fee: $60. Offered in fall and spring.

533. Sculpture VI (3:7).
The conception and production of a unified professional body of work appropriate to a one-artist exhibition of sculpture.
Prerequisite(s): Permission of instructor.
Notes: Lab Fee: $60. Offered in fall and spring.

Advanced study in printmaking media with a concentration of image formulation through advanced techniques and multi-color printing.
Prerequisite(s): ARTS 437.
Notes: Lab Fee: $75. Offered in fall and spring.

542. Painting V (3:7).
A continuation of the study of painting to develop professional, painterly skills through individual expression.
Prerequisite(s): ARTS 443.
Notes: Lab Fee: $25. Offered in fall and spring.

543. Painting VI (3:7).
Advanced study offering a thorough grounding in the discipline of painting.
Prerequisite(s): ARTS 542.
Notes: Lab Fee: $25. Offered in fall and spring.

551. Ceramics V (3:7).
Advanced study to develop a personal approach to the ceramic object. Exploration of glaze calculation and application.
Prerequisite(s): ARTS 452.
Notes: Lab Fee: $75. Offered in fall and spring.

552. Ceramics VI (3:7).
Advanced work in ceramics culminating in the production of a body of work of professional standard. Study of kiln construction and portfolio photographic documentation.
Prerequisite(s): ARTS 551.
Notes: Lab Fee: $75. Offered in fall and spring.

A continued exploration of concepts and technique considering personal direction with emphases on technical proficiency and intentful design. Students will focus on the production, documentation and presentation of their work. Coursework includes documentation of personal development in sketchbooks, visual research, finished works and active course participation.
Prerequisite(s): ARTS 456 or permission of chair, Department of Fine Arts.
Notes: Lab Fee: $75. Offered in fall and spring.

556. Jewelry and Metals VI (3:0:7).
Focus on the development of a cohesive body of work based on a technical, conceptual and/or aesthetic theme as well as professional practices related to portfolio and exhibition of work. Coursework includes a finished body of work, participation in a solo or group exhibition, completed portfolio, evidence of related activity beyond the classroom and active course participation.
Prerequisite(s): ARTS 555 or permission of chair, Department of Fine Arts.
This course combines creative photography techniques used in the fashion industry with the financial aspects of making a living as a working photographer. Projects are designed to imitate assignments a studio photographer would typically receive, stressing individual creative solutions for a project, working to a deadline and staying within a client’s budget. Students must own a medium-format camera with flash synchronization capability.
Prerequisite(s): ARTS 474.
Notes: Lab Fee: $50. Offered in fall.

Designed for seniors, this course provides an opportunity to investigate a single topic of personal interest. By working closely with the instructor, the student’s project is devised, executed, and in the process a conceptual framework is developed. To accompany the project students learn to write an artist’s statement, how to complete a grant application for a fine-art project or develop a detailed budget for a commercial project proposal.
Prerequisite(s): ARTS 473, 474 and ARTS 472 or 475 or 572, senior status.
Notes: Lab Fee: $50. Offered in fall.

574. Photography Thesis Exhibition (3:0:7).
This course is dedicated to the production of a project for a one-person exhibition, which the student installs at the end of the semester. Building on the experience of ARTS 573, the student investigates a single topic, which may be a new project, a continuation of the earlier project, or a refined version of it. The exhibition (typically 12-15 pieces of work) is accompanied by a written artist’s statement.
Prerequisite(s): ARTS 473, 474 and ARTS 472 or 475 or 572, senior status.
Notes: Lab Fee: $50. Offered in fall.

580, 581. Special Topics in Art (1) (1).
Extends individual opportunities in studio art beyond existing departmental curriculum limits.
Prerequisite(s): Permission of chair, Department of Fine Arts.
Notes: May be retaken for additional credit. Offered on demand.

582, 583. Special Topics in Art (2) (2).
Extends individual opportunities in studio art beyond existing departmental curriculum limits.
Prerequisite(s): Permission of chair, Department of Fine Arts.
Notes: Offered on demand. May be retaken for additional credit.

584, 585. Special Topics in Art (3) (3).
Extends individual opportunities in studio art beyond existing departmental curriculum limits.
Prerequisite(s): Permission of chair, Department of Fine Arts.
Notes: Lab Fee: $50. Offered on demand. May be retaken for additional credit.

348. Introduction to Art Education (3:2:2).
This course introduces students to art education through weekly visits to P-12 classrooms to observe artistic development at different ages, guided by readings on child development in art and other related topics. Students also reflect upon their goals, values, and interests and engage in initial art teaching activities at various grade levels.
Prerequisite(s): ARTS 201, ARTS 202, ARTS 220, ARTH 176 or permission of the Instructor.
Notes: Lab fee: $15. Cross-listed with ARTE 580. Offered in spring.

An examination of various research-based programs of instructional planning, methodology, classroom management, and evaluation of teaching and learning in art, K-12.
Prerequisite(s): Admission to Teacher Education.
Corequisite(s): ARTE 392, EDUC 592.
Notes: Lab Fee: $15. Offered in fall semester.

450. Honors: Selected Topics in Art Education (3).
Independent research on a selected topic in art education, culminating in an honors thesis or project.
Prerequisite(s): 18 semester hours of education and art education and consent of the Department Chair.
Notes: Offered on demand.

482, 483, 484. Special Topics in Art Education (3) (3) (3).
An in-depth study of selected topics or problems in Art Education.
Prerequisite(s): Permission of the Chair of the Department of Fine Arts.
Notes: Offered on demand.

This course addresses philosophical and social foundations of art education, then focuses on objectives, content, teaching methods, and assessment of art at the early childhood and elementary levels. Students will develop comprehensive elementary-level lesson plans meeting diverse National and SC Visual Arts Standards.
Prerequisite(s): ARTE 348 or ARTE 580, or permission of the instructor.
Notes: Lab Fee: $15. Offered in fall.

547. Art for Classroom Teachers (3:5).
Introduction to the aims, philosophies and creative studio experiences relevant to teaching art in the elementary school.
ART EDUCATION/ART HISTORY
Prerequisite(s): Education major. Admission to Teacher Education Program.
Notes: Lab Fee: $15. Offered in fall, spring and summer.

This course reviews historical and contemporary curricula in art education, then focuses on issues in secondary art teaching. Topics include adolescent development, as well as multicultural and cross-disciplinary aspects of art. Students will develop personal philosophies of art education as well as secondary units of instruction.
Prerequisite(s): Permission of instructor. Admission to Teacher Education Program.
Notes: Lab Fee: $15. Offered in fall, spring and summer.

550. Principles of Teaching Art (3).
Study and application of skills of planning, instruction, management and assessment of students of art. Includes a review of the ethical and legal responsibilities of art teachers.
Prerequisite(s): Permission of instructor. Admission to Teacher Education Program.
Notes: Lab Fee: $20. Offered in fall, spring and summer.

580. Current Issues in Art Education (3).
Intensive examination and analysis of current issues in contemporary art education.
Prerequisite(s): Permission of instructor.
Notes: Lab Fee: $15. Offered in fall, spring and summer.

592. Field Experience in Teaching Art (1:0:8).
Students will spend a minimum of 8 hours per week in the classroom under the supervision of an art education professor and will work with a mentor teacher in preparation for the final internship experience. Activities will focus on instructional planning, teaching methodology, classroom management and evaluation of teaching and learning to complement content covered in ARTE 550.
Prerequisite(s): ARTE 348 or ARTE 580, ARTE 528, ARTE548.
Corequisite(s): ARTE 550 and EDUC 391 or EDUC 660.
Notes: Lab Fee: $15. A grade of S or U is recorded. Offered in fall.

Art History (ARTH)

175. Introduction to Art History from Prehistory Through the Middle Ages (3).
Survey of art and architecture in the major civilizations of Egypt, the Ancient Near East, Greece, Rome, Byzantium, Medieval Europe, India, China, Japan, and Africa.
Notes: Offered in fall and spring.

176. Introduction to Art History from the Renaissance to the Present (3).
Survey of art and architecture in Western Civilizations, from the Renaissance to the present.
Notes: Offered in fall and spring.

A cooperative education experience to provide training for the Art History major in a professional environment. A maximum of 6 hours of cooperative education may be applied toward the Bachelor of Arts degree.
Prerequisite(s): Passage of Sophomore Portfolio Review or special permission of the Chair of Art and Design.
Notes: Offered in fall, spring and summer.

341. Art of Ancient Greece and Rome (3).
Study of the art and architecture of Ancient Greece and Rome from the Aegean through the Late Roman Empire.
Prerequisite(s): ARTH 175 or permission of instructor.
Notes: Offered once every two years.

342. Early Medieval Art (3).
Study of the art and architecture of Europe from the Early Christian through Byzantine, Islamic, Celtic, Viking, Carolingian and Ottonian periods.
Prerequisite(s): ARTH 175 or permission of instructor.
Notes: Offered once every two years.

343. High and Late Medieval Art (3).
Study of the art and architecture of Europe from the Romanesque through Byzantine, Islamic and Gothic periods.
Prerequisite(s): ARTH 175 or permission of instructor.
Notes: Offered once every two years.

344. Italian Renaissance Art (3).
Study of the art and architecture of Italy from 1200 through 1600.
Prerequisite(s): ARTH 176 or permission of instructor.
Notes: Offered once every two years.

345. Northern European Renaissance Art (3).
Study of the art and architecture of Northern Europe from 1300 through 1600.
Prerequisite(s): ARTH 176 or permission of instructor.
Notes: Offered once every two years.

346. Baroque and Rococo Art (3).
Study of the art and architecture of the Baroque and Rococo periods from 1600 through 1800.
Prerequisite(s): ARTH 176 or permission of instructor.
Notes: Offered once every two years.

347. Neoclassicism and Romantic Art (3).
Study of the art and architecture of European and American Neoclassicism and Romanticism from 1750 through 1850.
Prerequisite(s): ARTH 176 or permission of instructor.
Notes: Offered once every two years.

348. Modernism (3).
Study of the art and architecture of Europe and America from 1850 through 1960.
Prerequisite(s): ARTH 176 or permission of instructor.
Notes: Offered once every two years.

349. History of Graphic Design & Illustration (3).
Focus on the history and evolution of style, technology, processes, and environmental factors that have affected
applied visual design and illustration. Specific emphasis on design in Western culture.
Prerequisite(s): ARTH 176.
Notes: Students may not receive credit for both ARTH 349 and VCOM 374. Offered once every two years.

350. The History of Photography (3).
This course surveys the history of photography from its technical origins up to contemporary times, tracing its perception as a purely mechanical or documentary process in the early 19th century, through its elevation to the status of'fine art' today. Class discussions on topics related to the course material and guest lectures by practising photographers will be included as time permits.
Prerequisite(s): ARTH 176.
Notes: Offered once every two years.

351. Arts of Africa (3).
A survey of the visual arts and architecture of Africa from pre-historic times to the present, with an emphasis on placing the arts within their social and cultural context.
Notes: Offered once every two years.

352. Arts of the Americas (3).
A survey of the visual arts and architecture made of ancient Mesoamerica and the Native American cultures of North America, with an emphasis on placing the arts within their social and cultural context.
Notes: Offered once every two years.

354. Arts of India (3).
Study of the art and architecture of India from prehistoric times to the present, with an emphasis on placing the arts within their social and cultural context.
Notes: Offered once every two years.

355. Arts of China (3).
Study of the art and architecture of China from prehistoric times to the present, with an emphasis on placing the arts within their social and cultural context.
Notes: Offered once every two years.

356. Arts of Japan (2).
Study of the art and architecture of Japan from prehistoric times to the present, with an emphasis on placing the arts within their social and cultural context.
Notes: Offered once every two years.

452. Women in Art (3).
Consideration of the images of women portrayed through art. The impact of feminism on art, and contributions of women artists, designers, and architects to the history of art.
Notes: Offered in fall and spring.

Study of the history, materials and methods of the creation of the book in its many forms from antiquity through the present.
Prerequisite(s): ARTH 175 or 176 or permission of instructor.
Notes: Offered once every two years.

454. Contemporary Art and Criticism (3).
An intensive writing course on the art, art theory and criticism in Europe and America from 1960 to the present.
Prerequisite(s): ARTH 175, 176, and CRTW 201.
Notes: Offered every semester.

480, 481. Special Topics in Art History (3) (3).
Study of a special problem in the history of art from antiquity to modern times, such as the individual artist, genre, theme, artistic movement or museum studies.
Prerequisite(s): ARTH 175 and 176 or permission of the instructor.
Notes: Offered on demand.

482. Special Topics in Non-Western Art (3).
Specialized study in one or more of the following: Art and Architecture of Africa, the South Pacific, North American Indian, Japan, China, India, Caribbean and Latin American and Native Americans of the Americas.
Notes: Offered in fall, spring and summer.

580. Special Topics in Art History (3).
Extends individual opportunities for study of Art History beyond existing departmental curriculum limits.
Prerequisite(s): Permission of instructor.

Art Theory (ARTT)

112. Introduction to Fine Arts (2).
This course introduces Fine Arts freshmen to skills and craft inherent in Fine Arts' disciplines including portfolio preparation; critical dialogue and communication; creative process and habits; and professional options and standards within the field.
Notes: Offered only in fall.

113. Introduction to Fine Arts Portfolio (1).
A continuation of ARTT112, Fine Arts Portfolio prepares students for portfolio preparation including traditional and digital formats.
Prerequisite(s): ARTT 112.

200. Foundation Review (0).
Review of student proficiency for acceptance in the Department of Fine Arts. Fine Arts majors including BA in Art with Teacher Certification as an Art Teacher (K-12), BA in Art, BA in Art History and all BFA concentrations must enroll in this review prior to
ART THEORY/ATHLETIC TRAINING

enrollment in ARTS courses numbered 221 and above or
ARTH courses numbered above 176.
Prerequisite(s): ARTS 101, 102, 120, ARTH 175, ARTT 112
and enrollment in 2nd semester foundation courses.

298. Art Appreciation (3).
Survey of trends in art, traditional and contemporary
styles.
Notes: Does not count toward fine art and design major
or minor. Offered in fall, spring and summer.

300. Specialization Portfolio Review (0).
Review of student proficiency for acceptance in upper-
level area of specialization. BFA students must enroll for
this review prior to enrollment in ARTS courses
numbered above 375.
Prerequisite(s): ARTT 200; completion of foundation
and specialization courses as specified for each BFA
concentration in catalog.
Notes: Offered in fall, spring and summer.

340. Cooperative Education Experience (3).
A cooperative education experience to provide training
for the ART major in a professional environment. A
maximum of 6 hours of cooperative education may be
applied toward the Bachelor of Fine Arts degree.
Prerequisite(s): Passage of Specialization Portfolio
Review or special permission of the Chair of Fine Arts.
Notes: Cross-listed with INDS 340 and VCOM 340.
Offered in fall and spring.

An introductory study and application of professional
practices and common guidelines within the art museum
and gallery environment including the care and handling
of art objects, interpretation, facility design and
exhibition organization and design.
Prerequisite(s): ARTS 101 and 102; ARTH 175 and 176; and
CRTW 201.
Notes: Offered in fall, spring and summer.

395. Art Criticism (3).
An intensive writing course with emphasis on art,
design, architecture, and art criticism.
Prerequisite(s): CRTW 201 and ARTH 175-176.
Notes: Intensive Writing course. Offered in fall and
spring.

Providing information for making a living as a fine
artist, this lecture course includes grant writing, studio
rentals, exhibitions, gallery sales and contracts,
residencies and fellowships, commissions, pricing of
artwork for sales, legal assistance, copyright issues, oral
presentations and interview skills.
Prerequisite(s): Completion of Department’s
Specialization Portfolio Review and at least junior status,
or permission of the department chair.
Notes: Lab Fee: $25. Offered in spring.

Athletic Training (ATRN)

101. Introduction to Athletic Training (2).
This course is designed for students interested in athletic
training careers. Content includes history,
professionalism, requirements for certification,
employment settings, and responsibilities of athletic
trainers.
Notes: Lab Fee: $20. Offered in fall.

151. Foundations of Athletic Training (2).
Lecture/demonstration experiences designed to expose
students to techniques and knowledge required of
athletic trainers. Topics covered include injury
classification and terminology, injury prevention, the
healing process, basic injury descriptions, initial
management of injuries, and athletic training room
operations and procedures.
Corequisite(s): ATRN 152.
Notes: Offered in spring.

152. Foundations of Athletic Training Lab (1:0:1).
Laboratory and clinical experience in athletic training.
Development of skills in taping and wrapping
techniques for management of athletic injuries.
Development of skills in protective equipment fitting.
Corequisite(s): ATRN 151.
Notes: Lab Fee: $60. Offered in spring.

201. Clinical Experiences in Athletic Training I (1:0:1).
This course provides opportunities for application of
skills in a clinical setting. All experiences are obtained
under the direct supervision of an ATC.
Prerequisite(s): ATRN 101 or permission of instructor.
Notes: Lab Fee: $20. Offered in fall and spring.

This course provides opportunities for application of
skills in a clinical setting. All experiences are obtained
under the direct supervision of an ATC. Emphasis will
be working on assessment and recognition of extremity
injuries and skills appropriate to caring for such injuries.
The student will also apply the knowledge gained with
therapeutic modalities to the care of male and female
athletes.
Prerequisite(s): ATRN 201 or permission of instructor.
Notes: Lab Fee: $20. Offered in fall and spring.

301. Clinical Experiences in Athletic Training III (2:0:4).
Clinical experience course that provides opportunities
for application of skills in an equipment intensive
clinical setting. All experiences are obtained under the
direct supervision of an ATC.
Prerequisite(s): ATRN 201 and ATRN 202 or permission
of instructor.
Notes: Offered in fall.

Clinical experience course that provides opportunities
for application of skills in a general medical setting. All
experiences are obtained under the direct supervision of
medical professionals.
Prerequisite(s): ATRN 201, 202 or permission of
instructor.
Notes: Offered fall, spring, and summer.

Lecture/demonstration experiences designed to expose students to techniques and knowledge required of athletic trainers. Topics covered include lower extremity injury recognition and evaluation, and initial management of injuries and conditions.
Prerequisite(s): BIOL 307 (may be corequisite).
Corequisite(s): ATRN 311.
Notes: Offered in fall.

311. Assessment of Athletic Injuries and Conditions: Lower Extremity Lab (1:0:1).
Laboratory experience in athletic training. Observation and practice of skills gained in lecture, including the evaluation of lower extremity injuries and conditions.
Corequisite(s): ATRN 310.
Notes: Offered in fall.

Lecture/demonstration experiences designed to expose students to techniques and knowledge required of athletic trainers. Topics covered include upper extremity and cervical spine injury recognition and evaluation, and initial management of injuries and conditions.
Prerequisite(s): BIOL 308 (may be corequisite).
Corequisite(s): ATRN 321.
Notes: Offered in spring.

Laboratory experience in athletic training. Observation and practice of skills gained in lecture, including the evaluation of upper extremity and cervical spine injuries and conditions.
Corequisite(s): ATRN 320.
Notes: Offered in spring.

Lecture/demonstration experiences designed to expose students to techniques and knowledge required of athletic trainers. Topics covered include head, trunk and spine injury recognition and evaluation, and initial management of injuries and conditions.
Prerequisite(s): BIOL 307.
Corequisite(s): ATRN 331.
Notes: Lab fee: $200. Offered in fall.

331. Assessment of Athletic Injuries and Conditions: Head/Trunk Lab (1:0:1).
Laboratory experience in athletic training. Observation and practice of skills gained in lecture, including the evaluation of head, trunk, and spine injuries and conditions.
Corequisite(s): ATRN 330.
Notes: Offered in fall.

350. Therapeutic Modalities for Athletic Training (2).
Lecture/demonstration experiences designed to expose students to the purposes, effects, and applications of therapeutic modalities for use in treating injuries and conditions in humans.
Prerequisite(s): ATRN 151.
Corequisite(s): ATRN 351.
Notes: Offered in spring.

351. Therapeutic Modalities for Athletic Training Lab (1:0:1).
Laboratory experience in the application of therapeutic modalities.
Corequisite(s): ATRN 350.
Notes: Offered in spring.

361. Advanced Emergency Care (2:0:2).
Lecture, demonstration and guided laboratory experiences are designed to expose the student to the advanced emergency care techniques and knowledge required of athletic trainers, coaches, and other allied health professionals. Upon completion of the course, the student will obtain Red Cross Professional Rescuer CPR Certification.
Prerequisite(s): PHED 361.
Notes: Offered in fall.

Clinical experience course that provides opportunities for application of skills in a clinical setting. All experiences are obtained under the direct supervision of an ATC. Emphasis will be on assessment of extremity injuries and skills appropriate to caring for such injuries. The student will also apply the knowledge gained with therapeutic modalities and therapeutic exercise/rehabilitation to the care of male and female athletes.
Prerequisite(s): ATRN 201, ATRN 202.
Notes: Offered in fall and spring.

402. Clinical Experiences in Athletic Training VI (2:0:4).
Clinical experience course that provides opportunities for application of autonomous skills in the assessment, treatment, and rehabilitation of injuries in male and female athletes in a clinical setting. All experiences are obtained under the direct supervision of an ATC.
Prerequisite(s): ATRN 201, 202, 301.
Notes: Offered in fall and spring.

450. Therapeutic Exercise and Rehabilitation for Athletic Training (2).
Lecture/demonstration experiences designed to expose students to intermediate and advanced therapeutic exercise and rehabilitation techniques for use in enhancing the recovery process following injury or illness.
Prerequisite(s): ATRN 310.
Corequisite(s): ATRN 451.
Notes: Offered in spring.

451. Therapeutic Exercise and Rehabilitation for Athletic Training Lab (1).
Laboratory experience in the design and implementation of therapeutic exercise and rehabilitation programs.
Corequisite(s): ATRN 450.
Notes: Offered in spring.
ATHLETIC TRAINING/BIOLOGY

480. Capstone in Athletic Training (2).
Lecture/demonstration experiences designed as a culminating experience for athletic training majors. Topics covered include organization and administration of athletic training programs, general medical conditions, and advanced athletic training skills.
Prerequisite(s): ATRN 330.
Corequisite(s): ATRN 481.
Notes: Offered in fall.

481. Capstone in Athletic Training Lab (1:0:1).
Laboratory experience in athletic training. Demonstration of mastery of athletic training clinical skills.
Corequisite(s): ATRN 480.
Notes: Offered in fall.

510. Pharmacology and Drug Education (3).
Includes information on substance abuse, especially as it pertains to the physically active population, and on drug education and testing programs.
Prerequisite(s): HLTH 300 or permission of instructor.
Notes: Offered in spring.

563. Medical Aspects of Sport and Related Injuries (3).
A review of selected medical aspects of sport taught by guest medical experts from community hospitals and private practice.
Prerequisite(s): ATRN 310 or permission of instructor.
Notes: Offered in fall.

Biology (BIOL)

101. Human Biology (3).
A consideration of selected aspects of the functioning of the human body and of bioethical issues related to human health, heredity and reproduction.
Notes: Offered variable times.

106. Environment and Man (3).
A study of natural and human environments, effects of humans on the environment and environmental limits and future options.
Notes: Offered variable times.

150. Elements of Living Systems (3).
A course for non-science majors that introduces the unifying principles of biology. The course will cover various levels of organization from molecules to ecosystems. Topics include ecology, energy use and acquisition, biodiversity, evolution, genetics and cells.
Notes: Offered in fall, spring and summer.

151. Investigations into Living Systems (1:0:3).
A 1-hour laboratory course for non-science majors that combines the application of scientific method with lab exercises illustrating the unifying principles of biology. Topics include scientific method, data collection, statistical analysis, behavior, ecology, genetics and cells.
Corequisite(s): BIOL 150.
Notes: Lab Fee: $40. Offered in fall, spring and summer.

202. Freshman Symposium in Biology (0).
Orientation to the Biology Department for Freshmen majors. Resources for biology majors, research opportunities, career opportunities, and Biology-related clubs, organizations, and projects are covered.
Notes: Offered in fall.

203. Principles of Biology Laboratory (1:0:3).
Laboratory for Biology 204.
Corequisite(s): BIOL 204.
Notes: Lab Fee: $30. Offered in fall, spring and summer.

204. Principles of Biology (3).
An overview of biology, focused on the cell, genetics, evolution, ecology, and animal behavior.
Corequisite(s): BIOL 203.
Notes: Offered in fall, spring and summer.

205. General Botany (4:3:3).
A comprehensive study of fundamental structures and functions of plants with detailed consideration of representatives of the major divisions.
Prerequisite(s): BIOL 150 and 151 or BIOL 204.
Notes: Lab Fee: $30. Offered in fall and spring.

206. General Zoology (4:3:3).
A comparison of representatives of the major animal phyla with emphasis on anatomy, physiology, lifestyle and life history.
Prerequisite(s): BIOL 150 and 151 or BIOL 204.
Notes: Lab Fee: $40. Offered in fall and spring.

A grade of C or better in BIOL 300 is required to enroll in all Biology courses numbered above 300 (except BIOL 303, 304, 307, 308, 340, 461, and 463).

The application of scientific method to investigations in biology, including hypothesis formulation, experimental design, data analysis, and report preparation.
Prerequisite(s): BIOL 203, 204 and either BIOL 205 or 206; HMXP 102; CHEM 105; MATH 101 or 150 or any MATH course with MATH 101 as a prerequisite. Students must have a minimum GPA of 2.00 in 200-level BIOL courses taken, and a minimum grade of C in CHEM 105 and HMXP 102.
Notes: Lab Fee: $30. Intensive Writing course. Offered in fall and spring.

303. Field Botany (4:2:4).
A study of plants in their natural environment with field trips and collection, analysis, identification and preservation of plant specimens.
Notes: Lab Fee: $30. Offered fall of even years.

304. Insect Field Studies (4:3:3).
A study of insects in their natural environment, including field trips, collections, observation, identification and specimen preparation.
Notes: Lab Fee: $40. Offered in summer.

307. Human Anatomy (4:3:3).
A study of gross human anatomy with an introduction to the microscopic organization of selected tissues and organs of the body. The laboratory portion involves dissection of animal cadavers and examination of human skeletons and models.
308. Human Physiology (4:3:3).
A study of the function of the major human organ systems. The laboratory portion of the course will examine the homeostatic mechanisms that enable the body to maintain a stable internal environment.
Prerequisite(s): HMXP 102 and General Education Math requirement; BIOL 307 is not a prerequisite; BIOL 308 may be taken before BIOL 307.
Notes: Lab Fee: $40. Offered in fall.

310. Microbiology (4:3:3).
An introductory survey of microbial activities, environment, diversity and economic importance. Bacterial and viral activities are emphasized.
Prerequisite(s): BIOL 204, 205, 206, 300 or NUTR 521; and CHEM 106, 108.
Notes: Lab Fee: $40. Offered in spring.

An in-depth study of cellular structure, function and chemical composition. The laboratory seeks to develop skills in standard laboratory techniques in cellular, molecular, physiological and environmental studies.
Prerequisite(s): BIOL 204, 205, 206, 300; CHEM 106 and 108.
Notes: Lab Fee: $50. Offered in fall and spring; summer on demand.

317. Genetics (3).
A study of the historical and contemporary aspects of the science of heredity with stress upon patterns and modes of inheritance.
Prerequisite(s): BIOL 204, 205, 206, 300; and CHEM 106, 108.
Notes: Offered in fall and spring.

318. Experimental Genetics (1:0:3).
Laboratory exercises dealing with fundamental concepts as well as recent advances in genetics.
Prerequisite(s): BIOL 204, 205, 206, 300, 317; CHEM 106, 108.
Notes: Lab Fee: $30. Offered in fall of even years.

An introduction to the study of vertebrate tissues, including techniques for slide preparation.
Prerequisite(s): BIOL 204, 205, 206, 300; and CHEM 106, 108.
Notes: Lab Fee: $30. Offered in fall.

A study of the ordered processes by which living systems, from cells to multicellular organisms, become structurally and functionally organized.
Prerequisite(s): BIOL 204, 205, 206, 300; and CHEM 106, 108.
Notes: Lab Fee: $30. Offered in spring.

Travel to tropical locations where lectures, seminars, lab and field exercises will trace a watershed from its source to the coast.
Prerequisite(s): Minimum junior status, HMXP 102, BIOL 205 or 206, or permission of instructor.
Notes: Offered in spring of odd years.

340 A, B, C. Cooperative Education Experience (1) (2) (3).
Provides on-the-job training in a professional field related to a student's major or career interests.
Prerequisite(s): Overall GPA 2.5 and minimum of 24 earned undergraduate semester hours. Placement objectives must be approved by Department Chair prior to enrollment.
Notes: For Biology majors only. A maximum of 3 hours may be applied toward a major in Biology. Credit will not be allowed for both BIOL 461/463 and 340. A grade of S or U is recorded. Offered in fall, spring and summer.

403. Ecology (4:3:3).
A study of the pattern of relations between organisms and their environment including principles applicable to populations, biotic communities, ecosystems and biosphere.
Prerequisite(s): BIOL 204, 205, 206, 300; and CHEM 106, 108.
Notes: Lab Fee: $30. Offered in fall.

404. Animal-Plant Interactions (3).
An evolutionary approach to animal-plant interactions, focusing mainly but not exclusively on invertebrates, and encompassing herbivory, pollination, seed dispersal, insect-eating plants, triffids, and tritrophic interactions.
Prerequisite(s): BIOL 203, 204, 205, 206, 300; CHEM 106, 108 or permission of the instructor for non-Biology majors.
Notes: Offered in spring of even years.

440. Readings in Biology (1).
An undergraduate seminar course in which a book or series of research papers will be read and discussed with reference to important current issues in biology.
Prerequisite(s): BIOL 300 and permission of the instructor.
Notes: A grade of S or U is recorded. Offered fall and spring.

450. Selected Topics in Biology (4).
In-depth independent inquiry into a selected biological subject.
Prerequisite(s): BIOL 204, 205, 206, 300; and CHEM 106, 108.
Notes: Lab Fee: $35. Offered in fall, spring and summer.

461, 463. Academic Internships in Biology (1) (3).
An opportunity for biology majors to earn credit for experience gained through apprenticeship work under the supervision of trained professionals.
Prerequisite(s): Open only to students majoring in biology with a GPA of 2.0 in both major and overall. Prior approval from the department and Dean of the College of Arts and Sciences is required.
BIOLOGY

Notes: Credit will not be allowed for both BIOL 461/463 and 340. A grade of S or U is recorded for these courses. Offered in fall, spring and summer.

471. Undergraduate Research in Biology (3).
Students participate in scholarly research with a faculty member. Requires approval of Departmental Chair.
Prerequisite(s): BIOL 204, 205, 206, 300; and CHEM 106, 108.
Notes: Lab Fee: $35. Offered in fall, spring and summer.

472. Undergraduate Research in Biology (3).
Students participate in scholarly research with a faculty member.
Prerequisite(s): BIOL 204, 205, 206, 300; and CHEM 106, 108.
Notes: Lab Fee: $35. Requires approval of the departmental chair. Offered in fall, spring and summer.

480. Integration of Biological Principles (3).
A series of lectures, reports, and discussions of biological principles taught in the core courses for the biology major. Historical development of unifying concepts will be analyzed.
Prerequisite(s): BIOL 204, 205, 206, 300; one course from each of the two biology areas; CHEM 106, 108; and senior standing.
Notes: Offered in fall and spring.

491, 492. Departmental Seminar (0) (0).
Presentations of biological research by invited speakers.
Prerequisite(s): BIOL 204, 205, 206, 300; and CHEM 106, 108.
Notes: A grade of S or U is recorded for these courses. Both offered in fall and spring.

495. Standardized Test Review (1).
This is a standardized test review course to help students prepare to take an entrance exam for medical school, dental school, veterinary school, or another graduate program (MCAT, VCAT, DAT, GRE, etc.).
Prerequisite(s): Junior standing and permission from the Biology Department Chair.
Notes: A grade of S or U is recorded. Offered on demand. Does not count toward the 42 hours of biology required for the major.

505. Primate Biology (3).
A study of the morphology, behavior, ecology and evolutionary relationships of primates including prosimians, monkeys, apes and hominids.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108; or ANTH 202 and permission of instructor.
Notes: Offered every odd year in fall.

507. Neuroanatomy (4:3:3).
A comprehensive study of the Central and Peripheral Nervous Systems with emphasis on the gross features of these two systems. Additionally the primary motor and sensory pathways will be studied along with the effects of trauma and disease to these systems and pathways. The laboratory portion of this class will involve dissection of horse and sheep brains, eyes and examination of plastinated specimens.
Prerequisite(s): BIOL 300 or 308 or permission of instructor.
Notes: Lab Fee: $40. Offered in even spring semesters.

An introduction to the biology of invertebrate animals with emphases on their physiology, anatomy and evolutionary relationships.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108.
Notes: Lab Fee: $35. Offered every odd year in spring.

A course covering the evolution, distribution, ecology and physiology of all classes of fish, amphibians, reptiles, birds and mammals.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108.
Notes: Lab Fee: $30. Offered every odd year in spring.

A lecture and field course in bird evolution, ecology, behavior and field identification.
Prerequisite(s): BIOL 204, 205, 206 and 300 or permission of instructor.
Notes: Lab Fee: $30. Offered in summer.

513. Organic Evolution (3).
A study of the mechanism of change in the genetic constitution of populations over time with consideration of historical progress toward our present understanding.
Prerequisite(s): BIOL 204, 205, 206, 300 and 317; CHEM 106 and 108.
Notes: Offered variable times.

A study of the ways by which human activity alters natural ecosystems and affects human health.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108.
Notes: Lab Fee: $35. Offered in spring.

517. Human Genetics (3).
A comprehensive study of human genetics, especially covering the area of single gene defects, chromosome disorders, cancer, multifactorial inheritance, immunogenetics, behavior and populations.
Prerequisite(s): BIOL 204, 205, 206, 300 and 317; CHEM 106 and 108.
Notes: Offered in fall.

518. Animal Behavior (3).
A study of the mechanisms and patterns of animal activity, including principles of sociobiology.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108.
Notes: Offered every even year in spring.

519. Mechanisms of Disease (3).
A study of disease cause and progression in humans and animal models at the cellular, molecular and organismal levels.
Prerequisite(s): BIOL 300 and 315 or by permission of department chair.
BIOLOGY/BUSINESS ADMINISTRATION

Notes: Offered in fall of even years.

521. Cytogenetics (4:3:3).
A comprehensive study of the chemical and physical
properties of chromosomes and their behavior and role
in inheritance.
Prerequisite(s): BIOL 204, 205, 206, 300 and 317; CHEM
106 and 108.
Notes: Lab Fee: $30. Offered every on demand.

522. Immunology (4:2:4).
A study of immunity, of the nature and molecular aspects
of the immune response, and of antibodies in the
laboratory.
Prerequisite(s): BIOL 204, 205, 206, 300, and 315 or CHEM
523; CHEM 106 and 108.
Notes: Lab Fee: $40. Offered in spring.

524. Advanced Botany (3).
Relationship of morphology and physiology to
environmental factors that limit plant distribution and
growth.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106
and 108.
Notes: Offered variable times.

525. Mycology (4:3:3).
Survey of major fungal toxins with emphasis on field
collection, identification, structural and functional
studies; and methods of laboratory culture and
experimentation.
Prerequisite(s): BIOL 204, 205, 206, 300 and 310; CHEM
106 and 108.
Notes: Lab Fee: $35. Offered variable times.

A survey of the population biology of plants and
animals. Emphasizes the assessment and analysis of
demographic factors (age, size and community
interactions) that determine the abundance, distribution
and diversity of natural populations.
Prerequisite(s): BIOL 300.
Notes: Lab Fee: $30. Offered every odd year in fall.

Introduction to theory and methods used in studying
biological and materials science-specimens by scanning
and/or transmission electron microscopy.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106
and 108, and CHEM 301, 302, 303, 304 or CHEM 310 and
311.
Notes: Lab Fee: $50. Offered every even year in spring.

540. Special Topics in Biology (3).
A detailed examination of specific subjects in biology.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106
and 108; or graduate status; or permission of instructor.
Notes: May be retaken for credit when different subjects
are taught. Offered variable times.

555. Molecular Biology (3).
A comprehensive, one-semester study of the molecular
basis of life. The course includes the structure and
function of macromolecules, synthesis and interactions of
biologically important molecules, molecular genetics,
biochemical energetics, enzymatics, and molecular
mechanisms in biological systems. This course is
intended for students who plan to enter into a health-
professional graduate program (medical school,
veterinary school, dental school, medical technology), or
a graduate program in biology.
Prerequisite(s): BIOL 300, CHEM 301.
Notes: Offered in fall of odd years.

560. Bioinformatics (3).
An introduction to the application of computing tools for
the study of macromolecules and the reconstruction of
the evolutionary history of genes and organisms. This
course will apply the use of computer algorithms and
computer databases to study proteins, genes, and
genomes.
Prerequisite(s): BIOL 300 and one of the following: BIOL
315, 555, 556, or CHEM 523.
Notes: Offered every even year in fall.

Business Administration (BADM)

180. Contemporary Business Issues (3).
An introduction to management issues emphasizing the
integrative aspects of the functional areas of business.
This course will serve as a foundation for a student’s
business education.
Notes: Lab Fee: $30. Offered in fall and spring.

All BADM courses numbered above 299 have a
prerequisite of junior status, an overall GPA of at least
2.00 and a grade of C- or better in HMXP 102.

340 A, B, C. Cooperative Educational Experience (1) (2)
(3).
Provides on-the-job training in a professional field
related to a student’s major or career interests.
Prerequisite(s): Overall GPA 2.5 and minimum 24 earned
undergraduate semesters hours (12 earned at Winthrop
University).
Notes: For Business Administration majors only.
Courses may be repeated for credit; however a
maximum of 3 hours may be applied toward a degree in
Business Administration. A grade of S or U is recorded
for this course.

350. Legal Environment of Business (3).
Basic legal concepts and the judicial system with
emphasis on business law.

400. International Field Experience (3).
On-site study of business, government institutions, and
financial markets within dominant and emergent
international trade groups of nations.
Prerequisite(s): Junior status.
Notes: Course may be repeated for credit.

450. Honors: Selected Topics in Business Administration
(3).
Notes: Offered on demand.
492. Internship in International Business (3).
The internship in international business provides opportunities for student to integrate course work into practical work settings. This course applies the academic and conceptual to the practical; students supervised by faculty, will work a minimum of 150 hours during a semester or summer term.
Prerequisite(s): Two from MGMT 529, MKTG 581, FINC 514, ECON 521; Business majors only.
Notes: Permission of instructor required. A grade of S or U is recorded.

501. Estate Planning (3).
The study of wills, real estate, life insurance, and the federal income and estate gift laws.
Prerequisite(s): ACCT 280. ACCT 281 recommended.

510. Sport Law (3).
The study of state and federal laws and regulations that control and impact professional and amateur sport activities.
Prerequisite(s): ACCT 280, SPMA 101, and PHED 525.
Notes: Offered in spring.

561. Electronic Commerce for Managers (3).
This course focuses on the management of e-commerce and its major opportunities, limitations, issues and risks. Since e-commerce is interdisciplinary, professionals in any functional area will find it of interest.
Prerequisite(s): MGMT 341 or MGMT 661.

This course provides lectures, panel discussions and site visits relevant to the world of business through the participation in a weeklong seminar series in New York City and Washington, D.C. and other possible locations.
Prerequisite(s): ACCT 280. ACCT 281 recommended.

581. Special Topics in Business Administration (3).
A study of a topic in the area of business administration.
Prerequisite(s): Permission of instructor.
Notes: Course maybe repeated for credit.

595. Research in Business Administration (3).
Prerequisite(s): Permission of dean, College of Business Administration.
Notes: May be retaken for additional credit.

Chemistry (CHEM)

In the following listing of courses, the lecture and laboratory courses are listed separately. Concurrent registration on the same grade and credit basis or prior passing of corequisite courses is required. Concurrent dropping or withdrawal of corequisite courses, if necessary, is also required.

A student may not receive credit in both of the following pairs of courses: CHEM 310 and either CHEM 301 or 302, CHEM 311 and either CHEM 303 or 304.

101. Applying Chemistry to Society (3).
Applying Chemistry to Society is a course designed to familiarize the student with the basic principles of chemistry and how these principles apply to the world around us.

104. Chemistry and Problem-Solving Fundamentals (3).
Preparation for the study of General Chemistry through emphasis on problem-solving strategies, on application of chemical principles, and on substantive student practice in solving multi-concept problems. Content includes matter and energy, modern atomic structure; chemical equations and reaction stoichiometry; solutions; acid-base, redox and precipitation reactions; factor-label techniques; gases; and chemical nomenclature methodology.
Prerequisite(s): Major in BIOL, CHEM, CSCI, ENSC, NUTR, or Department Chair approval.
Notes: Offered variable times.

105. General Chemistry I (4).
An introductory chemistry course for those who intend to major in the sciences. Four lecture hours and one recitation per week.
Prerequisite(s): One unit of high school algebra. Recommended SAT MATH score of 500.
Notes: Offered in fall and spring.

106. General Chemistry II (3).
An introductory chemistry course for those who intend to major in the sciences.
Prerequisite(s): A grade of C or better in CHEM 105.
Corequisite(s): CHEM 108.
Notes: Offered in fall and spring.

108. General Chemistry Laboratory (1:1:3).
A cooperative approach to general chemistry experimentation involving investigation of acid-base reactions, solubility, thermodynamics, enzyme kinetics, and organic sample analyses with modern NMR and IR instrumentation.
Prerequisite(s): CHEM 105
Corequisite(s): CHEM 106.
Notes: Lab Fee: $100. Offered in fall and spring.

117. Introductory Environmental Chemistry (3).
A lecture course to develop a fundamental chemical understanding of modern environmental issues involving air, water, toxic substances, and energy. Students will be expected to demonstrate a technical literacy with issues such as photochemical smog formation, global warming, ozone depletion, acid rain, visibility and aerosols, toxic substances in the environment, water quality and treatment, pesticides, acute/chronic effects of toxic chemicals on humans, environmental tradeoffs involving current and alternative means of energy production, pollutant transport, and environmental problems facing rapidly growing metropolitan regions.
Notes: Offered as needed.

301. Organic Chemistry I (4).
Study of the structure, preparation and chemical and physical properties of organic compounds.
Prerequisite(s): A grade of C or better will be required in all of the following: CHEM 106, 108.
Notes: Offered in fall and spring.
302. Organic Chemistry II (3).
Study of the structure, preparation and chemical and
physical properties of organic compounds.
Prerequisite(s): A grade of C or better in the following:
CHEM 301.
Corequisite(s): CHEM 304.
Notes: Offered in fall and spring.

304. Organic Chemistry Laboratory (1:0:3).
Corequisite(s): CHEM 302.
Notes: Lab Fee: $100. A student may not receive credit
for CHEM 311 (or equivalent) and CHEM 304. Offered in
fall and spring.

305. Chemical Hygiene and Safety (1).
A course in chemical hygiene and safety. Topics covered
include chemical storage, chemical hygiene plans,
labeling, response procedures, MSDS’s, clean-up
techniques, right-to-know requirements, TLV’s, chemical
hazards, and lab safety procedures.
Prerequisite(s): C or better in each of the following:
CHEM 105-108, CHEM 301-304.
Notes: Offered in spring.

310. Essentials of Organic Chemistry (3).
A one-semester introduction to organic chemistry
primarily for environmental science, human nutrition,
and biology majors who will not be completing the
CHEM 301/302 sequence. This course is designed to
provide a background in the nomenclature, structure,
physical properties, and functional group chemistry of
several important classes of organic compounds,
including biologically important organic compounds, as
well as their relevance to the health and environmental
sciences.
Prerequisite(s): CHEM 106 and 108 with a grade of C or
above.
Corequisite(s): CHEM 311.
Notes: Students may not receive credit for both CHEM
301 and 310. Offered in fall.

311. Essentials of Organic Chemistry Laboratory (1:0:3).
A one-semester organic chemistry laboratory course that
must be taken with the CHEM 310 lecture course.
Prerequisite(s): CHEM 106, 108 with a grade of C or
above.
Corequisite(s): CHEM 310.
Notes: Lab Fee: $50. A student may not receive credit
for CHEM 304 or 311 (or equivalent) and this course.
Offered in fall.

312. Introductory Chemometrics (1).
A short course that introduces the statistical/
mathematical evaluation of chemical measurements to
include statistics, linear and nonlinear calibration
techniques, error propagation, sampling statistics,
modeling, experimental design, and Fourier transforms.
Corequisite(s): CHEM 313.
Notes: Lab Fee: $50. Offered in spring.

313. Quantitative Analysis (3).
A study of some of the classic and modern techniques of
quantitative chemical analysis and their theoretical
bases.
Prerequisite(s): A grade of C or better will be required in
all of the following: CHEM 301, CHEM303, MATH 201,
and PHYS211 or PHYS201.
Corequisite(s): CHEM 314, 312.
Notes: Offered in fall.

314. Quantitative Analysis Lab (1:0:3).
A laboratory course to apply modern analysis
technology.
Prerequisite(s): A grade of C or better in all of the
following: CHEM 106, 108.
Notes: Lab Fee: $50. Offered in spring.

315. Environmental Chemistry (3).
A study of modern environmental chemistry topics:
CFC’s and ozone depletion, photochemical smog, acid
rain, particulates, greenhouse effect, indoor air pollution,
asbestos, radon, pesticides, PCB’s, PAH’s, dioxins,
water quality and treatment, heavy metals in soils, and energy
sources.
Prerequisite(s): A grade of C or better in the following:
CHEM 106 and 108.
Notes: Offered variable times.

330. Introductory Inorganic Chemistry (3).
Introduction to principles of inorganic chemistry
including electronic structure of atoms, theories of
structure and bonding, and descriptive chemistry of the
elements.
Prerequisite(s): A grade of C or better in all of the
following: CHEM 105, 106, 107, 108.
Notes: Offered as needed.

340 A, B, C. Cooperative Education Experience (1) (2) (3).
Provides on-the-job training in a professional field
related to a student’s major or career interests.
Prerequisite(s): 2.5 GPA and minimum of 24 earned
undergraduate semester hours. Placement objectives
must be approved by Department Chair prior to
enrollment.
Notes: For chemistry majors only. Courses may be
repeated for credit. Hours do not count toward required
hours in Chemistry. A grade of S or U is recorded.
Offered variable times.

351. Independent Study (1) (2) (3).
Independent study at the sophomore/junior level.
Prerequisite(s): CHEM 105.
Notes: Lab Fee: $50. A grade of S or U is recorded.
Offered in fall, spring and summer.

407. Physical Chemistry I (3).
A calculus-based study of the theoretical foundations of
chemistry.
Prerequisite(s): A grade of C or better in all of the
following: MATH 202, CHEM313, and PHYS 202or PHYS
212.
Corequisite(s): CHEM 409.
Notes: Offered in fall.

408. Physical Chemistry II (3).
A calculus-based study of the theoretical foundations of
chemistry.
CHEMISTRY
Prerequisite(s): A grade of C or better in all of the following: MATH 202, PHYS 202 or 212, CHEM 313, 314, 407.
Corequisite(s): CHEM 410.
Notes: Offered in spring.

409-410. Physical Chemistry Laboratory (1:0:3) (1:0:3).
Corequisite(s): CHEM 407-408.
Notes: Lab Fee: $50. Offered in fall and spring.

450. Honors: Selected Topics in Chemistry (3).
An in-depth independent inquiry into a selected topic in Chemistry.
Prerequisite(s): Permission of the Chairperson.
Notes: Offered in fall and spring.

461, 462, 463. Academic Internships in Chemistry (1) (2) (3).
Prerequisite(s): Open only to students majoring in chemistry. Prior approval from the Department Chair and Dean of the College of Arts and Sciences is required.
Notes: A grade of S or U is recorded. Offered in fall, spring and summer.

490. Seminar (1).
Prerequisite(s): 12 hours of CHEM and consent of the instructor. May not be taken more than three times for credit.
Notes: Offered as needed.

491, 492, 493, 494 . Department Seminar (0).
A department seminar program in which outside visitors present seminars on current research or on another relevant topic.
Prerequisite(s): C or better in each of the following: CHEM 105, 106, 108, CHEM 301, 303.
Notes: Offered in fall and spring.

495. Forensic Chemistry Seminar (0).
A forensic science seminar program in which outside forensic science professionals and researchers present seminars on the field of forensics and the application of chemistry to the law.
Prerequisite(s): CHEM 105, 106, 108, 301.
Notes: Offered variable times.

496. Forensic Chemistry Seminar (0).
A forensic science seminar program in which outside forensic science professionals and researchers present seminars on the field of forensics and the application of chemistry to the law.
Prerequisite(s): CHEM 105, 106, 108, 301.
Notes: Offered variable times.

502. Instrumental Analysis (3).
A study of contemporary methods and techniques of analysis of inorganic and organic materials.
Prerequisite(s): A grade of C or better in all of the following: CHEM 301, 313, 314.
Corequisite(s): CHEM 302, 304, 503.
Notes: Offered in fall of odd years.

503. Instrumental Analysis Laboratory (1:0:3).
Prerequisite(s): CHEM 314.
Corequisite(s): CHEM 502.
Notes: Lab Fee: $50. Offered in fall of odd years.

504. Instrumental Data Interpretation (1:0:3).
Interpretation of spectral, chromatographic and electrochemical data.
Prerequisite(s): A grade of C or better in all of the following: CHEM 302, 304, 313, 314.
Corequisite(s): CHEM 502 and 503.
Notes: Lab Fee: $50. Offered variable times.

505. Forensic Analytical Chemistry (3).
A course in the application of contemporary methods of analytical chemistry as it pertains to the law, including drug, trace, DNA, and arson analysis, as well as toxicology.
Prerequisite(s): A grade of C or better in all of the following: CHEM 301, 313, 314.
Corequisite(s): CHEM 302, 304, 506.
Notes: Offered in fall of even years.

506. Forensic Analytical Chemistry Lab (1:0:3).
A course in the application of contemporary methods of analytical chemistry as it pertains to the law, including drug, trace, DNA, and arson analysis, as well as toxicology.
Prerequisite(s): CHEM 314.
Notes: Lab Fee: $50. Offered in fall of even years.

515. Special Topics in Chemistry (3).
Topics in chemistry selected by the instructor.
Prerequisite(s): Junior status and permission of instructor.
Notes: Offered at variable times. May be retaken for additional credit.

517. Advanced Environmental Chemistry (4:3:3).
A course to develop an in-depth understanding of the molecular basis for contemporary environmental problems involving air, water, soil, energy generation, and toxic substances. Topics covered include reaction mechanisms for stratospheric ozone production, and dioxin/dibenzo furan formation; complex equilibria of natural waters; biochemical toxicology of heavy metals, pesticides, PCB’s, and PAH’s; indoor air pollution; endocrine disrupters; ground and surface water contamination; biodegradability and transport of modern pesticides; and air/water equilibria. The course text is supplemented with readings from recent literature to focus on environmental problems facing rapidly growing metropolitan areas. Laboratory work requires demonstrated competence with advanced analytical instrumentation, field sampling, data analysis, and modeling.
Prerequisite(s): A grade of C or better in: CHEM 302, 304, 313, 314.
Notes: Lab Fee: $40. Offered at variable times.

521. Nutritional Biochemistry (3).
A comprehensive study of the biochemical and physiological fundamentals of nutrition.
Prerequisite(s): CHEM 301 or CHEM 310/311 with a grade of C or above.
Notes: Offered in spring.

522. Nutritional Biochemistry Laboratory (1:1:3).
A laboratory course to be taken in conjunction with the nutritional biochemistry lecture course, CHEM 521.
Corequisite(s): CHEM 521.
Notes: Lab Fee: $40. Offered as needed.

523. Biochemistry I (3).
A study of the structure, chemistry and macromolecular interactions of biochemical systems; enzyme mechanisms and kinetics, bioenergetics, intermediary metabolism, principles of biochemical techniques and molecular genetics.
Prerequisite(s): A grade of C or better in all of the following: CHEM 302, 304, BIOL 203, 204.
Corequisite(s): CHEM 525.
Notes: Offered in fall.

524. Biochemistry II (3).
A study of the structure, chemistry and macromolecular interactions of biochemical systems; enzyme mechanisms and kinetics, bioenergetics, intermediary metabolism, principles of biochemical techniques and molecular genetics.
Prerequisite(s): A grade of C or better in the following: CHEM 523.
Notes: Offered in spring.

525. Biochemistry Laboratory Techniques (1:1:3).
Laboratory emphasizes modern biochemical techniques of protein purification, assaying enzyme activity and enzyme kinetics.
Prerequisite(s): CHEM 302 and 304 with a C or better.
Corequisite(s): CHEM 523.
Notes: Lab Fee: $100. Offered in fall.

526. Advanced Techniques in Biochemistry (2:0:6).
An advanced laboratory course in modern biochemical protein techniques. The work centers on the production and characterization of recombinant proteins using a variety of modern bioanalytical techniques, including spectroscopy, immunology, chromatography, mass spectrometry and computer modeling.
Prerequisite(s): or better in each of the following: CHEM302, CHEM304, CHEM523, CHEM525.
Corequisite(s): CHEM 524.
Notes: Lab Fee: $100. Offered variable times.

527. Biochemical Toxicology (3).
An in-depth study of the biochemical, molecular, and cellular mechanisms through which toxicants alter cellular homeostasis, produce toxicity and alter organ function.
Prerequisite(s): CHEM 523. Permission of the instructor.
Notes: Offered as needed.

528. Advanced Topics in Biochemistry (3).
This course will survey the latest advances in research that focus on current biochemical topics. Students will learn the newest advances in the field of Biochemistry while also learning to dissect literature and present ideas orally and in writing.
Prerequisite(s): CHEM 523 and 525.
Notes: Offered in variable times.

529. Current Topics in Biochemical Sciences (1:1:0).
A student-led, weekly review of current research articles in the biochemical sciences taken from leading journals in the fields of molecular biology, biochemistry, biophysics and bioorganic chemistry.
Prerequisite(s): CHEM 302 with a grade of C or above.
Notes: Offered in fall and spring. Course maybe repeated for credit.

530. Inorganic Chemistry (3).
An intermediate level study of atomic and molecular structure, bonding, crystals, coordination compounds and selected topics.
Prerequisite(s): A grade of C or better in all of the following: CHEM 302, CHEM 304 CHEM 313, CHEM 314, CHEM 407, CHEM 409.
Corequisite(s): CHEM 408, CHEM 410, and 531.
Notes: Offered in spring.

531. Inorganic Chemistry Laboratory (1:1:3).
Synthesis and characterization of inorganic compounds including main group, transition metal, and organometallic species.
Prerequisite(s): A grade of C or better in all of the following: CHEM 304, CHEM 407.
Corequisite(s): CHEM 530.
Notes: Lab Fee: $50. Offered in spring.

541. Chemical Kinetics (1).
An advanced course in the fundamental principles of chemical kinetics in homogeneous liquid and gaseous systems and at solid surfaces.
Prerequisite(s): CHEM 407 and 409.
Corequisite(s): CHEM 408, 410.
Notes: Offered in spring/odd years.

542. AB Initio Methods in Computational Chemistry (1:6:1).
An advanced course that focuses on the principles and techniques of ab initio computational chemistry – Hartree-Fock and density functionality. Students will use these methods to calculate a number of chemical thermodynamic properties.
Prerequisite(s): CHEM 302, 304, 407, 409.
Corequisite(s): CHEM 408, 410.
Notes: Offered at variable times.

551. Research (3).
Prerequisite(s): CHEM 407, 409 and permission of instructor.
Notes: Lab Fee: $50. Offered in fall, spring and summer. May be retaken a maximum of three times for additional credit.

552. Research (3).
Prerequisite(s): CHEM 551 or equivalent.
Notes: Lab Fee: $50. Offered in fall, spring and summer.
CHEMISTRY

553. Independent Study in Chemistry (3:0:9).
Directed advanced research.
Prerequisite(s): Permission of chair, Department of Chemistry and CHEM 552.
Notes: Lab Fee: $40. Offered in fall, spring and summer.

560. Atomic Spectroscopy (1).
An advanced course that focuses on the principles and techniques of modern atomic spectroscopy, to include signal generation in atomic spectroscopy, signal-to-noise concepts, the range of techniques and instrumentation used in atomic spectroscopy, methods of analysis, and horizon techniques in atomic spectroscopy.
Prerequisite(s): CHEM 302, 313, 407, 502.
Notes: Lab Fee: $40. Offered in spring/even years.

561. Gas Chromatography (1).
An advanced course that focuses on the principles and techniques of modern gas chromatography, to include separation theory, stationary phases, column technology, GC inlets, injection techniques, detectors, thermodynamic retention modeling, and temperature/pressure effects.
Prerequisite(s): CHEM 302, 313, 407, 502.
Notes: Lab Fee: $40. Offered in spring/even years.

562. Molecular Spectroscopy (1).
An advanced course that focuses on the principles and techniques of modern molecular spectroscopy, to include signal generation in molecular absorption and luminescence spectroscopy, signal-to-noise concepts, the range of techniques and instrumentation used in molecular absorption and luminescence spectroscopy, methods of analysis and horizon techniques in molecular spectroscopy.
Prerequisite(s): CHEM 302, 313, 407, 502.
Notes: Lab Fee: $40. Offered in fall/even years.

563. Liquid Chromatography (1).
An advanced course that focuses on the principles and techniques of modern liquid chromatography, to include separation theory, instrumentation, stationary and mobile phases, column technology, injection techniques, detectors and chiral separations.
Prerequisite(s): CHEM 302, 313, 407, 502.
Notes: Lab Fee: $40. Offered in spring/odd years.

564. Mass Spectrometry (1).
An advanced course that focuses on the principles, techniques and applications of modern mass spectrometry, to include ion trap MS, electrospray LC/MS, time of flight mass spectrometry, ICP-MS and MALDI.
Prerequisite(s): CHEM 502, 503.
Notes: Lab Fee: $50. Offered in fall/odd years.

565. Chemometrics (1).
A course in chemometric methods, theory and techniques.
Prerequisite(s): CHEM 313.
Notes: Lab Fee: $40. Offered in spring odd years.

566. Sample Preparation (1).
An advanced course that focuses on the principles and techniques involved in sample collection and treatment, including standard reference materials, sampling of mixtures, dissolution and digestion, extraction and dialysis, purge and trap, supercritical fluid extraction and flow injection analysis.
Prerequisite(s): CHEM 302, 313, 407, 502.
Notes: Lab Fee: $40. Offered in fall/odd years.

567. NMR Spectroscopy (1).
An advanced course in modern NMR Spectroscopy covering relaxation measurements, two-dimensional NMR techniques and multinuclear NMR.
Prerequisite(s): CHEM 408, 410, 502, 503.
Notes: Lab Fee: $40. Offered in fall even years.

570. Chemical Synthesis (2:0:6).
An advanced lab course in chemical synthesis and characterization. Emphasis is on specialized techniques for synthesizing organic and inorganic compounds.
Prerequisite(s): C or better in each of the following: CHEM 302, 304, 313, 314, 330, 332, 409,409.
Corequisite(s): CHEM 502 and CHEM 503.
Notes: Lab Fee: $100. Offered variable times.

571. Advanced Topics in Organic Chemistry (3).
One semester advanced organic chemistry special topics course primarily for chemistry majors and advanced biology and human nutrition undergraduate and graduate students. Courses that may be periodically offered include organic mechanisms, polymer chemistry, organic synthesis, physical organic chemistry, medicinal chemistry, bioorganic chemistry, and organometallic chemistry.
Prerequisite(s): CHEM 302, 304 with a grade of C or above.
Notes: Offered at variable times. Course maybe retaken for credit.

575. Forensic Chemistry Internship (6:0:0).
An internship experience in a regional forensic science lab providing real-world professional training for future forensic scientists.
Prerequisite(s): CHEM 495, 496, 505, 506.
Notes: Placement must be approved by Department Chair prior to enrollment. Offered variable times.

580. Laboratory Experimental Design and Preparation/Stockroom Procedures (1).
Development and selection of teaching materials that reflect concepts of content and emphasis in middle and secondary school science. Experimental and laboratory approaches, including use of microcomputer and video technologies.
Prerequisite(s): CHEM 301.

581. Literature of Chemical Education/Teaching Assistant Experience (1).
Explores the evolution of chemical education and chemical education research with special emphasis on current trends. Utilizing the participant-observed role, required participation in selected educational situations with emphasis upon development of observational
skills, ability to record relevant observations by means of written journals, skills in analyzing experiences identifying critical incidents and projection of events and consequences.

Notes: Offered as needed.

**Chinese (CHIN)**

**101. Elementary Chinese (4).**
Notes: Lab Fee: $25. Offered in fall.

**102. Elementary Chinese (4).**
Prerequisite(s): Students who elect to take a 101 language course must receive at least a C (or S) in that language course before continuing on to 102 of that language.
Notes: Lab Fee: $25. Offered in spring.

**Community Volunteer Service (CMVS)**

**201. Introduction to Community Volunteer Service (3).**
A study of the theoretical, historical, and practical aspects of volunteerism with emphasis on community service addressing regional problems and needs.
Notes: Offered on demand.

**Computer Science (CSCI)**

**101. Introduction to Computers and Information Processing (1.5).**
This course provides an introduction to using computer systems. General computer concepts are presented, issues relating to computers are considered, and the student learns to develop a web-based system using a manipulation language such as HTML and scripting language such as Javascript.
Notes: Offered in fall, spring and summer.

**101A. Using Microsoft Windows, Frontpage and Powerpoint (0.5:0:1).**
An introduction to using Microsoft (MS) Windows and Internet Explorer, to using MS Frontpage web page development environment, and to using MS Powerpoint taught in the computer labs.
Notes: CSCI 101A or equivalent knowledge may be required for other CSCI 101X courses. Offered in fall, spring and summer.

**101B. Using Microsoft Excel (0.5:0:1).**
An introduction to using the Microsoft Excel spreadsheet application, and integrating it with other MS applications.
Prerequisite(s): CSCI 101A or equivalent knowledge.
Notes: Offered in fall, spring and summer.

**101C. Using Microsoft Access (0.5:0:1).**
An introduction to using the Microsoft Access database management system application.
Prerequisite(s): CSCI 101A or equivalent knowledge.
Notes: Offered in spring, summer and fall.

**101F. Learning Adobe Photoshop (0.5:0:1).**
An introduction to the use of Adobe Photoshop.
Notes: Offered fall and spring.

**101I. Learning Adobe Illustrator (0.5:0:1).**
Introduction to the use of Adobe Illustrator.
Prerequisite(s): CSCI 101.
Corequisite(s): CSCI 101.
Notes: Offered in spring and fall.

**101P. Introduction to C++ Programming (0.5:0:1).**
An introduction to writing computer programs using a modern programming language.
Prerequisite(s): CSCI 101A or knowledge of Microsoft Windows.
Notes: Offered in spring and fall.

**151. Overview of Computer Science (3:2:2).**
This course is oriented toward mathematics and science majors. A wide range of topics in Computer Science will be studied.

**207. Introduction to Computer Science I (4:3:2).**
An introduction to problem-solving methods, algorithm development, and a high-level programming language. Procedural and data abstraction are emphasized early in the course. Students are introduced to object-oriented programming concepts. Students learn to design, code, debug, and document programs using proper programming techniques.
Prerequisite(s): CSCI 101 or 101P, or CSCI 151 (recommended), or high school equivalent, and MATH 101 or any MATH course that requires MATH 101 as a prerequisite.
Notes: Students expecting to take CSCI 208 should take MATH 261 with CSCI 207.

**208. Introduction to Computer Science II (4:3:2).**
A continuation of CSCI 207. The course continues the development of procedural and object-oriented programming concepts and implementation. The course also introduces the student to elementary data structures (lists, stacks, binary trees, sequential files), to the common algorithms used with these data structures, and to algorithm analysis.
Prerequisite(s): A grade of C- or better in CSCI 207.
Corequisite(s): MATH 261 or MATH 300.

**211. Introduction to Assembly Language and Computer Architecture (3).**
A study of the basic techniques of assembly language programming and an introduction to the conventional machine level of computers. The course includes the study of the function and operations of the assembler, the study of the architecture and operations of processors, and the interface to high-level languages.
Prerequisite(s): CSCI 208; MATH 261 or 300.

**241. Server-Side Programming for the World Wide Web (4:3:2).**
A continuation of INFD 141, this course provides more in depth coverage of the tools and concepts introduced in that course. The emphasis is on the server side including an introduction to databases. Programming concepts include modularization and an introduction to algorithm analysis. Students will produce a site that requires developing and managing a modest number of pages.
COMPUTER SCIENCE
Prerequisite(s): CSCI 101C and either INFD 141 or CSCI 141.
Notes: Offered in fall.

This course introduces object-oriented programming technologies for the Web with a focus on the server side. Microsoft ASP.NET or other object-oriented technologies will be taught to develop highly interactive and dynamic web applications. Topics include the object-oriented web programming environment, techniques and methods, development tools, database server and data access, session and security control, web application configuration and deployment. A term project is required to use the learned skills to develop an object-oriented online database-driven web site.
Prerequisite(s): CSCI 241; or 297 and 355.
Notes: Offered in spring.

271. Algorithm Analysis and Data Structures (3).
The study of the structure of data and the efficient manipulation of such structure. Algorithm analysis and design and the appropriate use of recursion are emphasized.
Prerequisite(s): A grade of C- or better in CSCI 208; MATH 261 or 300, MATH 201 or 105.

The following one-hour courses, CSCI 291, 292, 293, and 297, provide students with a vehicle for learning a specific programming language. Each student must write a series of programs in the language, and be knowledgeable in the details of the language.

291. The COBOL Language (1).
Prerequisite(s): A grade of C- or better in CSCI 208.

292. The FORTRAN Language (1).
Prerequisite(s): A grade of C- or better in CSCI 208.
Notes: Offered on demand.

293. The C# Language (1).
Prerequisite(s): A grade of C- or better in CSCI 208.
Notes: Offered on demand.

294. Local Operating Systems and Programming Languages (1).
A course for students with transfer credit for a course in the principles and methods of programming. The course presents information about local computer systems that is necessary for the student to be able to use those systems effectively.
Prerequisite(s): Permission of Instructor.
Notes: Offered on demand.

An introduction to the Visual Basic programming system.
Prerequisite(s): A grade of C- or better in CSCI 208.

297. Scripting Languages (1).
A course that covers a web-oriented scripting language. The language is chosen by the instructor.
Prerequisite(s): A grade of C- or better in CSCI 208.
Notes: Offered periodically.

All CSCI courses numbered above 299 have a prerequisite of junior status, an overall GPA of at least 2.00 and a grade of C- or better in HMXP 102.

An introduction to the concepts and methods of constructing the hardware and software of a computer system. The course emphasizes the study of the digital logic components, the microprogramming language that supports a machine language, and exposure to advanced computer architectures.
Prerequisite(s): A grade of C- or better in CSCI 211.

325. File Structures (3).
The study of external storage devices and file organization techniques for such devices. The course includes an in-depth treatment of the space and time efficiency of each file organization studied.
Prerequisite(s): MATH 261 or 300, and a grade of C- or better in CSCI 208.

327. Social Implications of Computing (3).
A study of the impact of technology and computing on society and the relationship of the subject matter to professionalism in the field of computing. Topics include: computer ethics and ethical theories, professional behavior, legal issues including intellectual property, personal privacy, computer security, and computer access.
Prerequisite(s): CRTW 201, Junior Standing, and CSCI, DIFD, or BADM/CIFS major; or permission of the department chair.
Notes: Intensive Writing and Oral Communication course.

355. Database Processing (3).
The study of the fundamental concepts and principles of database systems and processing. Several database models are considered with emphasis on the relational model. The student creates, loads, and accesses a database using at least two existing database management systems.
Prerequisite(s): A grade of C- or better in CSCI 208.

371. Theoretical Foundations (3).
Relations and functions; elementary graph theory; automata and language theory; computability theory.
Prerequisite(s): MATH 261 or 300, and either CSCI 271 or MATH 351.

381. Numerical Algorithms (3).
A survey of numerical methods for solving elementary mathematical problems. The course includes finding roots of equations, numerical integration and differentiation, interpolation and extrapolation, spline functions, and solving simultaneous equations.
Prerequisite(s): CSCI 208 and MATH 201.
Notes: Available on sufficient demand.
392. Programming in Java (1).
An introduction to the Java programming language.
Prerequisite(s): CSCI 271 or 325 or permission of the instructor.

A study and application of techniques for developing algorithms to solve difficult problems on the computer. Also, language constructs for rapid prototyping of these solutions will be studied.
Prerequisite(s): CSCI 208 and permission of instructor.

A survey of the function of an operating system and the concepts necessary for the design of an operating system. Students are required to program a part of a subsystem.
Prerequisite(s): A grade of C- or better in CSCI 211.

431. Organization of Programming Languages (3).
The study of different types of programming paradigms and languages associated with the paradigms. Students are introduced to language design and translation.
Prerequisite(s): CSCI 211, 271 and 371.

The study of the geometry, mathematics, algorithms, and software design techniques of computer graphics. Students are required to program parts of a graphics application package.
Prerequisite(s): MATH 101 or 103 or 201, MATH 261 or 300, and a grade of C- or better in CSCI 208.

441. Web Application Design and Development (3).
This course explores the latest methods and techniques used in web programming for both client and server sides. Although any new topics may be involved in this course, current topics will cover Web 2.0 concepts, Ajax programming skills, XML for web, web syndication (RSS and Atom), web services, mashups, security, search engine, etc. A term project or paper is required.
Prerequisite(s): CSCI 241; or CSCI 297 and 355
Notes: Offered in spring.

This course is to acquaint the student with significant uses to which computer graphics commonly is applied and to develop an understanding of 2D and 3D geometry used in computer graphics.
Prerequisite(s): A grade of C- or better in CSCI 208 and in one of MATH 105, or 201 or 300.
Notes: Available on sufficient demand.

461. Translator Construction (3).
A formal treatment of programming language translation and compiler design concepts. Students are required to write a compiler for a small block-structured language.
Prerequisite(s): CSCI 431.
Notes: Available on sufficient demand.

471. Undergraduate Research in Computer Science (3).
Students participate in scholarly research with a faculty member.
Prerequisite(s): Permission of department chair.

475. Software Engineering I (3).
The study of the basic principles of structured systems analysis and software requirements specification. Data flow diagrams, object-oriented analysis, and current charting techniques are emphasized in creating specification documents.
Prerequisite(s): Six hours of CSCI or DIFD courses above 299.

476. Software Engineering II (3).
The study of formal software design principles emphasizing an engineering approach to the software development process. Students are required to participate in a team project. The project is the design, development, testing, and implementation of a software system.
Prerequisite(s): CSCI 475.

481. Special Topics in Computer Science (3).
An intensive investigation and analysis of a computer science problem or topic.
Prerequisite(s): Determined by the instructor.
Notes: Available on sufficient demand.

491. Internship in Computer Science (3).
The internship in computer science provides opportunities for students to integrate coursework into practical work settings. Students’ work will be at least 150 hours and be supervised by faculty.
Prerequisite(s): 2.5 GPA both overall and within major; and at least one of CSCI 271 or 325 or 555.
Notes: Offered in spring, summer and fall.

521. Introduction to Software Project Management (3).
An introduction to the economics, metrics and management strategies required to plan and successfully execute a large software project. The fundamentals of software engineering, requirements, design and realizations are utilized to focus both software professionals and project managers on process models and practices.
Prerequisite(s): Graduate standing or CSCI 475.
Notes: Offered in fall.

525. Network Processing (3).
An overview of modern computer network concepts, including principles of communication networks, network configurations, communication protocols, and network security.
Prerequisite(s): QMTH 205 and any of CSCI 271, 325, or 555.
Notes: Offered in fall.

570. Parallel Computing (3).
Survey of the architectures and algorithms to support Parallel Programming. Students will learn to program a parallel system for a variety of problem topics.
Prerequisite(s): CSCI 271 and 311.
Notes: Available on sufficient demand.
CRITICAL READING, THINKING & WRITING/DANCE APPLIED TECHNIQUE

581. Special Topics in Computer Science (3).
A study of a topic in the area computer science.
Prerequisite(s): Permission of chair.
Notes: Course may be repeated for credit.

Critical Reading, Thinking and Writing (CRTW)

201. Critical Reading, Thinking, and Writing (3).
Examines the language of critical thinking and argumentation and focuses on the connection between writing and critical thinking, using critical reading and thinking as springboards for researched, argumentative writing assignments.
Prerequisite(s): WRIT 101 and HMXP 102 with grades of C- or better in both.
Notes: A grade of C- or better is required in CRTW 201. Offered in fall, spring and summer.

Dance Applied Technique (DANA)

101. Beginning Modern Dance (1:2).
Notes: Lab Fee: $10. Offered in fall and spring.

102. Intermediate Modern Dance (1:2).
Prerequisite(s): DANA 101 or equivalent.
Notes: Lab Fee: $10. Offered in spring.

104. Beginning Ballet (1:2).
Notes: Lab Fee: $10. Offered in fall and spring.

105. Intermediate Ballet (1:2).
Prerequisite(s): DANA 104 or equivalent.
Notes: Lab Fee: $10. Offered in spring.

111. Modern Dance Ia (1:3).
Intensive course for the dance major in the fundamentals of modern dance.
Prerequisite(s): Placement audition or permission of instructor.
Notes: Lab Fee: $30. May be repeated for credit. Offered in fall.

112. Modern Dance Ib (1:3).
Continuation of materials in DANA 111.
Prerequisite(s): DANA 111 or permission of the instructor.
Notes: Lab Fee: $30. May be repeated for credit. Offered in spring.

121. Ballet Ia (1:3).
Intensive course for the dance major in beginning ballet technique.
Prerequisite(s): Placement audition or permission of the instructor.
Notes: Lab Fee: $30. May be repeated for credit. Offered in fall.

122. Ballet Ib (1:3).
Continuation of materials in 121.
Prerequisite(s): DANA 121 or permission of the instructor.
Notes: Lab Fee: $30. May be repeated for credit. Offered in spring.

211. Modern Dance Ila (1:3).
Intensive intermediate level modern dance techniques.
Prerequisite(s): DANA 112 or permission of instructor.
Notes: Lab Fee: $30. May be repeated for credit. Offered in fall.

212. Modern Dance IIb (1:3).
Continuation of materials in DANA 211.
Prerequisite(s): DANA 211 or permission of instructor.
Notes: Lab Fee: $30. May be repeated for credit. Offered in spring.

221. Ballet IIa (1:3).
Intensive transition to intermediate ballet.
Prerequisite(s): DANA 122 or permission of the instructor.
Notes: Lab Fee: $30. May be repeated for credit. Offered in fall.

222. Ballet IIb (1:3).
Intensive course in intermediate ballet techniques.
Prerequisite(s): DANA 221 or permission of the instructor.
Notes: Lab Fee: $30. May be repeated for credit. Offered in spring.

230. Dance Training and Conditioning (1).
A training program for dancers and performing artists which provides sound principles and approaches to the development of a fitness level and body awareness appropriate for each person.
Notes: Lab Fee: $10. Offered in fall and spring.

231. Tap Dance I (1:2).
Study and practice of the basic elements of tap dance and their use in simple combinations.
Notes: Lab Fee: $10. Offered in fall and spring.

232. Tap Dance II (1:2).
A continuation of DANA 231 Beginning Tap Dance.
Prerequisite(s): DANA 231 or permission of instructor.
Notes: Lab Fee: $10. Offered in spring.

236. Early Dance (1:0:2).
Study and practice of European court dance forms of the Medieval through Renaissance Eras.
Notes: Lab Fee: $10. Offered in fall.

238. Hip Hop (1:0:2).
Study and practice of basic dance techniques of the Hip Hop genre.
Notes: Lab Fee: $10. Offered in spring and fall.

246. Social Dance (1:2).
Notes: Lab Fee: $10. Offered in fall and spring.

249. Advanced Social Dance (1:0:2).
Continuation of DANA 246 Social Dance.
Prerequisite(s): DANA 246.
Notes: Lab Fee: $10. Offered in spring.

251. Jazz Technique I (1:2).
Notes: Lab Fee: $10. Offered in fall.
252. Jazz Technique II (1:2).
Prerequisite(s): DANA 251 or equivalent.
Notes: Lab Fee: $10. Offered in spring.

258. World Dance Forms (1:2).
A study of the fundamental movement elements associated with a survey of world dance forms.
Notes: Lab Fee: $10. Offered in spring.

261. Musical Theatre Dance Forms (1:0:2).
Study and practice of the dance styles used in musical theatre performance.
Notes: Lab Fee: $10. Offered in fall.

311. Modern Dance IIIa (1:3).
Intensive advanced level modern dance technique.
Prerequisite(s): DANA 212 or permission of the instructor.
Notes: Lab Fee: $30. May be repeated for credit. Offered in fall.

312. Modern Dance IIIb (1:3).
Continuation of materials in DANA 311.
Prerequisite(s): DANA 311 or permission of the instructor.
Notes: Lab Fee: $30. May be repeated for credit. Offered in spring.

321. Ballet IIIa (1:3).
An intensive technique course for those who have excelled in intermediate ballet and require continuation of challenging work to either achieve or maintain advanced ballet technique.
Prerequisite(s): Permission of instructor.
Notes: Lab Fee: $30. May be repeated for credit. Offered in fall.

322. Ballet IIIb (1:3).
A continuation of DANA 321, Ballet IIIa.
Prerequisite(s): DANA 321 or permission of instructor.
Notes: Lab Fee: $30. May be repeated for credit. Offered in spring.

323. Pointe Technique I (1:0:2).
The introduction to ballet technique on pointe.
Prerequisite(s): Permission of the instructor.
Corequisite(s): One of the following: DANA 121, 122, 221, 222, 321, 322, 421, 422.
Notes: Lab Fee: $10. Offered in fall. May be repeated for credit.

324. Pointe Technique II (1:0:2).
The continuation of ballet technique on pointe.
Prerequisite(s): Permission of the instructor.
Corequisite(s): One of the following: DANA 121, 122, 221, 222, 321, 322, 421, 422.
Notes: Lab Fee: $10. Offered in spring. May be repeated for credit.

411. Modern IVa (1:0:3).
Advanced exercises and phrases which explore concepts of proper alignment, correct body usage, and breath and movement flow associated with modern technique will be developed to further expand the student’s movement potential.
Prerequisite(s): DANA 312 or permission of the instructor.
Notes: Lab Fee: $30. Offered in fall. May be repeated for credit.

412. Modern IVb (1:0:3).
Advanced exercises and phrases which explore concepts of proper alignment, correct body usage, breath and movement flow associated with modern technique will be developed to further expand the student’s movement potential. This course is a continuation of DANA 411.
Prerequisite(s): DANA 411 or permission of the instructor.
Notes: Lab Fee: $30. Offered in spring. May be repeated for credit.

421. Ballet IVa (1:0:3).
An advanced technique class which will build upon the student’s understanding of ballet movement and its relationship to space, breath, alignment, and musicality. Contemporary and classical repertory will be explored. This course is a continuation of DANA 421.
Prerequisite(s): DANA 421 or permission of the instructor.
Notes: Lab Fee: $30. Offered in fall. May be repeated for credit.

422. Ballet IVb (1:0:3).
An advanced technique class which will build upon the student’s understanding of ballet movement and its relationship to space, breath, alignment, and musicality. Contemporary and classical repertory will be explored. This course is a continuation of DANA 421.
Prerequisite(s): DANA 421 or permission of the instructor.
Notes: Lab Fee: $30. Offered in spring. May be repeated for credit.

442. Senior Thesis Showcase (1:2).
Advanced exploration into the choreographic process; students create original work under faculty supervision and present that work in public performance.
Prerequisite(s): DANT 200, 301, and senior status.
Corequisite(s): DANA 311, 312, 321, or 322.
Notes: Lab Fee: $10. Offered in fall.

443. Dance Production: Practicum (1).
A class designed to apply, through practical experience, the necessary technical theatre skills needed for running a dance or theatre production.
Prerequisite(s): THRT 115.
Notes: Lab Fee: $10. May be repeated for credit. Offered in spring and fall.

444. Dance Performance: Practicum (1).
Practical experience of the rehearsal process and performance in a faculty/guest artist-choreographed work.
Corequisite(s): DANA 111, 112, 121, 122, 211, 212, 221, 222, 311, 312, 411, 412, 421, or 422.
Notes: Lab Fee: $10. May be repeated for credit. Offered in spring and fall.
DANCE EDUCATION/DANCE THEORY

471. Internship in Dance (3).
Faculty supervised/coordinated work affiliation in dance.
Prerequisite(s): Permission of department chair.
Notes: Lab fee: $10. Offered in spring, summer and fall.

Dance Education (DCED)

212. Creative Movement (3).
Fundamentals of content, method and process for leading creative movement experiences. Process, elements of movement and integration with other curricula are explored. Teaching methods enables students to design lessons appropriate for wide range of ages, interests and developmental stages.
Notes: Lab Fee: $30. Offered in spring.

342. Dance Pedagogy: Modern, Jazz, Ballet (3:2:0).
The use of pedagogical principles for the conduct and organization of dance lessons in modern, jazz and ballet. Prerequisite(s): DANA 212, 222, 251 or permission of instructor.
Notes: Lab Fee: $30. Offered in fall.

Exploration of national and state standards in dance curriculum and curricular development. Examines lesson and unit planning, assessment techniques, classroom management and other skills for successful K-12 instruction.
Prerequisite(s): DCED 212, 342, DANT 372.
Notes: Lab Fee: $30. Offered in spring.

351. Dance for the Elementary Classroom (1).
Methods and materials for using dance in the elementary classroom, exploration of creative movement techniques, curriculum development, with emphasis on integration of dance in other content areas.
Notes: Lab Fee: $10. Offered in fall, spring and summer.

391. Principles of Teaching Dance: Curriculum and Pedagogy (3).
Synthesizes curriculum practice K-12 in dance; design, development and evaluation. Addresses specific instructional needs and techniques in diverse settings.
Prerequisite(s): Admission to Teacher Education; DCED 212, 342, 345.
Corequisite(s): DCED 392, EDUC 390, DCED 341 or 342.
Notes: Lab Fee: $30. Offered in fall.

392. Field Experience in Teaching Dance (1:0:8).
This course uses laboratory experiences equivalent to 28 half days to lead dance education students through an exploration and examination of various research-based programs of instructional planning, methodology, classroom management, and evaluation of teaching and learning to complement content covered in DANT 391.
Prerequisite(s): Admission to Teacher Education; DCED 212, 342, 345.
Corequisite(s): DCED 391, EDUC 390.
Notes: Lab Fee: $30. Offered in fall.

Dance Theory (DANT)

110. Introduction to Dance (1).
An overview of the field of dance; benchmarks in the history of dance; professional career options; health and care of the dancer’s body; the study of dance.
Notes: Designed for students entering/considering serious study of dance. Offered in fall.

190. Dance Forum (0:1:0).
Presentations of performances and speakers on dance topics.
Notes: Offered in spring and fall.

200. Improvisation (1:2).
Exploration of Laban principles of Time, Space, Weight and Flow through structured improvisations. Emphasis is placed upon conceptualizing the problem and the dancer’s instantaneous response to various catalysts.
Prerequisite(s): One technique class.
Corequisite(s): One technique class.
Notes: Offered in fall.

201. Choreography I (3).
Exploration, experimentation, and manipulation of rudimentary dance ideas resulting in phrases and studies which have repeatable, recognizable form.
Prerequisite(s): DANT 200 and DANA 112, 211 or equivalent, and THRT 115.
Notes: Offered in spring.

205. Music for Dance (3).
A study of the fundamental elements of music literature in relationship to the dynamics, rhythms, and intents of dance movement.
Notes: Lab Fee: $30. Offered in fall.

298. Dance Appreciation (3).
A survey of the significant developments in dance in relation to the other arts from the prehistoric period through the 20th century.
Notes: Offered in fall, spring and summer.

301. Choreography II (3).
Pre-classic music and modern art sources from selected time periods serve as stimuli for dance studies, solo, and small group dance pieces.
Prerequisite(s): DANT 201 and THRT 115.
Notes: Lab Fee: $10. Offered in spring.

340. Cooperative Education Experience in Dance (1) (2) (3).
A cooperative education experience in a specified area of Dance that provides on-the-job training in a professional field related to a student’s major or career interests.
Prerequisite(s): Overall GPA of 2.5, junior status, permission of Chair.
Notes: A grade of S or U is recorded. Offered in fall, spring and summer.

The synthesis of the science of human motion and the art of dance as applied to the facilitation of excellence in performance and the reduction of dance injury.
Prerequisite(s): Completion of DANA 211 and 221 or equivalent.
Notes: Lab Fee: $30. Offered in spring.

385. Dance History: Primitive Cultures through 19th Century (3).
An analysis of dance from primitive cultures through the 19th century tracing its role as ritual, art form or popular entertainment within the social and political context of the time.
Prerequisite(s): Junior status.
Notes: Offered in fall.

386. Dance History: 1900-Present (3).
The study of continuing and new trends in theatre dance forms in Western and Eastern cultures through live performance, visual, and print media.
Prerequisite(s): Junior status.
Notes: Intensive Writing course. Offered in spring.

395. Special Topics in Dance (1).
Extension of individual opportunities in dance beyond existing departmental curriculum limits.
Notes: May be retaken for additional credit. Offered in spring and fall.

396. Special Topics in Dance (2:2:1).
Extension of individual opportunities in dance beyond existing departmental curriculum limits.
Notes: May be retaken for additional credit. Offered in spring and fall.

397. Special Topics in Dance (3:2:2).
Extension of individual opportunities in dance beyond existing departmental curriculum limits.
Notes: May be retaken for additional credit. Offered in spring and fall.

401. Choreography III (3).
Experimentation in the nonliteral dance forms and choreographic techniques.
Prerequisite(s): DANT 301.
Notes: Offered in spring.

432. Careers and Current Trends in Dance (3).
A capstone course for senior dance majors. This course will include aesthetics, contemporary issues and trends in dance, as well as audition, job search and studio management information.
Prerequisite(s): DANT 301, DANT 386.
Notes: Offered in fall.

471. Independent Study in Dance (1).
Individually designed study specific to aptitudes and interests of student.
Prerequisite(s): Permission of the department chair.
Notes: May be retaken for additional credit. Offered in spring and fall.

472. Independent Study in Dance (2).
Individually designed study specific to aptitudes and interests of the student.

DANCE THEORY/DIGITAL INFORMATION DESIGN
Notes: May be retaken for additional credit. Offered in spring and fall.

473. Independent Study in Dance (3).
Individually designed study specific to the aptitudes and interests of the student.
Notes: May be retaken for credit. Offered in spring and fall.

Digital Information Design (DIFD)

141. Introduction to Web Application Design (4:3:2).
This course will cover the basic tools and concepts involved in developing a substantial web site. Examples of tools include languages such as HTML, Java, and Javascript as well as commercial development tools such as Flash, Photoshop, and Dreamweaver. While server side programming will be discussed, the emphasis will be on the client side. Programming concepts include loops and arrays. Students will produce a site that requires developing and managing more than one page.
Prerequisite(s): CSCI 151; or the combination of CSCI 101, 101A, and 101P; or permission of Instructor.
Notes: Offered in spring.

This course will introduce students to the components of the major. The course will focus on the interconnectivity between programs areas, contemporary issues in Internet technology and communication, future areas of concern, and online sources. Students will be required to assess their personal interest in the major and plan their long-range program of study.
Notes: Open only to Information Design majors. Offered in spring.

211. Communication Theory and the Internet (3:3:5).
This course will examine the Internet in context of the evolution of the media. Audience analysis and information gathering will be emphasized. Communication theory will be applied to the development and execution of simple news and marketing communication messages.
Prerequisite(s): CSCI 151 or the combination of CSCI 101, 101A, and 101P
Co-requisite: CRTW 201.
Notes: Offered in spring.

321. Information Systems and Organizations (3).
This course is an introduction to and analysis of the major functional areas of businesses and their integration within the domain of digital commerce. The course introduces students to the language and concepts of e-business. Special emphasis is placed on innovation within organizations and challenges faced by traditional bricks-and-mortar businesses in surviving the change ushered in by digital commerce. Brands and branding strategies as related to the marketing area of business will also be covered.
Prerequisite(s): DIFD 211; Junior standing.
Notes: Offered in fall.
DIGITAL INFORMATION DESIGN/EARLY CHILDHOOD EDUCATION

This course will examine the responses of users and their interaction with a variety of interfaces. The focus of the course will be on efficient navigation principles, information hierarchy, and usability testing of complex information systems. Production of interfaces will use theories discussed in this.
Prerequisite(s): VCOM 262
Corequisite(s): DIFD 321.
Notes: Offered in spring.

351. Information Design Seminar: Special Topics (1:1:0).
This course will explore personal, environmental, business, and social trends currently affecting Information Design. Adjacent fields such as human factors, humanities computing, HCI, information architecture and possibly library science, will be part of the discussion. Topics within these fields as they relate to Information Design, and the implications of changes in these fields will also be included. Topic discussions will include case studies, news items of the day, and recent journal entries.
Prerequisite(s): DIFD 151.
Notes: Offered in fall.

451. Senior Synthesis (3).
This integrative seminar in information design requires students to design and implement a web-based (or other approved) communication and relationship-building program for an outside client. Students are expected to work in teams and to use knowledge and expertise from their individual tracks to complete a course project.
Prerequisite(s): DIFD 322 and 415.
Notes: Offered in spring.

Early Childhood Education (ECED)

109. Management and Supervision of Child Care Centers (2).
A study of the managerial principles, skills organization and operation of early childhood programs including supervision of staff and volunteers and program evaluation. Strategies to establish and maintain positive, collaborative relationships with families and the community will be devised. Students will learn about the growing opportunities for early childhood professionals in administering early childhood programs operated by corporations, agencies, governments and individuals as an avenue to contributing to a more successful business or service operation.
Notes: Teacher Education students must receive a grade of C or better and may not elect the S/U option. Offered in fall and spring.

332. Introduction to Early Childhood Education (3).
A study of national early childhood models (N-3rd grade), day care, Head Start, and other preschool facilities; state and federal regulations and history, societal changes, and contemporary trends.
Notes: Teacher Education students must receive a grade of C or better and may not elect the S/U option. Offered in fall and spring.

333. Creative Activities for Young Children (3).
A study of concepts and content including room arrangement in the early childhood curriculum, methods and materials for developing creativity, and a review of relevant research. Observation and participation in two or more of the following settings: day care centers, private nursery schools, public schools, community agencies, and the Macfee laboratory school. Students will observe and work with children of diverse ages (infants, toddlers, preschoolers or primary school age), and with children reflecting culturally and linguistically diverse family systems. Follow-up conferences will be held with classroom teachers and college faculty.
Prerequisite(s): EDCI 336 and admission to Teacher Education Program.
Notes: Teacher Education students must receive a grade of C or better and may not elect the S/U option. Offered in the spring and summer.

391. Teaching Social Studies in Early Childhood Education (3).
A study of methods and materials in the teaching of early childhood social studies and a review of relevant research. Students will learn how to overcome cultural bias in a child care or classroom setting by including music, artwork, and a variety of culturally defined materials into the curricula. Students will apply the principles of planning, instruction, management, evaluation, and professionalism in a variety of field placements in which young children are served.
Prerequisite(s): Admission to Teacher Education Program, ECED 333.
Corequisite(s): EDUC 390 & ECED 392.
Notes: Teacher Education students must receive a grade of C or better and may not elect the S/U option. Offered in fall.

392. Field Experiences in Teaching Early Childhood Education (1:0:8).
Students will spend 8 hours per week in the classroom under the supervision of an early childhood education professor and will work with a mentor teacher in preparation for the final internship experience.
Prerequisite(s): Admission to Teacher Education Program.
Corequisite(s): EDUC 390 and ECED 391.
Notes: A grade of S or U is recorded. Offered in fall.

432. Teaching Mathematics in Early Childhood Education (3).
This course is designed to prepare students to teach mathematics in grades preK-4. It includes the study of content, methods and materials, and a review of relevant research.
Prerequisite(s): ECED 332, 333 and admission to Teacher Education.
Notes: Teacher Education students must receive a grade of C or better and may not elect the S/U option. Offered in fall.

433. Teaching Science in Early Childhood Education (3).
This course is designed to prepare students to teach science in grades preK-4. It includes the study of content,
methods and materials, and a review of relevant research.  
Prerequisite(s): ECED 332, 333 and admission to teacher education.  
Notes: Teacher Education students must receive a grade of C or better and may not elect the S/U option. Offered in fall.  

550. Special Topics in Early Childhood (3).  
Current topics of concern and interest to early childhood caregivers, (teachers, headstart workers, family and children’s service agencies etc.).  
Notes: Inclusion of this course in a Program of Study requires the approval of the Program Area Committee.  

Economics (ECON)  

103. Introduction to Political Economy (3).  
Designed for non-business majors, the course uses basic economic concepts to explore a variety of current issues. Topics such as unemployment, inflation, education, healthcare and pollution might be discussed along with the constitutional foundation of the U.S. economy.  

215. Principles of Microeconomics (3).  
The economic behavior of individual decision-making units in society with development of the concepts of consumer choice and business firm behavior under different market conditions.  

216. Principles of Macroeconomics (3).  
Analysis of macroeconomic topics including the factors affecting economic growth, inflation and unemployment.  
Prerequisite(s): ECON 215.  

All ECON courses numbered above 299 have a prerequisite of junior status, an overall GPA of at least 2.00 and a C- or better in HMXP 102.  

306. Econometrics (3).  
The course will prepare students for basic empirical work in economics and business. Students will learn data analysis and regression analysis and have the opportunity to use real data to test economic hypotheses.  
Prerequisite(s): ECON 215 and QMTH 206 or MATH 141 or MATH 541.  
Notes: Offered periodically.  

315. Microeconomic Analysis (3).  
Advanced analysis of microeconomic topics dealing with the consumer, the firm, market institutions and social welfare.  
Prerequisite(s): ECON 215 and ECON 216.  

316. Macroeconomic Analysis (3).  
Advanced analysis of contemporary macroeconomic theory and policy including the factors affecting economic growth, inflation and unemployment.  
Prerequisite(s): ECON 215 and ECON 216.  

331. Public Finance (3).  
Microeconomic analysis of governmental activity, taxation and welfare implications.  
Prerequisite(s): ECON 215.  

332. Economic Games and Strategies (3).  
The course will provide an introduction to game theoretic analysis and its application to economics. Students will develop the ability to use the basic tools of game theory to analyze strategic interactions between firms and individuals.  
Prerequisite(s): ECON 215.  
Notes: Offered periodically.  

335. Money and Banking (3).  
Analysis of financial markets, central banks and monetary policy.  
Prerequisite(s): ECON 215 and 216.  

343. Environmental Economics (3).  
Environmental economics is the application of the principles of economics to the study of how environmental resources are developed and managed.  
Prerequisite(s): ECON 103 or ECON 215 or ECON 216.  

345. Labor Economics (3).  
Analyzes the labor market decisions of individuals, households and firms.  
Prerequisite(s): ECON 215.  
Notes: Offered periodically.  

415. Managerial Economics (3).  
Applications of economic principles and methods of analysis to managerial decision making.  
Prerequisite(s): ECON 215.  

491. Internship in Economics (3).  
The internship in economics provides opportunities for students to integrate course work into practical work settings. This course applies the academic and conceptual to the practical; students supervised by faculty will work a minimum of 150 hours during a semester of a summer term.  
Prerequisite(s): 2.5 GPA and grade of C- or better in two courses above ECON 299.  
Notes: For Business Majors only. A grade of S or U is recorded.  

495. Research in Economics (1-3).  
Students will conduct independent research in economics with the supervision of an instructor.  
Prerequisite(s): Junior standing, 9 hours of economics, permission of instructor and department chairperson.  

521. International Trade and Investment (3).  
Theory and policy in international trade and investment with emphasis on the motives and mechanisms of international economic and financial transactions.  
Prerequisite(s): ECON 215.
305. Introduction to the Middle School (3).
The introductory course provides an overview of the basic philosophies, structure, and curricular aspects of middle schools. The development of middle schools, as well as current research related to exemplary middle school, is examined. Students will develop the applicable skills and dispositions needed as prospective middle level teachers.
Prerequisite(s): Admission to Teacher Education. Course may not be taken for S/U credit. Students must earn a C or higher. This course is NOT a writing intensive course.
Notes: Offered in spring.

315. Developmental Aspects of Middle Level Learners (3).
The course examines the developmental characteristics of early adolescents in today’s society. In particular, the course focuses on aspects of diversity such as culture, gender, race, ethnicity and exceptionalities. Students will develop the applicable skills and dispositions needed as prospective middle level teachers.
Prerequisite(s): Admission to Teacher Education. Course may not be taken for S/U. A grade of C or higher must be earned.
Notes: Offered as needed.

325. Content Literacy for Middle Level Learners (3).
An examination of literacy strategies and materials appropriate for subject and interdisciplinary needs of developmentally diverse learners in middle schools. Students will develop the applicable skills and dispositions needed as prospective middle level teachers.
Prerequisite(s): EDCI 305, 315. Course may not be taken for S/U credit. Students must earn a C or higher.
Notes: Offered as needed.

331. Community Connections for Families (3).
This course involves the study of children, family development, and community resources. The collaboration of family and community resources to support the development of children and families is the focus of the course.
Notes: Teacher Education students must receive a grade of C or better and may not elect the S/U option. Offered in fall and spring.

336. Young Children: Insuring Success (3).
Study of characteristics, needs, and appropriate service delivery systems which create success for young children and their families. This course will prepare professionals to consider such factors in meeting the needs of young children.
Prerequisite(s): EDUC 210 or PSYC 206.
Notes: Teacher Education students must receive a grade of C or better and may not elect the S/U option. Offered in spring.

392. Field Experiences in Middle Level Education (1:0:1).
The student will be able to apply principles of planning, instruction, management, assessment and professionalism in directed field-based situations involving differing numbers of young adolescent learners, peers, parents and other adults.
Corequisite(s): EDUC 390.
Notes: Offered in fall.

Education, General Professional (EDUC)

110. Teachers, Schools and Society (3).
A survey course focusing on the foundations of education and expectations of the profession. Content includes historical, philosophical, legal, and societal influences on schools.
Notes: This course cannot be taken for S/U credit. A grade of C or higher is required for Teacher Education majors. Offered in fall, spring and summer.

175. Professional Field Experience (Teacher Cadet Program) (3).
Structured and supervised field experience for those exploring careers in teaching while in high school.
Prerequisite(s): High school Teacher Cadet program.

210. Psychology of the Learner I (3).
Course focuses on the physical, cognitive, social/emotional, and moral development of learners from early childhood through adolescence. Topics include the educational implications of developmental psychology and the interaction of culture, gender, socio-economic class, and family on student development. This course includes a 10-15 hour school-based service learning experience linked to course content.
Prerequisite(s): EDUC 110.
Notes: This course cannot be taken for S/U credit. A grade of C or higher is required for Teacher Education majors. Offered in fall, spring and summer.

210H. Psychology of the Learner I Honors (3).
Course focuses on the physical, cognitive, social/emotional, and moral development of learners from early childhood through adolescence. Topics include the educational implications of developmental psychology and the interaction of culture, gender, socio-economic class, and family on student development.
Prerequisite(s): EDUC 110.
Notes: This course cannot be taken for S/U credit. A grade of C or higher is required for Teacher Education majors. Offered on demand.

250. Psychology of the Learner II (3).
Course focuses on theories and strategies for learning, motivation, and assessment and their classroom applications.
Prerequisite(s): EDUC 210 and 2.5 GPA.
Corequisite(s): EDUC 250E, 250M, or 250S.
Notes: This course cannot be taken for S/U credit. A grade of C or higher is required for Teacher Education majors. Offered in fall, spring and summer.

250E. Nature & Nurturing of Learners II Practicum Elementary (0:0:2).
Classroom observation component accompanying EDUC 250. Students observe in local public elementary school classrooms for a total of 12 hours to complete EDUC 250 assignments.
Corequisite(s): EDUC 250.

250H. Psychology of the Learner II Honors (3).
Course focuses on theories and strategies for learning, motivation, and assessment and their classroom applications.
Prerequisite(s): EDUC210 and 2.5 GPA.
Notes: This course cannot be taken for S/U credit. A grade of C or higher is required for Teacher Education majors.

250M. Psychology of the Learner II Practicum Middle (0:0:2).
Classroom observation component accompanying EDUC 250. Students observe in local public middle school classrooms for a total of 12 hours to complete EDUC 250 assignments.
Corequisite(s): EDUC 250.
Notes: Offered in fall, spring and summer.

275. Integrating Technology to Support Teaching and Learning (2).
A methods course in which students learn to design instruction aligned with p-12 standards that uses technology to support teaching and learning.
Prerequisite(s): 30 hours, 2.5 GPA and an education major.
Notes: Lab Fee: $15. A grade of C or higher is required for Teacher Education majors. This course cannot be taken for S/U credit. Offered in fall, spring and summer.

310. Working With Exceptional and Diverse Learners (3).
This course provides teacher education students with basic information concerning characteristics of, educational procedures for, and instructional needs of exceptional and diverse learners.
Prerequisite(s): Admission to Teacher Education Program and completion of EDUC 250 with a grade of “C” or better.
Notes: This course cannot be taken for S/U credit. Offered in fall, spring and summer.

390. Core Issues In Teacher Education (3).
The course includes content central to all students seeking teacher certification including classroom management, assessment, and school law.
Prerequisite(s): A grade of C or higher is required for Teacher Education majors.
Corequisite(s): Area Methods Course and Lab Designated by Major Area.
Notes: This course cannot be taken for S/U credit. Offered in fall.

450H. Education Honors Thesis (3).
Independent research of a topic in education requiring a command of research techniques and writing ability.
Prerequisite(s): Admission to Teacher Education and Honors Program.
Notes: Offered on request.

455A. Problems in Educational Practice (1:1:0).
Designed to assist school and agency personnel in the identification, analysis, and planning of strategies to overcome specific problems related to agency and school practices. Inclusion of this course in a program of study requires the approval of the program area committee.
Prerequisite(s): Permission of instructor.
Notes: May be retaken for additional credit.

455B. Problems in Educational Practice (2:2:0).
Designed to assist school and agency personnel in the identification, analysis, and planning of strategies to overcome specific problems related to agency and school practices. Inclusion of this course in a program of study requires the approval of the program area committee.
Prerequisite(s): Permission of instructor.
Notes: May be retaken for additional credit.

455C. Problems in Educational Practice (3).
Designed to assist school and agency personnel in the identification, analysis, and planning of strategies to overcome specific problems related to agency and school practices. Inclusion of this course in a program of study requires the approval of the program area committee.
Prerequisite(s): Permission of instructor.
Notes: May be retaken for additional credit.

475. Internship in Reflective Practice (10:0:10).
The course will provide applied experiences for developing skills for the professional role of a teacher. Primary focus is on a field-based component of 60-65 full days.
Prerequisite(s): Completion of all methods courses and core courses except EDUC 490. Full admission to Teacher Education Program.
Corequisite(s): EDUC 490.
Notes: Offered in fall and spring.

490. Capstone For Educational Leaders (2).
The course will allow students to explore current issues in education as they relate to the educational leader. Primary focus is on completion and presentation of a professional portfolio.
Prerequisite(s): Completion of all methods courses and core courses except EDUC 475. Full admission to Teacher Education Program.
Corequisite(s): EDUC 475 Internship in Reflective Practice.
Notes: Offered in fall and spring.

495. Special Topics in Education (1:3:0).
To identify specific problems and issues in education and to seek solutions through examination of current research and practice.
Prerequisite(s): Permission of instructor.
Notes: Offered on demand.
293. Laboratory Experiences in Public Schools (3:1:2).
To provide direct teaching experiences with students under the supervision of a public school teacher.
Prerequisite(s): EDUC 110.
Notes: Offered in fall and spring.

341. Teaching Social Studies in the Elementary School (3).
The course is designed to prepare students to use the most up-to-date methods and procedures in the teaching of social studies in the elementary school.
Prerequisite(s): EDUC 250 & Admission to Teacher Education. A grade of C or higher must be earned in each content course (15 hours): PLSC 201 or ECON 103, GEOG 101, HIST 211 or 212 or 308, SOCL 201 and ANTH 201.
Notes: Offered in fall and spring.

391. Principles of Teaching Grades K-6 (3).
The student will understand the process by which an educator plans long-range integrated units of instruction and which includes development of goals/objectives, selecting appropriate strategies and developing appropriate assessment instruments.
Prerequisite(s): Admission to Teacher Education Program.
Corequisite(s): EDUC 390 and ELEM 392.
Notes: Offered in fall.

392. Field Experiences in Teaching Grades K-6 (1:0:1).
The student will be able to apply principles of planning, instruction, management, assessment and professionalism in directed field-based situations involving differing numbers of learners, peers, parents and other adults.
Corequisite(s): EDUC 390 and ELEM 391.
Notes: A grade of S or U is recorded. Offered in fall.

431. Teaching Science in the Elementary School (3).
A study of 1) the methods and materials of teaching science in the elementary school, 2) the relevant research on methods and materials, and 3) cognitive development.
Prerequisite(s): Admission to Teacher Education; EDUC 210/250; grades of C better in PHYS 250/251 and BIOL 150/151 and GEOL 250/251.
Notes: Offered in fall and spring.

436. Teaching Mathematics in the Elementary School (3).
Methods course for elementary education majors.
Prerequisite(s): MATH 291 and 292 with a grade of C or better; Admission to Teacher Education
Notes: Offered in fall, spring and summer.

WRIT 101 is a prerequisite for all ENGL courses. HMXP 102 and a previous ENGL course are prerequisite to any 500-level ENGL course.

200. Introduction to Literary Genres (3).
Various special topics and trends at the introductory level. Several different topics may be offered in a single semester. Students may count 3 hours of ENGL 200 toward the major.
Prerequisite(s): WRIT 101.
Notes: Offered in fall, spring and summer.

203. Major British Authors (3).
Study of the major periods, literary forms, and issues that characterize British literature, with a consideration of representative major works and authors over the course of British literary history.
Notes: Offered in fall, spring and summer.

208. Foundations of World Literature (3).
A survey of representative foundational major works and authors that characterize earlier world literature, including the Ancient, Medieval, and Renaissance periods, and chronologically comparable non-Western works.
Prerequisite(s): WRIT 101.
Notes: Offered in fall, spring and summer.

211. Major American Authors (3).
Study of the major periods, literary forms, and issues that characterize American literature, with a consideration of representative major works and authors over the course of American literary history.
Notes: Offered in fall, spring and summer.

300. Approaches to Literature (3).
Study of major critical approaches to literature including formalist, psychological, mythological, feminist, and postmodernist. Course also provides instruction and practice in literary research methods.
Prerequisite(s): Sophomore standing.
Notes: Restricted to English majors and minors. Intensive Writing course. Offered in fall and spring.

303. Grammar (3).
Review of traditional grammar and introduction to transformational grammar.
Prerequisite(s): Grade of C- or better in HMXP 102.
Notes: Primarily for students who are being certified to teach. Offered in fall and spring.

305. Shakespeare (3).
Study of 9 or 10 representative plays with emphasis on the tragedies.
Notes: Offered in fall and spring.

308. World Literature After 1700 (3).
Study of great works of world literature representing the major literary periods of Western literature from the Enlightenment to Post-Modernism and including great works of non-Western literature.
Prerequisite(s): WRIT 101. 
Notes: Offered variable times.

310, 311. Special Types of Literature (3) (3).
Concentration on one type, such as epic or satire, in interesting combinations of its use, past and present.
Notes: Available on sufficient demand.

317. The Short Story (3).
Study of this genre including selected stories by American, Irish, British, and European masters.
Notes: Offered in odd years in the spring.

319. The British Novel (3).
Study of this genre including its beginnings in the 18th century and representative works to the present.
Notes: Offered in spring of odd years.

320, 321. Recurrent Themes in Literature (3) (3).
Typical course titles: Biblical Themes in Literature; Coming of Age in 18th - to 20th- Century Fiction.
Notes: Offered variable times.

323. The Nineteenth-Century American Novel (3).
Study of the nineteenth-century American novel, including authors such as Cooper, Hawthorne, Melville, Stowe, Twain, Howells, James, and Crane.
Notes: Offered in fall of odd years.

324. The Twentieth-Century American Novel (3).
Study of the twentieth-century American novel, including works from the modern and contemporary periods.
Notes: Offered in spring of even years.

325. Dramatic Literature (3).
Study of selected plays from the medieval period to the present.
Notes: Offered in spring of even years.

330. Women and Literature (3).
This course draws upon the entire body of writing (fictional and non-fictional) by and/or about women. In different semesters, it may focus on different themes, periods, genres, authors, or issues related to women.
Notes: Offered in spring of odd years.

370. Literature and Film (3).
An examination of literature and film media based on the study of selected works.
Notes: Lab Fee: $10. Offered in fall of even years.

380. Literature of Science (3).
Selected readings from the literature of science with attention to language and style.
Notes: Offered in spring of even years.

431, 432, 433. Academic Internship in English (1) (2) (3).
Practical experience in selected activities relating to skills gained in the major.
Prerequisite(s): 12 hours of ENGL (including English 300) and/or WRIT courses beyond WRIT 102 and a 2.5 GPA and permission of the Department Chair.

Notes: Open to majors only. Offered in fall and spring.

450. Honors: Selected Topics in English (3).
Required for departmental honors, this course may be taken after the student completes 18 hours in English.
Prerequisite(s): Approval of Department Chair and/or instructor and 18 hours of English.
Notes: Offered in fall and spring.

471, 472. Undergraduate Research in English (1) (2).
Students participate in scholarly research with a faculty member. Requires approval of Department Chair.
Notes: Offered in fall and spring.

491. Departmental Seminar (0).
Intended to assess the student’s mastery of English coursework.
Prerequisite(s): Must be taken in the first semester of the senior year (after the student has earned 90 hours).
Notes: A grade of S or U is recorded. Offered in fall and spring.

492. Department Seminar Science Communication (0).
Intended to assess the student’s mastery of coursework in the Science Communication program. Based on class work and internship experiences, students will identify strengths and weaknesses in the Science Communication curriculum.
Prerequisite(s): Must be taken after the student has completed WRIT 461 and 462.
Notes: A grade of S or U is recorded. Offered in fall and spring.

501. Modern British Poetry (3).
Study of the chief British poets from Yeats, Pound, and Eliot to the present.
Prerequisite(s): ENGL 203 or graduate status.
Notes: Offered odd years in the fall.

502. Studies in Non-Western Literature (3).
This course will focus on the major writers of the Non-Western World (Chinese, Japanese, Indian, Arabic, Islamic, and African).
Notes: Offered odd years in the fall.

503. Major Victorian Writers (3).
Study of 19th-century British literature (poetry, non-fiction prose, and fiction) with emphasis on main currents of thought.
Prerequisite(s): ENGL 203 or graduate status.
Notes: Offered in the spring.

504. Modern American Poetry (3).
A survey of American poetry of the 20th century with emphasis on major poets such as Pound, Frost, Stevens, Williams, Bishop, Brooks, Rich, and Levertov.
Prerequisite(s): ENGL 211 or graduate status.
Notes: Offered every spring.

507. History and Development of Modern English (3).
Introduction to language acquisition and the phonology, morphology, and syntax of Old, Middle, and Modern English, with an emphasis on the major causes and patterns of language change.
ENGLISH/ENGLISH EDUCATION
Prerequisite(s): Successful completion of one course in a foreign language.
Notes: Offered in fall.

510. Topics in Literature and Language (3).
An examination of topics, issues and methodologies.
Course content will vary.
Prerequisite(s): CRTW 201 with a grade of C or better and a previous ENGL course.
Notes: May be retaken for additional credit with permission of Chair, Department of English.

511. Chaucer (3).
Reading in Middle English of The Canterbury Tales and Troilus and Criseyde.
Prerequisite(s): ENGL 203 or graduate status.
Notes: Offered even years in the spring.

512. Middle English Literature (excluding Chaucer) (3).
Survey of Middle English literature, exclusive of Chaucer, with emphasis on major genres and authors.
Texts are taught predominately in Middle English.
Prerequisite(s): ENGL 203 or graduate status.
Notes: Offered odd years in spring.

513. Milton (3).
Milton’s poetry and representative prose, his life and the background of the 17th century.
Prerequisite(s): ENGL 203 or graduate status.
Notes: Offered odd years in fall.

514. Elizabethan Literature (3).
A reading of poetry, prose narratives, drama, and critical theory of the English Renaissance. Shakespeare’s poetry is included, but not his plays.
Prerequisite(s): ENGL 203 or graduate status.
Notes: Offered even years in spring.

515. 20th-Century Southern Literature (3).
Study of major fiction, poetry, drama, and prose writers from the Nashville Fugitives to James Dickey.
Prerequisite(s): ENGL 211 or graduate status.
Notes: Offered even years in fall.

520. 17th-Century English Literature (exclusive of Milton) (3).
Study of Cavalier and Metaphysical poets, important single figures (Donne, Marvell), and outstanding prose stylists.
Prerequisite(s): ENGL 203 or graduate status.
Notes: Offered odd years in spring.

521. Restoration and 18th-Century English Literature (3).
A study of selected major works (excluding the novel) with some attention to dramatic comedy, satire, periodical essay, poetry, and biography.
Prerequisite(s): ENGL 203 or graduate status.
Notes: Offered odd years in fall.

525. Studies in Irish Literature (3).
Study of Yeats, Joyce, and other Irish writers from the viewpoint of history, folklore, and mythology.
Prerequisite(s): ENGL 203 or graduate status.
Notes: Offered even years in fall.

527. English Romantic Poetry and Prose (3).
Study of the major works of Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats.
Prerequisite(s): ENGL 203, or graduate standing.
Notes: Offered even years in fall.

529. 20th-Century American Fiction and Drama (3).
Examination of representative fiction and drama with emphasis on writers such as Hemingway, Faulkner, Updike, O’Neill, Bellow, Warren, Heller, Ellison, and Irving.
Prerequisite(s): ENGL 211 or graduate standing.
Notes: Offered odd years in spring.

English Education (ENGE)

391. Principles of Teaching English in Middle and Secondary Schools (3).
Study & application of skills of planning, instruction, management, and assessment of students in English.
Includes a review of the ethical and legal responsibilities of English teachers.
Prerequisite(s): Admission to Teacher Education Program.
Notes: Offered in fall.

392. Field Experience in Teaching English (1:0:8).
Students will spend a minimum of 8 hours per week in the classroom under the supervision of an English education professor and will work with a mentor teacher, in preparation for the final internship experience.
Prerequisite(s): Admission to Teacher Education Program.
Corequisite(s): ENGE 391, EDUC 390.
Notes: A grade of S or U will be recorded. Offered in fall.

519. Adolescent Literature (3).
Study of literature appropriate for students preparing to teach at the secondary level with emphasis on literature written for adolescents.
Prerequisite(s): WRIT 101 and HMXP 102; minimum of sophomore status.
Notes: Offered in spring.

591. Principles of Teaching English in Middle and Secondary Schools (3).
This course addresses specific instructional needs and techniques related to the teaching of English and is designed for students in the MAT program.
Prerequisite(s): Admission to Teacher Education Program.
Corequisite(s): ENGE 591.

592. Field Experience In Teaching English (1:0:8).
Students will spend 8 hours in the classroom under the supervision of an English Education Professor and will work with a mentor teacher, in preparation for the final internship experience.
Prerequisite(s): Admission To Teacher Education Program at Graduate Level.
Corequisite(s): ENGE 591.
491. Internship in Entrepreneurship (3).
The internship in entrepreneurship provides opportunities for students to integrate course work into practical work settings. This course applies the academic and conceptual to the practical; students will work a minimum of 150 hours during a semester or summer term.
Prerequisite(s): Junior status. 2.5 GPA and C- or better in ENTR 373.
Notes: Offered in fall, spring and summer.

579. Business Plan Development (3).
This is the capstone course in entrepreneurship. Students will write a comprehensive business plan for a viable venture. At the end of the semester, the business plan will be presented to a panel of judges that include entrepreneurs and business professionals.
Prerequisite(s): ENTR 373 and 374 or 473; or graduate status.
Notes: Offered in spring.

Environmental Sciences/Studies (ENVS)

101. Introduction to Environmental Issues (3).
Case studies are used to explore the complexity of a set of environmental issues from multiple perspectives.
Notes: Offered in fall and spring.

461. Internship in Environmental Studies (1:0:0).
An opportunity for students to earn academic credit for experience gained through apprenticeship work under the supervision of a trained environmental professional.
Prerequisite(s): Overall GPA of 2.0, 2.0 GPA in major courses, and permission of program chair.
Notes: Offered in fall, spring and summer.

462. Internship in Environmental Studies (2:0:0).
An opportunity for students to earn academic credit for experience gained through apprenticeship work under the supervision of a trained environmental professional.
Prerequisite(s): Overall GPA of 2.0, 2.0 GPA in major courses, and permission of program chair.
Notes: Offered in fall, spring and summer.

463. Internship in Environmental Studies (3:0:0).
An opportunity for students to earn academic credit for experience gained through apprenticeship work under the supervision of a trained environmental professional.
Prerequisite(s): Overall GPA of 2.0, 2.0 GPA in major courses, and permission of program chair.
Notes: Offered in fall, spring and summer.

Students participate in scholarly research with a faculty member.
Prerequisite(s): ENVS 101, Environmental Studies/Sciences major with at least Junior standing.
Notes: Offered in fall and spring.

496. Independent Research in the Environment II (3).
Students participate in continued scholarly research with a faculty member.
**Exercise Science (EXSC)**

101. **Introduction to Exercise Science (3).**
The purpose of this course is to introduce students to the multiple components and career options in exercise science. Major components of the course include scientific foundations of exercise science, professional and career opportunities within allied health professions, foundational research and writing skills used in exercise science, and the role of exercise science professionals in contemporary society.
Prerequisite(s): Exercise Science major or permission of the department.
Notes: Offered in fall.

510. **Special Topics in the Environment (3).**
A detailed examination of specific subjects in environmental issues, as chosen by the instructor.
Prerequisite(s): Permission of instructor.
Notes: Offered as needed. May be retaken for additional credit.

520. **Senior Seminar in the Environment (3).**
Student groups will explore diverse approaches to selected environmental issues.
Prerequisite(s): ENVS 101, Environmental Studies/Sciences major with Senior standing.
Notes: Intensive Writing Course. Offered in spring.

**Family and Consumer Sciences (FACS)**

211. **Apparel Design and Construction (3:1:2).**
This course focuses on basic theory and application of apparel construction fundamentals, including experiences with patterns, fitting and alterations, and specialty fabrics and techniques.
Prerequisite(s): Restricted to Family and Consumer Sciences majors.
Notes: Lab Fee: $20. Offered in fall and spring.

340 A, B, C. **Cooperative Internship Experience (3),(2),(1).**
Cooperative Internship Experience provides training in a professional environment. Three hours are required and a maximum of six hours may be applied toward the Family and Consumer Sciences baccalaureate degree in the College of Education.
Prerequisite(s): Restricted to Family and Consumer Sciences majors.
Notes: A grade of S or U is recorded. Course maybe repeated for credit up to six credits total. Offered in fall, spring and summer.

381. **Textiles (3:2:1).**
Study of the physical and chemical properties of fibers used for apparel, interior furnishings, and industrial products. Origin, manufacture, and merchandising of textiles are studied from a global and consumer perspective.
Prerequisite(s): Restricted to Family and Consumer Sciences majors.

311. **Principles of Finance (3).**
A survey course examining the fundamentals of financial decision making such as financial ratios, budgets, time value of money, loan determination, bond and stock pricing and capital budgeting.
Prerequisite(s): ACCT 280 and 281 or 601.

312. **Intermediate Corporate Financial Management (3).**
A case, lecture and computer application course. The emphasis in the course will be on the financial statements analysis, cash budgets, Performa statements, time value of money, and working capital management.
### 315. Principles of Financial Planning (3)
This course provides the students with an overview of the personal financial planning process. It is the first course in a sequence of courses designed to qualify the student to take the Certified Financial Planner (CFP) exam.
Prerequisite(s): FINC 311.

### 410. Sport Budgeting and Finance (3)
This course provides knowledge and understanding of the principles, processes, and strategies related to the financial aspects of sport. Basic economic theory that relates to sport finance will also be introduced. Financial management and planning, budgeting approaches and strategies, and innovative and traditional revenue acquisition methods applicable to sport-oriented organizations will be addressed.
Prerequisite(s): SPMA 101, ECON 103, ACCT 280.
Notes: Offered in fall.

### 491. Internship in Finance (3)
The internship in finance provides opportunities for students to integrate course work into practical work settings. This course applies the academic and conceptual to the practical; students supervised by faculty, will work a minimum of 150 hours during a semester or summer term.
Prerequisite(s): 2.5 GPA and must have completed FINC 312 and an additional Finance option course. For Business Majors only.
Notes: A grade of S or U is recorded.

### 498. Advanced Corporate Financial Management (3)
A case, lecture and computer application course. The emphasis in the course will be on the analysis of capital investment, long term financing, and risk/return analysis. The final examination will be an assessment test of Financial competencies.
Prerequisite(s): A C or better in FINC 312.

### 512. Financial Investments Management (3)
A practical investment course that focuses on portfolio management through the use of an investment simulation.
Prerequisite(s): A C- or better in FINC311.

### 513. Banking and Financial Service Management (3)
The application of financial management techniques is employed to the economic and regulatory environment of banks and financial service companies.
Prerequisite(s): A C- or better in FINC 312 or 655.

### 514. International Financial Management (3)
The course examines factors that affect a company’s financial management decisions in a global environment. Managerial finance in the multinational firm receives special attention.
Prerequisite(s): Grade of C or better in FINC311.

### 515. Insurance and Risk Management (3)
This course will explore the principles of insurance. It will include an analysis of risk and strategies to eliminate, minimize or transfer risk. Students will become familiar with the key components of life, accident and health insurance policies as well as property and casualty insurance.
Prerequisite(s): FINC 311 with a grade of C- or better.
Notes: Offered in spring and fall.

### 516. Employee Benefits and Retirement Planning (3)
Students will learn the various group insurance and retirement programs offered by employers. Students will also become familiar with employee stock option plans and retirement needs analysis. Strategies to meet one’s retirement goals and objectives will be covered.
Prerequisite(s): FINC 311 with a grade of C- or better.
Notes: Offered in spring and fall.

### French (FREN)
Native speakers of a foreign language will not receive CLEP credit for the 101, 102, 201, or 202 courses in their native language, nor will they be permitted to enroll in 101, 102, 201, or 202 courses in that language. Students who are fluent in a language other than their native language or English may receive CLEP credit in that language, but may not enroll in 101, 102, 201, or 202 courses in the second language in which they are fluent.

Students may receive credit for FREN 101 by completing FREN 102 with a grade of B or higher. Credit for FREN 101 and/or 102 may be earned by completing FREN 201 with a grade of B or higher. Credit will not be given for courses for which university credit has been awarded previously. No grade is assigned to this credit. A grade is received only for the course taken at Winthrop. For further information, contact the Chair of the Department of Modern Languages.

From time to time an additional course dealing with a special topic in French may be offered if sufficient student interest is indicated and a faculty member is available to teach the course. Consult the department chairperson about such a course.

### 101. Elementary French (4:3:1)
This is an introductory course intended for students who have not studied French previously. This course emphasizes the development of listening, speaking, reading and writing skills.
Prerequisite(s): Students with previous study of French have not studied French previously. This course

### 102. Elementary French (4:3:1)
This course builds on French 101. There is continued emphasis on the development of listening, speaking, reading and writing skills.
Prerequisite(s): Completion of French 101 or equivalent with a grade of C (or S), a satisfactory score on the departmental placement test, or permission of the department chair.
Notes: Lab Fee: $25. Offered in fall, spring and summer.
This course continues to stress development of listening, speaking, reading and writing skills. Special attention is paid to more complex grammatical items such as the subjunctive, contrary-to-fact statements, and relative clauses.
Prerequisite(s): Completion of FREN 102 with a grade of C (or S), a satisfactory score on the departmental placement test, or permission of the department chair.
Notes: Lab Fee: $20. Offered in fall and spring.

This course emphasizes systematic development of writing and speaking skills.
Prerequisite(s): Completion of FREN 201 with a grade of C (or S), or permission of the department chair.
Notes: Lab Fee: $20. Offered in fall and spring.

206. French of Business (3).
This course concentrates on the development of language skills needed to conduct simple business transactions in French-speaking countries.
Prerequisite(s): FREN 201 or permission of the instructor.
Notes: Offered variable times.

210. Special Topics in Language and Culture (1-3).
Topics may focus on a literary period or author, language for specialized purposes (health professionals, social service agencies, etc.), history or culture.
Prerequisite(s): Completion of FREN 201 with a grade of C or S.
Notes: Offered at variable times. May be taken for credit three times under different topics with permission of Department Chair.

250. Introduction to French Literature (3).
This course introduces students to literary texts of diverse genres and periods by French and Francophone authors. Special attention is given to problems of reading. The course also emphasizes building vocabulary necessary to read and discuss literary texts in French.
Prerequisite(s): FREN 201.
Notes: Offered variable times.

280. The French Film (3).
Introduction to significant examples of foreign language cinema as an art form and as embodiments of the culture of French-speaking countries.
Prerequisite(s): 6 hours of 200-level FREN.
Notes: Lab Fee: $20. Offered variable times.

301. French Civilization and Culture I (3).
A survey of French civilization and culture from prehistory through the French Revolution.
Prerequisite(s): 6 hours of 200-level FREN.
Notes: Offered variable times.

302. French Civilization and Culture II (3).
Emphasis on Contemporary French Culture.
Prerequisite(s): 6 hours of 200-level French.
Notes: Offered variable times.

310. Advanced Grammar and Composition (4).
Prerequisite(s): 6 hours of 200-level FREN.
Notes: Offered variable times.

313. Advanced French Conversation (3).
This course includes in-depth use of language and requires the use of the internet and advanced readings.
Prerequisite(s): 6 hours of 200-level FREN.
Notes: Lab Fee: $10. Offered variable times.

340 A, B, C. Cooperative Education Experience (1) (2) (3).
Cooperative education experience providing on-the-job training in a professional field related to a student’s major or career interests.
Notes: Courses may be repeated for credit; however, a maximum of 3 hours may be applied toward a degree in Modern Languages (French). A grade of S or U is recorded. For French majors only. Offered fall, spring and summer.

351. Phonetics (3).
Prerequisite(s): 6 hours of 200-level FREN.
Notes: Lab Fee: $20. Offered variable times.

401. Survey of Francophone Literature (3).
A survey of the literature of the Francophone world.
Prerequisite(s): FREN 250 and at least one French course on the 300-level or permission of the instructor.
Notes: Offered variable times.

402. Survey of French Literature (3).
A survey of the literature of France.
Prerequisite(s): FREN 250 and at least one French course on the 300-level or permission of the instructor.

499. Competency Exam (0).
Students must enroll for this exam after completion of 18 hours above 102, no later than the second semester of the junior year, and before enrollment in any 500-level course.
Notes: A grade of S or U is recorded. Offered in fall and spring.

Prerequisite for all 500-level French courses: completion of 18 semester hours of French or equivalent or permission of the Department Chair.

510. Topics in Language and Literature (3).
The focus of the course will vary, depending on student interest and faculty expertise.
Notes: May be retaken for additional credit with permission of Department Chair.

513. Drama of the 17th-Century: Corneille, Racine and Moliere (3).
Notes: Offered variable times.

517. 18th-Century Literature (3).
Study of the major literary works of the French Enlightenment with some attention to historical, political and social, musical and artistic parallels.
Prerequisite(s): FREN 401 and 402.
Notes: Offered variable times.
523. Modern Novel (3).  
A survey of major themes and developments in the modern French novel.  
Prerequisite(s): FREN 401 and 402.  
Notes: Offered variable times.

550. Medieval French Literature (3).  
A study of the literary traditions of medieval France through an examination of works representing the major genres, writers and themes of the period.  
Prerequisite(s): 18 hours of French or equivalent.  
Notes: Offered variable times.

560. Writers of the French Renaissance (3).  
An introduction to the major writers of the 16th-century whose texts forged new parameters in French literary expression.  
Prerequisite(s): 18 hours of French or equivalent.  
Notes: Offered variable times.

575. French Literature in Translation (3).  
Readings and discussions of major works of French literature in English translation. A knowledge of French is not required. Course content can vary depending on the instructor.  
Prerequisite(s): Open to advanced undergraduates and graduate students.  
Notes: Offered variable times. Undergraduate French majors cannot use FREN 575 toward the BA.

590. Contemporary France (3).  
A survey of cultural, historical and intellectual development from the end of World War II to the present.  
Prerequisite(s): 18 hours of French courses or permission of instructor.  
Notes: Offered variable times.

593. Advanced Oral and Written Communication (3).  
A course designed primarily for students who are able to understand, speak and write French but who wish to improve and strengthen these skills while moving toward more natural expression of modern French.  
Prerequisite(s): 18 semester hours of French or permission of chair.

Geography (GEOG)

101. Human Geography (3).  
Human adjustment to the physical environment. The geographic factors in the distribution of population and the growth of civilization.  
Notes: Offered in fall and spring.

201. The Geography of World Regions (3).  
An examination of the various global regions and their interrelationships. Specific emphasis is placed upon the dynamic and evolutionary nature of these regions with specific focus on their economic, cultural, and physical characteristics.  
Notes: Offered in spring.

FRENCH/GEOGRAPHY

Prerequisite for all 300-level courses in Geography: Sophomore status or permission of the instructor.

301. The Geography of North America (3).  
A regional study of Anglo-America with consideration of the relationships between the natural environments and social, political, and economic developments.  
Prerequisite(s): Sophomore status or permission of the instructor.  
Notes: Offered in spring of odd years.

302. Economic Geography (3).  
Provides an introduction to elementary locational theory, analyzing the spatial structures of primary, secondary, and tertiary economic activities, and also explores major linkages in the global economy.  
Prerequisite(s): Sophomore status or permission of the instructor.  
Notes: Offered in fall of odd years.

303. Geography of Africa (3).  
Geography of Africa presents Africa’s physical environment, its socio-cultural diversity, its colonial heritage, and its economic development.  
Prerequisite(s): Sophomore status or permission of the instructor.  
Notes: Offered in fall of even years. Cross-listed with AAMS 303.

304. Geography of the Middle East (3).  
This course surveys Southwest Asia and North Africa, a region commonly known as the Middle East and usually associated with arid climates, oil, Islam and Judaism.  
Prerequisite(s): GEOG 101.  
Notes: Offered variable times.

305. Introduction to Geographic Information Systems (3).  
Course discusses solving problems with spatial analysis by using geographic information systems, a powerful technology that combine layers of data in a computerized environment, creating and analyzing maps in which patterns and processes are superimposed.  
Prerequisite(s): GEOG 101 or 201 or permission of the instructor.  
Notes: Lab Fee: $50. Cross-listed with GEOL 305. Offered variable times.

306. Geography of Latin America and the Caribbean (3).  
This course surveys the geographic and historic factors, which contributed to the present-day complexity of Central America, South America, and the Caribbean.  
Prerequisite(s): GEOG 101 or 201. Sophomore status or permission of the instructor.  
Notes: Offered in spring even years.

310. Geography of the Carolinas (3).  
The changing cultural and economic utilization of the two Carolinas’ environment. Historical and problem oriented. Field trip.  
Prerequisite(s): Sophomore status or permission of the instructor.  
Notes: Lab Fee: $15. Offered variable times.
325. Traveling Seminar in Geography (3).
Problem-oriented short course which visits selected locations in Africa, North America, Mexico, or the West Indies.
Prerequisite(s): Sophomore status or permission of the instructor.
Notes: Offered variable times.

350. Special Topics in Geography (3).
A course, either systematic or regional in approach, that deals in-depth with a subject in geography not included in the established curriculum.
Prerequisite(s): Sophomore status or permission of the instructor.
Notes: Offered variable times.

495. Internship in Geography (3:0:0).
An opportunity for students to earn academic credit for experience gained through apprenticeship work under the supervision of a train professional.
Prerequisite(s): GEOG 101 or 201; Junior standing; and permission of program chair.
Notes: Offered in fall, spring and summer.

500. Global Environment and Sustainable Development (3).
This course discusses the question of sustainability, a new economic agenda of development that seeks a balance with issues of environmental protection and social equity so that the short-term needs of our generation do not compromise those of the future.
Prerequisite(s): GEOG 101.
Notes: Offered in fall.

The purpose of this course is to further develop skills and knowledge in concepts and techniques of GIS by studying its application to a variety of geographic and environmental problems (e.g., resource management, biophysical systems, business, public facilities, health and disease). For each application, the topics studied include the sources and properties of the data contained in the GIS, the functions and analysis used in the application, as well as the types and uses of graphic, tabular and data products of the application.
Prerequisite(s): Permission of instructor.
Notes: Offered variable times.

515. Traveling Graduate Seminar in Geography (3).
Problem-orientated short course, which visits selected locations in Africa, North America, Mexico or the West Indies.
Prerequisite(s): 6 hours of geography or permission of instructor.
Notes: Offered variable times.

Geology (GEOL)

101. Earth’s Dynamic Surface (3:2:2).
An introduction to rocks and minerals and processes which affect the surface of the earth.
Notes: Lab Fee: $40. A student may not receive credit for more than one of the following: GEOL 101; 110. Offered as needed.
320. Marine Geology (3).
An examination of the geologic features and uses of the ocean floor. Emphasis on the methods used by marine geologists.
Prerequisite(s): GEOL 110 or 210.
Notes: Offered as needed.

330. Southeastern Regional Geology (3:2:2).
A study of the major geologic provinces and features of the southeastern United States with emphasis on their origin and history.
Prerequisite(s): GEOL 101, 110, 210 or permission of instructor.
Notes: Lab Fee: $160. Offered as needed.

335. Fundamentals of Geochemistry (3).
Investigation of reactions controlling the geochemistry of the earth’s crust.
Prerequisite(s): CHEM 106.

340. Hydrogeology (3).
An environmentally based overview of the basic principles controlling the hydrologic cycle and the occurrence and movement of groundwater in a variety of geologic settings.
Prerequisite(s): CHEM 106 and GEOL 101 or GEOL 110.
Notes: Lab Fee: $40. Offered variable times.

351, 352, 353. Independent Study in Geology (2) (2) (2).
Directed study of diverse geological topics which extends individual opportunities beyond curriculum limits.
Prerequisite(s): Permission of the Department Chair and 6 hours of geology.
Notes: Offered in fall, spring and summer.

360. History of Life (3).
A survey of 3 billion years of life on Earth, with a focus on how biological, geological, and astronomical processes shaped living systems through time.
Prerequisite(s): Any geology or biology class, or permission of instructor.

401. South Carolina Natural History (4:3:1).
A field trip-based study of the influence of geology and geologic history on the evolution and distribution of South Carolina flora and fauna.
Prerequisite(s): BIOL 203/204, or GEOL 110/113, or GEOL 210 or GEOL 250/251.
Notes: Lab Fee: $160. Offered in spring.

551. Research (3:0:3).
Scholarly research conducted with geology faculty member.
Prerequisite(s): GEOL110/113, and GEOL210,220,340,360,or 401 and permission of the Department Chair.
Notes: Lab Fee: $50. Offered fall, spring and summer.

German (GERM)

Native speakers of a foreign language will not receive CLEP credit for the 101, 102, 201, or 202 courses in their native language, nor will they be permitted to enroll in 101, 102, 201, or 202 courses in that language. Students who are fluent in a language other than their native language or English may receive CLEP credit in that language, but may not enroll in 101, 102, 201, or 202 courses in the second language in which they are fluent.

Students may receive credit for GERM 101 by completing GERM 102 with a grade of B or higher. Credit for GERM 101 and/or 102 may be earned by completing GERM 201 with a grade of B or higher. Credit will not be given for courses for which university credit has been awarded previously. No grade is assigned to this credit. A grade is received only for the course taken at Winthrop. For further information, contact the Chair of the Department of Modern Languages.

101. Elementary German (4:3:1).
This is an introductory course intended for students who have not studied German previously. This course emphasizes the development of listening, speaking, reading and writing skills.
Prerequisite(s): Students with previous study of German should take the departmental placement test before enrolling in this course.
Notes: Lab Fee: $25. Offered in fall.

102. Intermediate German (4:3:1).
This course builds on German 101. There is continued emphasis on the development of listening, speaking, reading and writing skills.
Prerequisite(s): Completion of German 101 or equivalent with a grade of C (or S), a satisfactory score on the departmental placement test, or permission of the department chair.
Notes: Lab Fee: $25. Offered in spring.

201. Intermediate German (3:2:1).
This course is a comprehensive review of the fundamentals of German grammar. Emphasis is placed on further development of listening, speaking, reading and writing skills.
Prerequisite(s): Completion of GERM 102 with a grade of C (or S), a satisfactory score on the departmental placement test or permission of the department chair.
Notes: Lab Fee: $20. Offered in fall.

This course emphasizes the development of listening and speaking skills.
Prerequisite(s): Completion of GERM 201 with a grade of C (or S), or permission of the instructor.
Notes: Lab Fee: $20. Offered in spring.

206. German for Business (3).
This course concentrates on the development of language skills needed to conduct simple business transactions in German-speaking countries.
Prerequisite(s): GERM 201 or permission of the instructor.
210. Special Topics in Language and Culture (1-3).
Topics may focus on a literary period or author, language for specialized purposes (health professionals, social service agencies, etc.), history or culture.
Prerequisite(s): Completion of GERM 201 with a grade of C or S.
Notes: May be taken for credit three times under different topics with permission of Department Chair. Offered variable times.

250. Introduction to German Literature (3).
A prerequisite to the 401-402 sequence; introduces German majors to literary terminology, genres, and problems of reading/translation while systematically reviewing and refining language skills as encountered in the literature.
Prerequisite(s): GERM 201.
Notes: Offered variable times.

280. The German Film (3).
Introduction to significant examples of foreign language cinema as an art form and as embodiments of the culture of German speaking countries.
Prerequisite(s): 6 hours of Intermediate German.
Notes: Lab Fee: $20. Offered variable times.

300. German for Business (3).
Introduction to German language and culture with emphasis on the business environment.
Notes: Knowledge of German not required. Offered variable times.

301. German Civilization and Culture (3).
Traces the cultural development of Germany with emphasis on the study of music, art, architecture, literature, ideas, and “daily life” in their historical context.
Prerequisite(s): 6 hours of 200-level German.
Notes: Offered variable times.

310. Advanced Grammar and Composition (4).
Prerequisite(s): 6 hours of 200 level courses.
Notes: Offered variable times.

313. German Conversation (3).
Conversation.
Prerequisite(s): 6 hours of 200-level German.
Notes: Lab Fee: $20. Offered variable times.

401. Survey of German Literature (4).
A survey of the literature of Germany.
Prerequisite(s): GERM 250 and at least one German course on the 300-level or permission of the instructor.
Notes: Offered variable times.

450. Honors: Selected Topics in German (3).
This course enables a qualified student of German to earn honors status by engaging in sustained research on a focused topic approved by an advisor. The research will be shared in the form of an honors thesis.
Prerequisite(s): Permission of Chair or instructor and 18 semester hours in German.

499. Competency Exam (0).
Prerequisite(s): A grade of S or U recorded. Students must enroll for this exam after completion of 18 hours.
Notes: A grade of S or U recorded. Students must enroll for this exam after completion of 18 hours above 102, no later than the second semester of the junior year, and before enrollment in any 500 level course. Offered in fall and spring.

506. German Critical Thought and Thinkers (3).
Will introduce the student to the richness of critical thought found in the intellectual heritage of German speaking countries.
Notes: Offered variable times.

510. Special Topics in German Language and Literature (3).
Advanced seminar offers the faculty and students an opportunity to intensively investigate a single author, movement or genre in Austrian, German and Swiss literature.
Notes: Offered variable times. May be taken for additional credit with permission of Department Chair.

520. Interrelation of German Music and Literature (3).
Examines the important interrelation between word and music in Germany and Austria in the 18th-, 19th- and 20th-centuries.
Notes: Offered variable times.

575. German Literature in Translation (3).
Readings and discussions of major works of German literature in English translation. A knowledge of German is not required. Course content can vary depending on the instructor.
Prerequisite(s): Open to advanced undergraduates and graduate students.
Notes: Offered variable times.

580. Techniques of Translation and Interpretation (3).
Will introduce the advanced German students to techniques and stylistics of translation and interpretation, essential skills necessary both for scholarship and for employment options with international agencies.
Notes: Offered variable times.

Gerontology (GRNT)

300. Introduction to Gerontology (3).
An integrated overview of the dominant forces affecting aging in human society. These include biological and health factors, psychological and social factors, economic and legal factors, cultural and political factors.

301. Biology of Aging (3).
Study of the biological changes that accompany aging. The course examines the biological process of aging at a
variety of levels ranging from molecular-cellular changes up to the physiology of whole organ systems. Prerequisite(s): HMXP 102 and at least junior standing. Notes: Cross-listed with SCIE 301. Offered in fall of even numbered years and in summer.

304. Death and Grief as Social Processes (3).
Analysis of these experiences as related to society’s network of cultural values and organizational structures. Prerequisite(s): SOCL 101 or SOCL 201 or permission of instructor.
Notes: Cross-listed with SOCL 304.

305. Human Behavior in the Social Environment (3).
Study of social systems approach to understanding human behavior and development throughout the lifespan using a biophysical, psychological, and social multidimensional framework for assessing social function. Prerequisite(s): PSYC 101, SCWK 200, ANTH 201, SOCL 201 and SCIE/GRNT 301 (may be taken concurrently) or permission of instructor.
Notes: Cross-listed with SCWK 305.

440. Internship in Gerontology (3).
Special agency placement course. Prerequisite(s): Minoring in Gerontology or pursuing Gerontology certificate, approval from coordinator of the program and GRNT 300.
Notes: Offered in fall, spring and summer. A grade of S or U is recorded.

504. Sociology of Aging (3).
Analysis of the major social forces which affect aging and the ways modern society responds in planning for its elderly.
Notes: Cross-listed as SOCL 504. Offered in spring.

Health (HLTH)

234. Strategies for Teaching Health for the K-12 Physical Educator (3:3:10).
This course is designed to provide future physical educators strategies for teaching health and to provide an opportunity for application in the classroom setting. Prerequisite(s): HLTH 300.
Notes: Offered in fall.

300. Personal and Community Health (3).
A study of health issues and problems as they relate to the individual.
Notes: Offered in fall and spring.

303. Methods of Teaching Health Education in Elementary School (2).
A methods course of study in Comprehensive School Health with emphasis on teaching strategies which develop elementary school childrens’ ability to make intelligent, sound, personal, and community health decisions. Prerequisite(s): Admission to Teacher Education Program.
Notes: Offered in fall and spring.

500. Contemporary Health Problems (3).
A practical experience in the study of current health issues. Prerequisite(s): HLTH 300 or equivalent. Notes: Offered every other fall. Junior status.

501. Substance Abuse Education (3).
A study of substance abuse and an overview of current methods of treatment, education and prevention. Prerequisite(s): PSYC 101 or SOCL 201 or HLTH 300 or permission of instructor.
Notes: Offered in spring. Junior status.

506. Human Sexuality (3).
A study of the problems, questions and issues of human sexuality as they relate to personal health and well-being. Notes: Offered in fall and spring. Junior status.

507. Women’s Health Issues (3).
A study of the problems, questions and issues of women’s health as they relate to personal and community health and well-being. Notes: Cross-listed with WMST 507. Offered every odd fall. Junior status.

Health Care Management (HCMT)

200. Introduction to Health Care Management (3).
Review of the current and historical social, political, and scientific factors that influence the US Health Care System. Students are introduced to the structure, organization, financing, utilization, and history of health and medical care services in the United States. International and US health trends are reviewed. Course meets social science requirement for General Education Requirements. Notes: Offered in fall and spring.

All HCMT courses above 299 have a prerequisite of junior status, an overall GPA of at least 2.00 and a C- or better in HMXP 102.

300. The Health Care Manager (3).
Introduction to and analysis of managerial roles and practices in health care organizations. This course develops basic managerial competencies appropriate for future managers in the health care industry. Corequisite(s): HCMT 200. Notes: Offered in spring.

302. Health Care Planning and Marketing (3).
Analysis of cost, quality, and access issues in US health care system. Discussion and application of marketing and planning principles as they apply to health care organizations. Prerequisite(s): For admission to HCMT classes above 299, students must have junior status and an overall GPA of at least 2.00.
HEALTH CARE MANAGEMENT/HISTORY

Corequisite(s): HCMT 200.
Notes: Offered in fall.

303. Health Care Organizations and The Legal Environment (3).
A survey of the legal environment of the health care industry and discussion of current ethical issues facing health care managers. Emphasis on contracts, torts, the legal process and ethical issues as they relate to the health care manager.
Corequisite(s): HCMT 200.
Notes: Offered in fall.

304. Health Care Organizations and The Legal Environment (3).
A survey of the legal environment of the health care industry and discussion of current ethical issues facing health care managers. Emphasis on contracts, torts, the legal process and ethical issues as they relate to the health care manager.
Corequisite(s): HCMT 200.
Notes: Offered in fall.

491. Health Care Management Internship (3:0:0).
Full-time, 400-hour, supervised field experience to apply health care management skills and knowledge in an organizational setting.
Prerequisite(s): HCMT 200, 302, and 303 or 300. Must have a C- or better in all previous HCMT courses.
Notes: Offered only in summer. A grade of S or U is recorded.

492. Health Care Economics and Finance (3).
Examination of basic health economic principles such as supply and demand issues. In-depth examination of health care reimbursement issues. Review of trends and consequences of changing reimbursement. Discusses cost management and internal financial structure, policies and procedures.
Prerequisite(s): HCMT 200, 300, ACCT 280, and ECON 215.
Notes: Offered in spring.

493. Seminar in Health Care Management (3).
Capstone course designed to integrate all subjects of the health care management curriculum.
Prerequisite(s): HCMT 200, 300, 302, 303, ACCT 280, and ECON 215.
Notes: Offered in fall.

History (HIST)

111. World Civilizations to 950 (3).
A survey of major civilizations of the world until about 950.
Notes: Offered in fall, spring and summer.

112. World Civilizations from 950 - 1750 (3).
A survey of major civilizations of the world from about 950 to about 1750.
Notes: Offered in fall, spring and summer.

113. World Civilizations since 1750 (3).
A survey of major civilizations of the world since about 1750.
Notes: Offered in fall, spring and summer.

211. United States History to 1877 (3).
A survey of political, diplomatic, economic, social, intellectual and ethnic developments through Reconstruction with attention to development of the Federal Constitution.
Notes: Offered in fall, spring and summer.

212. United States History since 1877 (3).
A survey of political, diplomatic, economic, social, intellectual and ethnic developments since Reconstruction with attention to development of the Federal Constitution.
Notes: Offered in fall, spring and summer.

Prerequisite for all 300 and 500 level courses in History:
Sophomore standing or permission of the Chair, Department of History.

300. Historiography and Methodology (3:2:2).
Intensive study and practice in historical writing and research with an overview of historiography and the nature of the discipline of history.
Prerequisite(s): CRTW 201, HIST 211 and 212, and two from HIST 111, 112, and 113, or permission of instructor.
Notes: Intensive Writing and Intensive Oral Communication course. Offered in fall and spring.

300L. Historiography and Methodology Lab (0).
Historiography and Methodology Lab.

302. Modern Civil Rights Movement (3).
A reading intensive, discussion-based seminar that examines African Americans’ 20th century struggles for racial equality and full citizenship and how that struggle interacted with the economic, political, and cultural forces that have shaped modern America.
Prerequisite(s): Sophomore standing.
Notes: Offered variable times.

308. American Ethnic History (3).
Notes: Cross-listed with AAMS 308. Offered variable times.

310. The History of Women in America (3).
Beginning with the colonial period and extending through the contemporary women’s movement, this course will examine the role women have played in the development of American Society.
Notes: Offered variable times.

313. Native American History (3).
Survey of Native American History from ancient American to the present.
Notes: Offered variable times.

314. Colonial North America (3).
History of North America from initial contact between European and Indian peoples through the eve of the Revolutionary War. Particular attention will be devoted to examining the changing relationships between European, Indian, and African peoples as well as to the internal evolution of these diverse societies.
Notes: Offered variable times.

315. Civil War and Reconstruction (3).
A history of the coming of the American Civil War, the War itself and the ensuing Reconstruction period.
321. Southern Religious History (3).
A social and cultural history of religion in the South from the colonial era until the present day.

Notes: Offered variable times.

331. Asian Civilizations: Traditional Asia (3).
A survey of the history and culture of Asia from the earliest times to the fall of the traditional Asian empires about 1700.
Notes: Offered variable times.

332. Asian Civilizations: Modern Asia (3).
A survey of the history and culture of Asia from the coming of European power about 1500 until the present day.
Notes: Offered variable times.

337. Early Africa (3).
This course is a survey of African history from the origins of Homo Sapiens through the era of the trans Atlantic slave trade. Throughout the course we will examine the concepts underlying African political systems, religious institutions and patterns of economic behavior. By the end of the course students should gain a better understanding of the diversity of primary resources used to construct African history and recognize the limitations of Eurocentric visions of African history.
Notes: Cross-listed with AAMS 337. Offered variable times.

338. Modern Africa (3).
This course examines the events and processes leading up to the colonization of Africa and the subsequent changes in African society under colonial rule and after independence. The course focuses upon the ways in which Africans have shaped their own past and the ways in which Africa has interacted with the world system.
Notes: Cross-listed with AAMS 339. Offered variable times.

340 A, B, C. Cooperative Education Experience (1) (2) (3).
Provides on-the-job training in a professional field related to a student's major or career interests.
Prerequisite(s): Overall GPA 2.5 and minimum of 24 earned undergraduate semester hours. Placement objectives must be approved by Department Chair prior to enrollment.
Notes: For history majors only. Courses may be repeated for credit; however, a maximum of 3 hours may be applied toward a degree in History. A student may not receive credit for both HIST 463 and HIST 340. A grade of S or U is recorded. Offered variable times.

343. European History from the Renaissance through the Age of Reason (3).
A study of political, intellectual and cultural developments from 1400 to 1789.
Notes: Offered variable times.

344. European History from the Age of Reason to the Versailles Settlement (3).
A study of political, social, economic, diplomatic and intellectual developments from 1789 to the end of World War I.

Notes: Offered variable times.

345. European History Since 1914 (3).
History of Europe since the beginning of the First World War, including the rise of fascism and communism, the Second World War and the Holocaust, the growth of the welfare state, the Cold War, and the collapse of communism, examined within the context of wide-ranging social and cultural change.

346. History of England to 1603 (3).
A study of the political, social, and economic developments in England from the coming of the Romans to the death of Elizabeth I.
Notes: Offered variable times.

347. History of England from 1603 to the Present (3).
A study of the history of modern England, with emphasis on her emergence as a great imperial power, from the accession of James I to the present.
Notes: Offered variable times.

350. Special Topics in History (3).
In-depth consideration of a specific topic of particular concern within history. May be offered under various topics.
Notes: May be repeated for credit under different topics. Offered variable times.

351. Latin American History (3).
A survey emphasizing Iberian and pre-Columbian civilizations, colonial administration and society, the struggle for independence, and political, economic and social developments as independent nations.
Notes: Offered variable times.

352. History of United States-Latin American Relations (3).
This course offers an introduction to the history of political, economic, and cultural relations between Latin America and the United States from the early nineteenth century to the present. Since the years of independence, the United States and the Latin American countries have engaged in a variety of interactions, ranging from collaboration to open confrontation. This course seeks to expose the patterns of these relations as well as its new features.

An introduction, overview, and in-depth study of a particular country or region which will accompany a study tour of the same region.
Prerequisite(s): Permission from instructor required.

410. Gandhi (3).
This course will attempt an overview of the life, accomplishments, ideas, sources, and ongoing impact of one of the most amazing individuals of this century, Mohandas Karamchand Gandhi, better known as Mahatma Gandhi. In addition to surveying the life and historical context and achievements of Gandhi, the course examines his intellectual and political sources and origins Gandhian influences and the contemporary relevance.
450. Selected Topics in History (3).
An independent in-depth inquiry, into a selected topic in history.
Notes: Requires approval of Department Chairperson. Offered in fall and spring.

463. Academic Internships in History (3).
Notes: Open to majors only. Requires approval of Department Chair. A grade of S or U is recorded. Offered in fall, spring and summer.

471. Undergraduate Research in History (1).
An opportunity for undergraduate students to engage in intensive research in a historical topic under the guidance of a member of the history faculty.
Notes: Requires approval of department chair. Offered in fall, spring and summer.

501. The History of Social Movements in America (3).
The History of Social Movements in America deals with the struggles of American citizens from the 18th through the 21st centuries. This course examines the actions, the rhetoric, and the impact of social movements in American history over time and explores the connections between local grassroots efforts and national political action.
Prerequisite(s): HIST 211 and 212.
Notes: Offered in spring.

505. History of South Carolina (3).
A survey of the development of South Carolina, emphasizing political, economic and cultural developments.
Notes: Offered variable times.

507. Cultural and Intellectual History of the United States (3).
A study of American thought and culture from the colonial era until the present day.

A survey of the experiences and contributions of blacks from the African origins to the present.
Notes: Offered variable times.

515. The United States as a World Power since 1898 (3).
A survey focusing on the principles of American foreign policy and their historical evolution.
Notes: Offered variable times.

518. A History of the Old South (3).
A history of the Old South from its founding to the eve of Civil War.
Notes: Offered variable times.

521. The New South (3).
A study of Southern institutional development from Reconstruction to the present.
Notes: Offered variable times.

524. The Emergence of Modern America, 1877-1933 (3).
Notes: Offered variable times.

525. The United States since 1939 (3).
A study of political, social, economic, and diplomatic developments since 1939 with particular attention to the recent past.
Notes: Offered variable times.

527. The American Revolution (3).
Explores the origins, substance, and outcome of the American Revolution from the French and Indian War through the Federalist Era. Particular attention will be devoted to examining the different expectations that different segments of colonial society brought to the Revolution and the extent to which these hopes were realized by the creation of a New Nation.
Notes: Offered variable times.

530. World Environmental History (3).
A comparative examination of world environmental history.
Notes: Offered variable times.

540. Ancient Greece and Rome (3).
A survey of the history of Greece and Rome from the first Bronze Age civilization on Crete to the barbarian migrations of the 5th-century A.D.
Notes: Offered variable times.

542. Medieval European History (3).
A study of European politics, society and culture from the fall of the Roman Empire to the 15th-century.
Notes: Offered variable times.

547. History of Modern Russia (3).
A survey of Russian history, focusing on events from the development of revolutionary movements in the 19th-century until the present.
Notes: Offered variable times.

548. History of Modern Germany (3).
History of Germany since the 1850s, including the rise of Bismarck, the unification of Germany, the First World War, Hitler, the Third Reich, the Holocaust, division between East and West in the Cold War, and reunified Germany’s present-day dominate role in Europe.

550. Special Topics in History (3).
Advanced in-depth consideration of specific topics of particular concern within history.
Notes: May be retaken for additional credit under different topics. Offered variable times.
551. The Middle East since Islam (3).
A survey of the history of the modern Middle East since the rise of Islam.
Notes: Offered variable times.

552. South Asia since 1600 (3).
A survey of modern South Asia (India, Pakistan, Bangladesh, etc.) since 1600.
Notes: Offered variable times.

553. China since 1600 (3).
A survey of the history of modern China since circa 1600 (since the Qing Dynasty).
Notes: Offered variable times.

560. The History of Mexico and Central America (3).
The study of the social, economic and diplomatic evolution of Mexico and Central America from the colonial period to the present.
Notes: Offered variable times.

561. The History of the Caribbean (3).
The study of socioeconomic and political trends of the major islands in the Caribbean Sea from the colonial period to the present.
Notes: Cross-listed with AAMS 561. Offered variable times.

590. Capstone Seminar in History (3).
This capstone course is required of all history majors, preferably in the senior year. Students will conduct extensive research in both primary and secondary sources, write a substantial research paper (at least twenty pages), lead class discussions, and present the results of their research and defend their theses orally, much as professional historians do at a conference. In sum, students will utilize the skills they have learned as history majors and Winthrop undergraduates to produce a substantial piece of historical research.
Prerequisite(s): Undergraduate history majors who have completed HIST 300 with a grade of C or better.
Notes: Limited to History majors only. Offered fall and spring.

Honors (HONR)

201H-209H. Honors Symposium (1).
Selected topics courses offered fall and spring semesters for honors credit.
Prerequisite(s): Sophomore standing.

360H. Summer Study Honors (3).
Sophomores, juniors or seniors may elect summer projects for Honors credit in a field of their interests under the direction of an instructor of their choice. The project may be off campus but must be approved by the instructor and the Honors Director in advance. This project may take the form of a course in reading, in which an examination would be administered in the fall.

450H. Thesis Research (3).
An in depth independent inquiry into a selected topic within the student’s major program of study.

This symposium is designed for honors students currently writing the honors thesis. The students will be engaged in discussion of their research topics, the “how to” of thesis research, and thesis guidelines, timelines, and deadlines. Each student is required to present the research at the Senior Honors Thesis Colloquium.
Notes: Offered in fall, spring and summer.

560H, 561H. Individual Directed Study (3).
Juniors or seniors may elect individual directed study to be guided by an instructor of their choice in accordance with a plan approved by the Honors Director.
Notes: A grade of S or U is recorded.

Human Experience (HMXP)

Students will find academic engagement and intellectual challenge through their own written and oral responses to mature interdisciplinary readings—readings that explore the “self” in four thought-provoking contexts.
Prerequisite(s): WRIT 101 with a grade of C- or better.
Notes: A grade of C- or better is required in HMXP 102.
Offered in fall, spring and summer.

Human Nutrition (NUTR)

Students will learn how to carry out simple scientific investigations. Emphasis will be on investigative processes, rather than on scientific content. Students will design and execute controlled experiments or observation, analyze data, draw conclusions and write reports on their results.
Prerequisite(s): HMXP 102 and MATH 105 or 150 or 201 or any course with MATH 201 as a prerequisite.
Notes: Lab Fee: $35. For 5 hours per week (2.5 hrs per session) in combined lecture/lab format. Offered in fall, spring and summer.

208. Weight Control Through Diet and Exercise (2:1:2).
Lecture and laboratory designed to demonstrate principles of nutrition and exercise related to the control of body weight.
Notes: Cross-listed with PHED 208. Offered in spring.

221. Human Nutrition (3).
Basic nutrition concepts applied to the needs of individuals, families and communities.
Notes: Lab Fee: $10. Offered in fall, spring and summer.

226. Orientation to Dietetics (1).
History and role of Registered Dietitians on health care teams. Introduction to experiential and academic requirements for accredited dietetic internships.
Prerequisite(s): Human Nutrition majors only.
Notes: Offered in fall and spring.

227. Medical Terminology (1).
Basic medical language used in scientific inquiry and health care environments.
Prerequisite(s): NUTR 221.
231. Food Composition (3).
Basic principles of food technology and nutrient composition of foods.
Prerequisite(s): NUTR 221 may be taken as a co-requisite.
Corequisite(s): NUTR 232.
Notes: Offered in fall, spring and summer.

232. Food Composition Laboratory (1:0:3).
Basic food technology and food composition experiments conducted in laboratory.
Prerequisite(s): NUTR 221.
Notes: Lab Fee: $40. Offered in fall, spring and summer.

340 A, B, C. Cooperative Education Experience (1) (2) (3).
Provides on-the-job training in a professional field related to a student’s major or career interests.
Prerequisite(s): Overall GPA 2.5 and minimum of 24 earned undergraduate semester hours. Placement objectives must be approved by Department Chair prior to enrollment.
Notes: For Human Nutrition majors only. Courses may be repeated for credit; however, a maximum of 3 hours may be applied toward a degree in Human Nutrition. A grade of S or U is recorded. Offered variable times.

370. Food and Nutrition in Cultural Perspective (3).
Historical, religious, and socio-cultural influences on the development of cuisine, meal patterns, eating customs, and nutrition status of various ethnic groups.
Prerequisite(s): NUTR 221.
Notes: Offered in spring.

Systems approach to foodservice, menu engineering, history and types of foodservice operations.
Prerequisite(s): NUTR 221, 231, 232, completion of general education math and technology requirements.
Notes: Offered in fall.

421. Nutrition through the Life Span (3).
Nutrient utilization and requirements in human beings throughout the life cycle.
Prerequisite(s): NUTR 221 with a grade of C or higher, and CHEM 106/108.
Notes: Lab Fee: $15. Offered in fall.

Introduction to the nutritional management of disease, medical terms, assessment, interviewing and counseling in clinical environment.
Prerequisite(s): NUTR 421 (grade of C or higher), and BIOL 308.
Notes: Lab Fee: $10. Offered in spring.

428. Community Nutrition (3).
Nutritional studies of groups and community resources and programs providing nutritional services.
Prerequisite(s): NUTR 427 or permission on instructor.
Notes: Offered in fall.

450. Honors: Selected Topics in Food and Nutrition (3).
Preparation and execution of an honors project.
Prerequisite(s): 16 semester hours in NUTR courses and consent of faculty adviser.
Notes: Offered in fall and spring.

471. Institutional Foodservice Procurement and Production (3).
Principles of menu planning, quantity food purchasing, production and service.
Prerequisite(s): NUTR 221, 231, and 232; NUTR 371 with minimum of grade of C; and completion of general education mathematics and technology requirements.
Notes: Offered in spring.

480. Nutrition Education Theory & Practice (3).
Apply communication and education theories to professional dietetics practice in clinical and community settings.
Prerequisite(s): NUTR 471.
Notes: Offered in spring.

491. Internship Experience (3).
Provides training in a professional environment. Course may be repeated for credit; however, a maximum of 6 hours of internship experience credit may be applied toward the Bachelor of Science degree in Human Nutrition.
Prerequisite(s): Permission of the Department Chair.
Notes: A grade of S or U is recorded. Offered in fall, spring and summer.

Courses numbered above 499 have a prerequisite of junior status (54 hours) or permission of the Chair of the Department of Human Nutrition.

520. Sports Nutrition (3).
Assessment of specific nutritional needs of intercollegiate and recreational athletes.
Prerequisite(s): NUTR 221.
Notes: Offered in spring.

520H. Sports Nutrition (3).
Assessment of specific nutritional needs of intercollegiate and recreational athletes.
Prerequisite(s): NUTR 427 and permission of Department Chair.
Notes: Offered in spring.

521. Nutrition and Metabolism (3).
Physiological and biochemical bases of nutrient utilization and energy metabolism.
Prerequisite(s): BIOL 308, CHEM 521, NUTR 421 (grade of C or higher).
Notes: Lab Fee: $15. CHEM 521 may be taken as a corequisite. Offered in fall.

523. Food Science Principles (3).
Chemical and physical factors affecting food composition and quality.
Prerequisite(s): Grade of C or higher NUTR 231 and 232; CHEM 106/108 or equivalent; or permission of instructor.
Corequisite(s): NUTR 524.
Notes: Offered in spring.

524. Sensory and Objective Evaluation of Foods (1:0:3).
Sensory and objective evaluation of food products prepared in the laboratory.
Corequisite(s): NUTR 523.
Notes: Lab Fee: $50. Offered in spring.

527. Medical Nutrition Therapy (3).
Nutritional requirements and care of acutely ill individuals.
Prerequisite(s): NUTR 427; CHEM 301 or 310/311.
Notes: Lab Fee: $15. Offered in fall.

534. Seminar in Human Nutrition (3).
Contemporary issues, trends and research in human nutrition are discussed and evaluated critically. Special emphasis on assessment, evaluation and documentation of nutrition status.
Prerequisite(s): NUTR 427 or permission of Department Chair.
Notes: Offered in fall. Intensive Writing course.

551-569. Special Topics: Food and/or Nutrition (1, 2, or 3).
Individual student projects executed in the laboratory, library and/or in the community.
Prerequisite(s): Permission of department chair.
Notes: Offered in fall and spring.

Integrated Marketing Communication (IMCO)

105. Introduction to Integrated Marketing Communication (1).
An introduction to the principles and practices of integrated marketing communication, including attention to advertising, public relations and sales promotion.
Notes: Offered in spring.

475. Senior Seminar in Integrated Marketing Communication (3).
Integrative seminar in integrated marketing communication theory, practices and professional philosophy. Capstone course for integrated marketing communication majors.
Prerequisite(s): Senior standing, C- or better in MCOM 341, 370, MKTG 481, and 2.0 or higher GPA and IMCO major status or written permission by the Department Chair.
Notes: Offered in fall and spring.

238. Textiles and Materials (3).
Study of soft-surface (textiles and carpeting) and hard-surface interior building material properties, application, and performance criteria used in the residential and non-residential interior environments. Sustainable design principles will be emphasized.
Prerequisite(s): INDS 101, INDS 111, VCOM 120.
Notes: Lab Fee: $20. Offered in Fall only. Students will not receive credit for both INDS 242 and INDS 238.

271. Interior Design and Architectural History I (3).
Historic development of interior design and architectural elements related to major styles from antiquity to Neo-Classical in Europe and America. Emphasizes building form and furnishing precedents and application of elements and principles of design used in current design practice.
Prerequisite(s): ARTH 175, INDS 101, INDS 111.
Notes: Offered in Fall only. Students may not receive credit for both INDS 337 and INDS 271.

272. Interior Design and Architectural History II (3).
Historic development of interior design and architectural elements related to major styles from Neo-Classical primarily in Great Britain and America, to the 21st Century, primarily in Europe and America. A study of
significant interior designers and architects of the Modern period and the application of elements and principles of design used in current design practice. Prerequisite(s): INDS 271.
Notes: Students will not receive credit for both INDS 338 and INDS 272. Offered in Spring only.

All INDS Studio courses (3:7) numbered above 299 have a prerequisite of successful completion of the Specialization Portfolio Review or permission of the Chair of the Department of Design.

300. Interior Design Portfolio Review (0).
Review of student proficiency for acceptance into second year of study with a major in the Interior Design degree program. Declared Interior Design majors must enroll for, and pass, this review to enroll in INDS courses numbered above 299.
Prerequisite(s): INDS 101, INDS 111, INDS 213, INDS 223, VCOM 120.
Corequisite(s): INDS 213, INDS 223.
Notes: Offered in fall, spring and summer.

A continuation of INDS 213, with an emphasis on the study of various small to large-scale interior public spaces, environments and other non-residential building types. Course includes analysis, space planning and design of a non-residential environment.
Prerequisite(s): Passage of INDS 300 Portfolio Review.
Corequisite(s): INDS 238, INDS 323.
Notes: Lab Fee: $45. Offered in fall only.

A continuation of INDS 223, with an emphasis on both advanced black-and-white design drawing hand (non-computer) rendering skills and color rendering, and limited computer rendering skills using industry standard software.
Prerequisite(s): Passage of INDS 300 Portfolio Review, CSCI 101 & 101A, B & F (pre- or co-requisite).
Corequisite(s): CSCI 101, 101A, B & F, INDS 313.
Notes: Lab Fee: $45. Offered in fall only.

325. CAD for Interior Design (3:1:4).
Use of computer-aided two- and three-dimensional drafting design software, and development of skills for creating and plotting of interior design technical and presentation drawings.
Prerequisite(s): Passage of INDS 300 Portfolio Review, INDS 238, INDS 313, INDS 323.
Corequisite(s): IDS 331, INDS 353.
Notes: Lab Fee: $45. Students may not receive credit for both INDS 234 and INDS 325. Offered in spring only.

Introduction to building systems within building shells for the interior designer, including plumbing, HVAC, electrical, communications, energy and sustainability; in order to understand the relationship of these systems regarding the technical (architectural and engineering) and creative (interior design) application to an interior environment.
Prerequisite(s): INDS 325.
Corequisite(s): INDS 329, INDS 336, INDS 357.
Notes: Lab Fee: $35. Offered in fall only.

The study of interior design contract documents: technical (working) drawings including interior details and specifications for the interior designer.
Prerequisite(s): INDS 325.
Corequisite(s): INDS 326, INDS 336, INDS 357.
Notes: Lab Fee: $35. Students will not receive credit for both INDS 320 and INDS 329. Offered in fall only.

331. Lighting Design (3:2:2).
The study of natural and artificial lighting fundamentals and design for residential and non-residential built interior environments. The effect of interior lighting on human physiological and psychological functioning of the intended occupant(s) will be emphasized.
Prerequisite(s): Passage of INDS 300 Portfolio Review, INDS 238, INDS 313, INDS 323.
Corequisite(s): INDS 325, INDS 353.
Notes: Lab Fee: $45. Students may not receive credit for both INDS 252 and INDS 331. Offered in spring only.

336. Codes and Standards (3).
The study of relevant Architectural Building Codes and Standards, state and local laws and ordinances, and federal laws used for the regulation of building construction, renovation, fire safety, and health and safety for interior environments within the building shell.
Prerequisite(s): INDS 325, INDS 331, INDS 353.
Corequisite(s): INDS 326, INDS 329, INDS 357.
Notes: Lab Fee: $20. Offered in fall only.

340. Cooperative Education Experience (3).
A cooperative education experience to provide training for the INDS major in a professional environment. A maximum of 6 hours of cooperative education may be applied toward the Bachelor of Fine Arts degree.
Prerequisite(s): Passage of INDS 300 Portfolio Review, INDS 325, INDS 353.
Notes: Cross-listed with VCOM 340 and ARTT 340. Offered in spring and fall.

Residential space planning and interior design with a focus on the contemporary individual/family and their requirements. Emphasis on three-dimensional spatial development, application of color theory, selection and coordination of residential furnishings and finish materials.
Prerequisite(s): Passage of INDS 300 Portfolio Review, INDS 238, INDS 313, INDS 323.
Corequisite(s): INDS 325, INDS 331.
Notes: Lab Fee: $35. Offered in Spring only. Students will not receive credit for both INDS 231 and INDS 353.

Advanced residential interior design with an emphasis on larger scale interior environments and various residential options for the aging America population,
other special needs residential environments for various occupancy types.
Prerequisite(s): INDS 325, INDS 331, INDS 353.
Corequisite(s): INDS 326, INDS 329, INDS 336.
Notes: Lab Fee: $40. Offered in fall only. Students may not receive credit for both INDS 333 and INDS 357.

Integration of computer software applications and the development of advanced skills used in the creative design process, in interior design technical and graphic presentation techniques and drawings.
Prerequisite(s): INDS 325, INDS 335, INDS 357.
Corequisite(s): INDS 453.
Notes: Lab Fee: $40. Offered in spring.

429. Professional Practices (3).
The study of professional procedures and practices of the interior design profession.
Prerequisite(s): INDS 329, INDS 336.
Notes: Offered in Spring only.

Principles of fabric design with woven structures.
Prerequisite(s): Permission of the instructor.
Notes: Lab Fee: $45. Offered in fall and spring.

450. Honors: Selected topics in Interior Design (3).
Preparation and execution of an honors project.
Prerequisite(s): 16 semester hours in ARTH, ARTS, INDS courses, consent of faculty adviser, and permission of Chair, Department of Design.
Notes: A grade of S or U is recorded. Offered in fall.

Space planning, design, and documentation of interior environments for corporate and professional offices, public areas in office buildings, and other related commercial environments.
Prerequisite(s): INDS 326, INDS 329, INDS 336, INDS 357.
Corequisite(s): INDS 425.
Notes: Lab Fee: $45. Offered Spring only. Students may not receive credit for both I NDS 432 and INDS 453.

Space planning, design, and documentation of large-scale and complex public environments such as hospitality (restaurants and lodging), educational, healthcare, and other non-office interior spaces.
Prerequisite(s): INDS 425, INDS 453.
Notes: Lab Fee: $30. Offered fall only. Students may not receive credit for both IND S 433 and INDS 455.

481, 482, 483. Special Topics in Interior Design (1:2) (2:4) (3:6).
Extends individual opportunities in interior design beyond existing curriculum limits.
Prerequisite(s): Permission of Department Chair.
Notes: Offered in fall, spring and summer.

485. Portfolio Preparation (1:0:2).
A supplemental course to the capstone experience for majors in Interior Design. Reviews the development of a self-generated, comprehensive portfolio in conjunction with the senior thesis design project.
Prerequisite(s): INDS 455, INDS 487.
Corequisite(s): INDS 488.
Notes: Lab Fee: $50. Offered in spring.

487. Senior Thesis Preparation (3).
The first of a two-part capstone experience; with directed instruction the student will select a major and complex project building type, and proceed with relevant information gathering, interviews with practicing professionals, and produce a detailed written thesis document.
Prerequisite(s): INDS 429, INDS 453, WRIT 465 (pre- or co-requisite).
Corequisite(s): WRIT 465.
Notes: Lab Fee: $15. Offered in fall only.

488. Senior Thesis (4:0:8).
The final assessment course and the second part of the capstone experience formajors in interior design. Requires space planning, design, and documentation(interior design technical drawings and product specifications) of a self-generated project proposed during Thesis Preparation. The final review will consist of a comprehensive juried design project.
Prerequisite(s): INDS 455, INDS 487, INDS 485 (pre- or co-requisite).
Corequisite(s): INDS 485.
Notes: Lab Fee: $40. Offered in spring only.

International Area Studies (INAS)

275. Culture of the American South (3:2:1).
Multi-disciplinary course exploring the history, politics, religion, arts, cuisine, and culture of the American South.
Notes: Lab Fee: $100. Offered in spring.

Interdisciplinary work experience overseen by a professional at an approved location outside of the United States under the academic direction of a Winthrop University professor. Students are required to work in an approved volunteer activity while pursuing individual or group academic research pertinent to the service area.
Notes: Course maybe repeated for credit. Offered in fall, spring and summer.

425. Seminar in International Area Studies (3).
Interdisciplinary study of a contemporary multicultural, multinational, or global problem.
Notes: Offered variable times.

Interdisciplinary work experience overseen by a professional at an approved location outside of the United States under the academic direction of a Winthrop University professor. Students are required to work in an approved volunteer activity while pursuing individual or group academic research pertinent to the service area.
Notes: Course may be repeated for credit. Offered in fall, summer and spring.
ITALIAN/JAPANESE/LATIN/LEADERSHIP STUDIES/MANAGEMENT

Italian (ITAL)

101. Elementary Italian (4).
Elementary language requiring no previous experience. Basic skills of speaking, listening comprehension, reading and writing.
Notes: Lab Fee: $25. Offered in fall.

102. Elementary Italian (4).
Basic skills of speaking, listening comprehension, reading and writing.
Prerequisite(s): Students who elect to take a 101 language course must receive at least a C (or S) in that language course before continuing on to 102 of that language.
Notes: Lab Fee: $25. Offered in spring.

Japanese (JAPN)

Introduction to elementary Japanese language with emphasis on the four skills of conversation, comprehension, reading and writing.
Notes: Lab Fee: $25. Offered in fall.

Introduction to elementary Japanese language with emphasis on the four skills of conversation, comprehension, reading and writing. This course is the continuation of JAPN 101.
Prerequisite(s): Students who elect to take a 101 language course must receive at least a C (or S) in that language course before continuing on to 102 of that language.
Notes: Lab Fee: $25. Offered in spring.

Latin (LATN)

Notes: Lab Fee: $25. Offered in fall.

102. Elementary Latin (4).
Prerequisite(s): Students who elect to take a 101 language course must receive at least a C (or S) in that language course before continuing on to 102 of that language.
Notes: Lab Fee: $25. Offered in spring.

201. Intermediate Latin (3).
Prerequisite(s): LATN 102 or equivalent study of the language. Students who have completed at least two years of Latin in high school with a grade of A or B are encouraged to enroll in LATN 201. With a grade of C or better (or S), such students will receive credit, but no grade for both LATN 101 and 102.
Notes: Lab Fee: $20. Offered variable times.

Leadership Studies (LEAD)

175. Living and Learning to Lead (1).
Introduction to leadership theory and leadership opportunities at Winthrop University.
Notes: Offered in spring and fall.

475. Leadership Dynamics (3).
Develop an understanding of the theoretical background of leadership through study of selected readings and research; explore philosophical issues of leadership; observe and apply leadership skills in case analysis; use diagnostic tools to explore strengths and areas for self development.
Prerequisite(s): LEAD 175.
Corequisite(s): LEAD 476.
Notes: Offered in spring and fall.

476. Leadership Lab (1:0:1).
Experiential leadership lab.
Prerequisite(s): LEAD 175.
Corequisite(s): LEAD 475.
Notes: Offered in spring and fall.

Management (MGMT)

All MGMT courses have a prerequisite of junior status, an overall GPA of at least 2.00 and a grade of C- or better in HMXP 102.

321. Principles of Management (3).
Comprehensive survey of the basic principles of management applicable to all forms of business.

325. Organizational Theory and Behavior (3).
Behavior in organizations, individual and group processes and behavior, and organizational processes including the work setting and planned changes.
Prerequisite(s): PSYC 101 and MGMT 321.

326. Operations Management (3).
Design and management of operations in manufacturing and services. Operations strategies, design of processes, facilities and work. Management of quality, inventories, projects, and schedules.
Prerequisite(s): QMTH 205.

341. Information Systems (3).
Concepts of information systems are presented. Technical foundations of information systems, processes for building and managing information systems, and systems that support management and the organization are covered.
Prerequisite(s): ACCT 280 and QMTH 205.

355. Business Communication (3).
Communications theory and practice required in business as related to individuals, small groups, and organizations.

422. Human Resource Management (3).
Contemporary theory and practice of human resource management with emphasis on the behavioral sciences approach.
Prerequisite(s): MGMT 321.

425. Training and Development (3).
Employee training and development is a central component of the human resource function. This course teaches students how to develop, implement and evaluate a training program.
Prerequisite(s): MGMT 321.
475. Leadership Theory and Development (3).
Broad overview of leadership theories, decision making, personal leadership styles, and current leadership issues.
Prerequisite(s): MGMT 321.
Notes: Offered periodically.

480. Business Policy (3).
Seminar in applied business, designed to integrate all subjects of business administration required for business administration majors. A component of the course will be devoted to the assessment of student understanding of the other required core business courses.
Prerequisite(s): FINC 311, MKTG 380, MGMT 321, 326, 341, 355.
Corequisite(s): BADM 350.
Notes: Open to senior majors in business administration.

491. Internship in Management (3).
The internship in management provides opportunities for students to integrate course work into practical work settings. This course applies the academic and conceptual to the practical; students supervised by faculty, will work a minimum of 150 hours during a semester or summer term.
Prerequisite(s): 2.5 GPA and a C- or better in MGMT 325 and an additional Management option course.
Notes: A grade of S or U is recorded.

Recognition, negotiation and administration of labor agreements in the public and private sector. Also covered is the bargaining process in general and human resource management in a union-free environment.
Prerequisite(s): MGMT 321.

524. Employment Law (3).
Private and public sector employment law with emphasis on labor relations, employment discrimination and current trends in the public policy of regulation of the employment relationship.
Prerequisite(s): MGMT 321.

526. Compensation and Benefits Analysis (3).
Planning, designing and controlling benefit and compensation systems integrating current knowledge on the relationship between work, reward and productivity. Philosophical, technical and legal issues will be addressed.
Prerequisite(s): MGMT 321.

529. International Management (3).
Prerequisite(s): MGMT 321.

575. Business Ethics (3).
Broad overview of the effect of ethics on business decision-making in an increasingly complex world.
Covers methods for analyzing and applying personal values and to recognize organizational and environmental forces that influence ethical behavior. Heighten student abilities to recognize ethical issues and engage in effective ethical debate in a business setting.
Prerequisite(s): MGMT 321.

Marketing (MKTG)

All MKTG courses above 299 have a prerequisite of junior status, an overall GPA of at least 2.00 and a grade of C- or better in HMXP 102.

380. Principles of Marketing (3).
Survey of principal organizations use in marketing goods, services, ideas, and people. Hands-on integrated project using marketing concepts to help students see the interrelation and interdependence of various business functions.
Prerequisite(s): ACCT 280.

381. Consumer Behavior (3).
Comprehensive survey of the basic concepts, methods, and models used in understanding, explaining, and predicting both individual and organizational buyer motivation and behavior.
Prerequisite(s): MKTG 380.

382. Retailing (3).
Contemporary issues in retailing with emphasis on management, operations methods, and their retailing environment.
Prerequisite(s): MKTG 380.

481. Promotion Management (3).
Contemporary theory and practice of marketing communications including integration of promotion mix elements. Focus on planning/execution of advertising, PR personal selling, sales promotion, POP, and electronic communications strategies.
Prerequisite(s): MKTG 380.

482. Marketing Research (3).
Study of qualitative and quantitative marketing research methods and how various research techniques are used in marketing decision making. Students have an opportunity to conduct simple research studies.
Prerequisite(s): MKTG 380, QMTH 205, 206.

483. Sales and Relationship Marketing (3).
Course content includes: the professional selling process and relationship marketing in a Business-to-Business and Business-to-Consumer context; personal, persuasive communication skill development and application; self management and sales management; and career opportunities in professional selling and sales management.
Prerequisite(s): MKTG 380.

484. Sport Marketing (3:2:2).
The purpose of this course is to further explore the principles of marketing and how these concepts relate to the context of sport. Major components to be stressed will be the uniqueness of marketing sport, the sport
MARKETING/MASS COMMUNICATION

product's attributes, application of the four P's of marketing to the sport setting, sport marketing's fifth P, sales and customer service in sport, and the interaction and coordination of these marketing principles.
Prerequisite(s): Junior or Senior standing, grade of C- or higher in MKTG 380, SPMA 101, SPMA major or consent of instructor.
Notes: Offered in spring. SPMA 101 may be taken concurrently with this course.

489. Marketing Strategy (3).
A "Capstone" marketing course integrating buyer behavior, the marketing mix, economics, accounting, finance and the strategic marketing decision-making process under a variety of environmental conditions.
Prerequisite(s): Senior standing is required and the following prerequisite courses must be completed: MKTG 381, 482 and FINC 311.

491. Internship in Marketing (3).
The internship in marketing provides opportunities for students to integrate course work into practical work settings. This course applies the academic and conceptual to the practical; students supervised by faculty, will work a minimum of 150 hours during a semester or summer term.
Prerequisite(s): 2.5 GPA and a C- or better MKTG 381 and an additional Marketing option course. For Business Majors only.
Notes: A grade of S or U is recorded.

581. Marketing for Global Competitiveness (3).
Prepares managers for the challenges of competing in a global marketplace.
Prerequisite(s): MKTG 380.

Mass Communication (MCOM)

101. Mass Media and the Information Age (3).
Critical analysis of the media of mass communication, their content, the sources and biases of their content, limitations of the media and effects of the media. Primarily for non-majors.
Notes: Offered at variable times.

205. Introduction to Mass Communication (3).
Introduction to the major fields of mass communication with emphasis on advertising, broadcasting, newspapers, magazines, and public relations, and the history of each.
Notes: Offered in fall and spring.

241. Media Writing (3:2:2).
The study of and practice in writing for print and broadcast media.
Prerequisite(s): MATH 150, B- or better in WRIT 101 and in HMXP 102, 2.0 cumulative GPA and keyboard proficiency or written permission of the department chair.
Notes: Lab Fee: $25. Offered in fall and spring.

260. Writing for Interactive Media (3:2:2).
Study of and practice in developing of audience-based informational and persuasive messages and writing messages for digital-based media: news, sales promotions, marketing and public relations.
Prerequisite(s): CSCI 101 and 101A, B, and C; 2.0 or higher GPA; and written permission of department chair.
Notes: Lab Fee: $25. Offered in spring.

302. International Communication (3).
Examination of the flow of information throughout the world, and the communication systems that deliver it both within countries and across international borders. Helps build appreciation of cultural diversity and how differences in culture, forms of government and information delivery systems affect worldwide communication.
Prerequisite(s): Junior standing and 2.00 GPA or written permission of department chair.
Notes: Offered in spring.

325. Broadcast Journalism (3:2:2).
Journalistic writing for the broadcast media with emphasis on writing and production procedures.
Prerequisite(s): Grade of C- or better in MCOM 241 and 2.00 GPA and MCOM or IMCO major status or written permission of department chair.
Notes: Lab Fee: $25. Offered in fall and spring.

331. Editorial Interpretation (3).
Analyzing topics and writing editorials, columns and other opinion articles for print and broadcast media with emphasis on persuasive use of language.
Prerequisite(s): Grade of C- or better in MCOM 241 or permission of instructor and 2.00 GPA.
Notes: Intensive Writing course. Offered at variable times.

Editing skills for the copy editor with emphasis on news judgment, news style, newspaper layout, legal considerations, and picture editing.
Prerequisite(s): Grade of C- or better in MCOM 241 and 2.00 GPA and MCOM or IMCO major status or written permission of department chair.
Notes: Lab Fee: $25. Offered in fall and spring.

341. Advertising Principles (3).
Study of advertising theory and techniques in print and electronic media with emphasis on the relationship between marketing and the creative process.
Prerequisite(s): Sophomore standing and 2.00 GPA.
Notes: Offered in fall and spring.

Reporting principles and news writing techniques applied to writing publishable stories from campus and community sources; laboratory exercises.
Prerequisite(s): Grade of C- or better in MCOM 241, 2.0 GPA and MCOM or IMCO major status or written permission of department chair.
Notes: Lab Fee: $25. Intensive Writing course. Offered in fall.

343. Feature Writing (3).
Techniques of writing feature stories for newspapers and magazines. Students will write stories for possible
Development, writing, direction and production of basic television program types; laboratory practice with student written scripts.
Prerequisite(s): Grade of C- or better in MCOM 241, 2.0 GPA and MCOM or IMCO major status or written permission of department chair.
Notes: Lab Fee: $25. Offered in fall and spring.

347. Broadcast Writing (3).
Techniques and skill development in writing for broadcast, including news, documentaries, promotions, public service announcements and commercials.
Prerequisite(s): C- or better in MCOM 241.
Notes: Lab Fee: $25. Intensive Writing course. Offered variable times.

Principles of professional broadcast delivery and development of skills required to be an effective broadcast communicator. The role of the announcer/performer in all broadcast situations, live and recorded.
Prerequisite(s): C- or better in both MCOM 241 and 346.
Notes: Lab Fee: $25. Offered variable times.

349. Advertising Copy and Layout (3:2:2).
Theory and practice of writing advertising copy for print and electronic media, conceptualizing television commercials and laying out print advertisements.
Prerequisite(s): A C- or better in MCOM 341 and 2.0 GPA or written permission of department chair.
Notes: Lab Fee: $25. Offered variable times.

Development of American journalism and mass media and their relationship to American society with emphasis on socio-cultural and political aspects.
Prerequisite(s): HIST 212 and 2.00 GPA or written permission of department chair.
Notes: Offered variable times.

370. Public Relations Principles (3).
Study of communications to influence public opinion, solving public relations problems, practice in developing a public relations campaign.
Prerequisite(s): Sophomore standing and 2.00 GPA or written permission of department chair.
Notes: Offered in fall and spring.

377. Community and Civic Journalism (3).
Study of the role of journalism in the community and as a catalyst for positive change. Media that practice civic journalism help maintain civic and communal identity of the place and people they serve. Emphasis on framework, principles, key players, issues and challenges of community and civic journalism.
Prerequisite(s): Junior standing and 2.00 GPA or written permission of the instructor.

410. Mass Media Law (3).
Legal problems of defamation, privacy, copyright, obscenity, anti-trust, and the regulation of advertising and broadcasting.
Prerequisite(s): Junior standing and a 2.00 GPA.
Notes: Offered in fall and spring.

412. Ethics and Issues in Mass Communication (3).
Ethical problems and issues in newspapers, broadcasting, broadcast journalism, advertising, and public relations.
Prerequisite(s): Senior standing and 2.0 GPA.
Notes: Intensive Writing course. Offered in fall and spring.

Study and practice of advanced methods for gathering, writing and editing broadcast news.
Prerequisite(s): Grade of C- or better in MCOM 241, 325, and 346, 2.0 GPA and MCOM major status or written permission of department chair.
Notes: Lab Fee: $40. Offered in fall and spring.

427. Broadcast Programming, Sales and Promotion (3).
Planning, writing and producing programming for broadcast and print media. Study of the importance of these critical areas in broadcasting and how they interact.
Prerequisite(s): 12 hours of MCOM and minimum 2.0 GPA or permission.
Notes: Offered variable times.

444. Media Management (3).
Management theories and practices as applied to broadcast and print media organizations, unique characteristics of media organizations, operating philosophies, leading media organizations, legal issues and regulations, and related topics.
Prerequisite(s): PLSC 202, C- or better in MCOM 241, 2.0 GPA and MCOM or IMCO major status or written permission of department chair.
Notes: Lab Fee: $40. Offered in spring.

446. Advanced Television Production (3:2:2).
Planning, writing and producing programming for television.
Prerequisite(s): C- or better in MCOM 241, 325 and 346; 2.0 GPA and MCOM major status or written permission of department chair.
Notes: Lab Fee: $40. Offered in fall and spring.

447. Broadcast Programming, Sales and Promotion (3).
Study of the importance of these critical areas in broadcasting and how they interact.
Prerequisite(s): C- or better in MCOM 241 and 2.00 GPA or written permission of department chair.
Notes: Offered in fall.
461, 462, 463. Mass Communication Internship (1) (2) (3).
Practical applications of mass communication theory and skills through professional practice at newspapers, radio and television stations, advertising and public relations agencies and related sites supervised by department faculty.
Prerequisite(s): MCOM 241 and 6 hours from MCOM 325, 331, 333, 341, 342, 343, 346, 347, 348, 370, 377, 410, 425, 441, 446, 447 and 471 with a grade-point average of 2.0 or higher in these courses, or permission of chair. Open only to mass communication majors. Application to the department and approval by the department chair and Dean of the College of Arts and Sciences are required before registering for the course.
Notes: A student may not receive more than three hours credit in MCOM 461, 462, 463. A grade of S or U is recorded for these courses. Individually arranged.

471. Public Relations Writing and Production (3:2:2).
Preparing public relations messages, including news releases, public service announcements, press kits, audiovisual presentations, fliers, pamphlets, brochures, newsletters, direct mail, and corporate advertising. Planning special events and news conferences.
Prerequisite(s): C- or better in MCOM 241 or 370, 2.00 GPA and MCOM or IMCO major status or written permission of department chair.
Notes: Lab Fee: $25. Intensive Writing course. Offered in spring.

491, 492, 493. Independent Study (1) (2) (3).
Independent study guided by a faculty member.
Prerequisite(s): 18 hours of MCOM 241 and 6 hours from MCOM 325, 331, 333, 341, 342, 343, 346, 347, 348, 370, 377, 410, 425, 441, 446, 447 and 471 with a grade-point average of 2.0 or higher in these courses, or permission of chair. Open only to mass communication majors. Application to the department and approval by the department chair and Dean of the College of Arts and Sciences are required before registering for the course.
Notes: A student may not receive more than three hours credit in MCOM 461, 462, 463. A grade of S or U is recorded for these courses. Individually arranged.

504. Mass Communication Practicum (1:0:2).
Professional practice in a professional course or courses in the department in a role selected by department faculty involved. A placement exam is required.
Prerequisite(s): Junior standing, C- or better in 15 hours of mass communication and 2.00 GPA and MCOM or IMCO major status or written permission of department chair.
Notes: May be repeated. A grade of S or U will be assigned. Individually arranged.

495. Special Topics in Mass Communication (1-3).
Selected topics of current significance. Prerequisite(s): Junior standing and 2.00 GPA or written permission of department chair.
Notes: May be repeated for credit if topics vary. Offered variable times.

499. Senior Portfolio (1).
Development of a portfolio of professional and related work that is formally presented to a committee of department faculty members and an external reviewer.
Prerequisite(s): Senior standing, 2.00 GPA, mass communication or integrated marketing communication major, and application for graduation in the semester the course is taken.

Notes: Offered in fall and spring.

510. Magazine Editing and Production (3).
Theory and techniques of magazine editing and production; editorial objectives and formulas, issue planning, article selection, layout, illustration, typography, printing and circulation. Magazine project required.
Prerequisite(s): Junior standing and 2.0 GPA.
Notes: Offered at variable times

551-553. Special Topics in Mass Communication (1) (2) (3).
Prerequisite(s): Permission of instructor.
Notes: May be retaken for additional credit. May count only as elective hours for mass communication majors and minors. Offered variable times.

Mathematics (MATH)

101. Algebra and Trigonometry for Calculus (3).
The study of algebraic and trigonometric skills needed for single variable calculus. Topics include equations, graphs, polynomial and rational functions, exponentials, logarithms, and trigonometry.
Prerequisite(s): Satisfactory score on Mathematics placement exam or a C or better in MATH 151.
Notes: Credit will not be given for MATH 101 and 104. Offered in fall, spring and as needed in summer.

104. Trigonometry for Calculus (1).
This course is designed to be taken concurrently with MATH 201. Content includes basic properties and identities of trigonometry, Euler’s formula, double angle identities and inverse functions.
Corequisite(s): MATH 201.
Notes: Credit will not be given for MATH 101 and MATH 104. Offered in fall and spring.

105. Applied Calculus (3).
A study of differential and integral calculus in applied settings. Topics include: Limits, differentiation and associated applications, integration and associated applications, and multivariable calculus.
Prerequisite(s): A grade of C or better in MATH 101 or MATH 151, or satisfactory score on the Mathematics placement exam.

141. Finite Probability and Statistics (3).
Elementary topics in probability and statistics, including descriptive statistics, the binomial and normal distributions, estimation, hypothesis testing, simple linear regression and correlation.
Prerequisite(s): 3 hours of MATH credit.
Notes: Credit will not be awarded for both MATH 141 and 145.

145. Statistical Methods for Communicating the Analysis of Data (3).
Statistical methods necessary for the basic analysis and presentation of data, as well as critique published results. Topics include: measurement, sampling, descriptive statistics, presentation of analysis, probability,
MATHEMATICS

reliability, estimation and confidence intervals, and Chi-Square tests.
Notes: Offered fall, spring, and summer. Credit will not be awarded for both MATH 141 and 145.

150. Introductory Discrete Mathematics (3).
The basic quantitative skills, and their applications, A study of basic skills and applications neccessary for critical thinking in a quantitative world. Topics include: sets, logic, counting, probability, and statistics.
Notes: Degree credit will not be given for both CTQR 150 and MATH 150. Offered in fall, spring and summer.

151. Applied College Algebra (3)
A study of the algebraic skills needed to perform computations in applied settings. Topics include: equations, inequalities, functions, graphs, and financial mathematics.
Prerequisite(s): Satisfactory score on Mathematics placement exam.
Notes: Offered in fall, spring and summer.

201. Calculus I (4).
An introduction to the calculus of one variable and techniques used to perform integrations in a variety of disciplines. The course will provide prerequisite material for a continued study of calculus and other mathematics. Topics will include: limits, continuity, the definition of the derivatives, techniques of differentiation, graphing, maximum/minimum, related rate problems, definite integrals, the fundamental theorem of calculus, logarithmic functions, exponential functions, and other transcendental functions.
Prerequisite(s): Math 101 with a grade of C or better or satisfactory score on math department placement test.
Corequisite(s): Math 104 or satisfactory score on Mathematics placement exam. A grade of C or better in MATH 101 replaces these corequisites.
Notes: Credit will not be allowed for MATH 105 and 201. Offered in fall, spring and summer.

A continuation of the calculus in one variable. Methods from calculus I, in addition to new techniques, will be applied to the study of integration, differential equations, sequences and series. Applications will be given in a variety of disciplines. The course will provide prerequisite material for a continued study in both mathematical topics and related scientific disciplines. Specific topics include: applications of integration, techniques of integration, improper integrals, sequences, series, power series, elementary differential equations, conic sections, and polar coordinates.
Prerequisite(s): A grade of C or better in MATH 201 and MATH 101 or 104 with grades of C or better.
Corequisite(s): MAED 200.
Notes: Offered in fall, spring and as needed in summer.

202H. Honors Calculus II (4).
A continuation of the calculus in one variable completed in AP calculus along with an emphasis on application and exploration. Applications will be given in a variety of disciplines. The course will provide prerequisite material for a continued study in both mathematical topics and related scientific disciplines. Specific topics include: applications of integration, techniques of integration, improper integrals, sequences, series, power series, elementary differential equations, conic sections, and polar coordinates.
Prerequisite(s): A score of 3 or higher on the AB Calculus Advanced Placement exam or permission of the Department Chair.
Corequisite(s): MAED 200.
Notes: Offered in fall.

261. Foundations of Discrete Mathematics (3).
Introduction to various numeration systems, including binary and hexadecimal; elementary set theory, logic and combinatorics; recursion, mathematical induction, elementary matrix operations and Boolean algebra.
Prerequisite(s): MATH 101 or 151.
Notes: Offered in fall and spring.

291. Basic Number Concepts for Teachers (3:3:1).
In depth study of the meaning and application of basic number concepts.
Prerequisite(s): MATH 150 with a grade of C or better.
Restricted to Early Childhood, Elementary, Middle School, and Special Education majors.
Notes: Lab Fee: $20. Offered in fall, spring and summer.

In depth study of the meaning and application of basic number concepts.
Prerequisite(s): MATH 291 with a grade of C or better.
Restricted to Early Childhood, Elementary, Middle School, and Special Education majors.
Notes: Lab Fee: $20. Offered in fall, spring and summer.

300. Linear Algebra (3).
Matrices and the solution of systems of linear equations; elementary theory of vector spaces and linear transformations; determinants, eigenvalues, and eigenvectors. Graphing calculators and/or Mathematica will be utilized.
Prerequisite(s): MATH 201.
Corequisite(s): MATH 202 or MATH 202H.
Notes: Offered in fall and spring.

301. Calculus III (4).
Techniques from the calculus of one variable, in addition to new techniques will be applied to the study of vectors and functions of multiple variables. Applications will be given in a variety of disciplines. Specific topics include: vectors in two and three dimensions calculus of vector-valued functions, functions of several variables, partial derivatives, applications of partial derivatives, multiple integration, and vector analysis.
Prerequisite(s): A grade of C or better in MATH 202 or MATH 202H.
Corequisite(s): MAED 200.
Notes: Offered in fall and spring.

301H. Honors Calculus III (4).
Techniques from the calculus of one variable, in addition to new techniques will be applied to the study of vectors
and functions of multiple variables. Applications will be given in a variety of disciplines. Specific topics include: vectors in two and three dimensions calculus of vector-valued functions, functions of several variables, partial derivatives, applications of partial derivatives, multiple integration, and vector analysis.

Prerequisite(s): Permission of Department Chair.
Corequisite(s): MAED 200.
Notes: The honors designation can be earned if requested through in course special projects as determined by the instructor.

305. Introduction to Differential Equations (3).
Techniques for the solution of first and second order ordinary differential equations, and linear systems of first order ordinary differential equations.
Prerequisite(s): MATH 202.
Notes: Offered in spring.

310. Mathematical Reasoning (3).
This course examines methods of constructing mathematical proofs and allows students to practice reading and writing mathematical proofs, particularly those found in set theory, number theory, elementary analysis, and abstract algebra.
Prerequisite(s): MATH 300.
Notes: Offered in fall.

340 A, B, C. Cooperative Education Experience (1) (2) (3).
Provides on-the-job training in a professional field related to a student’s major or career interests.
Prerequisite(s): Overall GPA 2.5 and minimum of 24 earned undergraduate semester hours. Placement objectives must be approved by Department Chair prior to enrollment.
Notes: For Mathematics majors only. Courses may be repeated for credit; however, a maximum of 3 hours may be applied toward a degree in Mathematics. Offered in fall, spring and summer.

341. Statistical Methods (3).
A survey of common statistical methods including: data organization and summary; probability & common probability models used in statistical analysis; point estimation, confidence intervals and hypothesis testing for one- and two-sample problems; simple linear regression and correlation; introduction to categorical data analysis; use of commercial grade statistical software (e.g., SAS).
Prerequisite(s): MATH 201.

351. Introduction to Modern Algebra (3:3:1).
Standard topics in the theory of groups and rings, including symmetric, dihedral, and cyclic groups, equivalence relations, integral domains, and group and ring homomorphisms. Emphasis is placed on the proper construction of mathematical proofs.
Prerequisite(s): MATH 301 and 310.
Notes: Offered in spring.

355. Combinatoric Methods (3).
Applications of counting methods to mathematical modeling and problem solving, standard topics in graph theory including: general structures, connectivity, colorings, and cliques.
Prerequisite(s): MATH 300 or permission of department chair.
Notes: Offered in spring.

375. Optimization Techniques (3).
Mathematical modeling using linear programming and other methods of optimization.
Prerequisite(s): MATH 300.
Corequisite(s): MATH 302.
Notes: Offered variable times.

393. Algebra, Data Analysis, and Geometry Concepts for Teachers (3:3:1).
In depth study of the meaning and application of basic algebraic reasoning, counting techniques, proportional reasoning, and intermediate level geometry concepts.
Prerequisite(s): MATH 292 with a grade of C or better. Restricted to Early Childhood, Elementary, Middle School, and Special Education majors.
Notes: Offered fall and spring.

400. Senior Seminar (2).
This course provides an appropriate culminating experience for mathematics majors during which they will explore mathematical topics related to a core curriculum theme chosen by the instructor. Students will utilize articles from current mathematical journals presenting results in pure or applied mathematics or in the historical development of mathematics. Readings from advanced texts may also be used. Students will write and present an expository paper in mathematics as a course requirement.
Prerequisite(s): Senior standing and completion of 25 hours in mathematics above 299.
Co-requisite(s): MAED 400.
Notes: Offered in spring.

450H. Honors: Selected Topics in Mathematics (3).
In-depth study in a mathematical topic.
Prerequisite(s): 18 hours of MATH courses and permission of Department Chair and instructor.
Notes: Offered variable times.

461. Academic Internships in Mathematics (1).
An opportunity for mathematics majors to earn credit for experience gained through apprenticeship work under the supervision of trained professionals.
Prerequisite(s): Math majors only with a GPA of at least 2.5 and prior approval from the department and Dean.
Notes: Offered in fall, spring and summer.

463. Academic Internships in Mathematics (3).
An opportunity for mathematics majors to earn credit for experience gained through apprenticeship work under the supervision of trained professionals.
Prerequisite(s): Math majors only with a GPA of at least 2.5 and prior approval from the department and Dean.
Notes: Offered in fall, spring and summer.

503. Vector Calculus (3).
Vectors, tensors, differential forms, covariant differentiation, curvature and elementary differential
geometry.
Prerequisite(s): MATH 301.
Notes: Offered variable times.

509. Real Analysis I (3).
Topics in the study of functions of a real variable, including limits, continuity, differentiability, sequences, series.
Prerequisite(s): MATH 301 and 310.
Notes: Offered in fall.

520. Foundations of Geometry (3).
Topics in Euclidean and non-Euclidean geometry, including incidence geometry, congruence, similarity, area theorems, circles and spheres.
Prerequisite(s): MATH 300.
Notes: Offered in fall.

522. Elements of Set Theory and Introduction to Topology (3).
Fundamentals of set theory and point-set topology, including functions, Cartesian products, topological spaces, open and closed sets, metric spaces, connected and compact spaces.
Prerequisite(s): MATH 300 and 301.
Notes: Offered in variable times.

535. Numerical Analysis (3).
Analysis of algorithms, including polynomial approximation of real functions, numerical differentiation and integration and manipulation of matrices.
Prerequisite(s): MATH 300 and 301 or permission of chair, Department of Mathematics.
Notes: Offered variable times.

541. Probability and Statistics I (3).
Probability theory from an axiomatic viewpoint, including combinatorics, discrete and continuous random variables and multivariate distributions.
Prerequisite(s): MATH 301 and 341 or permission of department chair for MAT students.
Notes: Offered in spring.

542. Probability and Statistics II (3).
Statistical inference from a mathematical viewpoint, including the central limit theorem, point and interval estimation and regression.
Prerequisite(s): MATH 541.
Notes: Offered variable times.

543. Introduction to Stochastic Processes (3).
A survey of stochastic processes and their applications to probabilistic modeling. Topics will include discrete and continuous time Markov processes, Poisson process and time-series analysis.
Prerequisite(s): MATH 300 and 541.
Notes: Offered variable times.

545. Statistical Theory and Methods II (3).
Analysis of linear models, including both regression and ANOVA models. Contingency tables are also studied.
Prerequisite(s): MATH 541.
Notes: Offered variable times.

Survey of statistical methodology applied to problems from the sciences with emphasis on the area of Health and Human Nutrition. Statistical tests will be reviewed and applied to current issues.
Prerequisite(s): MATH 141 or permission of instructor.
Notes: Offered in fall and spring.

547. Introduction to Categorical Models (3).
An introduction to the analysis of categorical data. Topics will include methods for comparison of binomial proportions, $r \times c$ contingency tables and logistic and loglinear modeling.
Prerequisite(s): MATH 542.
Notes: Offered variable times.

550. Special Topics in Mathematics (3).
In-depth study of a mathematical topic.
Prerequisite(s): Permission of instructor.
Notes: This course maybe repeated for credit once for each topic. If this course is taken for graduate credit, additional research will be required. Offered variable times.

551. Algebraic Structures (3).
Theory of rings and fields, with special attention to PID’s, UFD’s, Euclidean domains and modules.
Prerequisite(s): MATH 300 or equivalent.
Notes: Offered variable times.

553. Theory of Numbers (3).
Divisibility, primes, congruences, special functions, continued fractions and rational approximations.
Prerequisite(s): MATH 300 or equivalent.
Notes: Offered variable times.

575. Optimization Techniques II (3).
A continuation of MATH 375. Areas of study include mathematical modeling, integer programming, combinatorial optimization, and network algorithms.
Prerequisite(s): MATH 375.
Notes: Offered variable times.

Mathematics Education (MAED)

200. Introduction to Mathematica (1).
Basics of the comprehensive computer algebra system Mathematica are covered. Applications to calculus topics will include functions, limits, derivatives, integration, and graphics, as well use in mathematical instruction.
Corequisite(s): MATH 202.
Notes: Offered in fall and spring.

391. Principles of Teaching Mathematics (3).
Study and application of skills of planning, instruction, management and assessment of students in mathematics. Includes a review of the ethical and legal responsibilities of mathematic teachers.
Prerequisite(s): MAED 548 or Middle Level Education major and Admission to Teacher Education Program.
Corequisite(s): MAED 392, EDUC 390 (Secondary education students only.)
Notes: Offered in fall.
MATHEMATICS EDUCATION/MODERN LANGUAGES EDUCATION

392. Field Experience in Teaching Mathematics (1:0:8).
Students will spend a minimum of 8 hours per week in the classroom under the supervision of a mathematics education professor and will work with a mentor teacher in preparation for the final internship experience.
Prerequisite(s): Admission to Teacher Education.
Corequisite(s): MAED 391, EDUC 390.
Notes: A grade of S or U is recorded. Offered in fall.

400. Assessment Capstone (1).
This course will formally assess student mathematical ability related to the core undergraduate mathematics curriculum. A variety of instruments may be used throughout the course including, but not limited to, department constructed assessments, standardized assessments, and portfolios.
Prerequisite(s): Senior standing and completion of 25 hours in mathematics above 299.
Notes: Offered in spring.

A study of the secondary mathematics curriculum (7-12). This course addresses specific instructional needs and techniques related to the teaching of secondary mathematics concepts.
Prerequisite(s): Math 520 or Permission of Department Chair.
Notes: Intensive Writing course. Offered in spring.

Modern Languages Education (MLAN)

330 A, B, C. Language and Cultural Studies Abroad (1-6).
Under the direction of a Winthrop University professor, students pursue intensive studies of language at a foreign university. Excursions are organized to places of cultural interest. May be substituted for required courses in the major or minor sequence with written advance permission of the department chair.
Prerequisite(s): Students who have completed FREN 101 and 102 may earn a maximum of 6 credits. Students at the 101 or 102 levels may earn a maximum of 4 credits. May be repeated for a maximum of 12 credits contingent on departmental review and receipt of official transcripts.
Notes: A=French; B=Spanish; C=German. Offered in summer and on demand.

350. Writing and Research in Foreign Literature (3).
Introduction to writing critical essays on French, German, and Spanish literature, including instruction and practice in locating, reading and writing critical essays.
Prerequisite(s): HMXP 102.
Notes: Offered variable times.

391. Principles of Teaching Modern Languages in Middle and Secondary Schools (3).
Study and application of skills of planning, instruction, management and assessment of students in Modern Languages. Includes a review of the ethical and legal responsibilities of modern language teachers.
Prerequisite(s): Admission to Teacher Education Program.
Corequisite(s): MLAN 392, EDUC 390.
Notes: Offered in fall semester.

392. Field Experience in Teaching Modern Languages (1:0:8).
Students will spend a minimum of 8 hours per week in the classroom under the supervision of a modern language education professor and will work with a mentor teacher in preparation for the final internship experience.
Prerequisite(s): Admission to Teacher Education Program.
Corequisite(s): MLAN 391, EDUC 390.
Notes: A grade of S or U is recorded. Offered in fall.

503. Applied Linguistics (3).
Study of the systems underlying language acquisition and how to apply them in effective teaching and learning.
Notes: Offered on demand.

530 A. French Language and Cultural Studies Abroad (1-6).
Under the direction of a Winthrop University professor, students pursue intensive studies of language at a foreign university. Excursions are organized to places of cultural interest. May be substituted for required courses in the major or minor sequence with written advance permission of the department chair.
Prerequisite(s): Completion of six credits on the 300 level or equivalent and a grade of S in French 499. May be repeated for a maximum of 12 credits contingent on departmental review and receipt of official transcripts.
Notes: A=French; B=Spanish; C=German. Offered variable times.

530 B. Spanish Language and Cultural Studies Abroad (1-6).
Under the direction of a Winthrop University professor, students pursue intensive studies of language at a foreign university. Excursions are organized to places of cultural interest. May be substituted for required courses in the major or minor sequence with written advance permission of the department chair.
Prerequisite(s): Completion of six credits at the 300 level or equivalent and a grade of S in Spanish 499. May be repeated for a maximum of 12 credits contingent on departmental review and receipt of official transcripts.
Notes: Offered variable times.

530 C. German Language and Cultural Studies Abroad (1-6).
Under the direction of a Winthrop University professor, students pursue intensive studies of language at a foreign university. Excursions are organized to places of cultural interest. May be substituted for required courses in the major or minor sequence with written advance permission of the department chair.
Prerequisite(s): Completion of six credits on the 300 level or equivalent. May be repeated for a maximum of 12 credits contingent on departmental review and receipt of official transcripts.
Notes: Offered variable times.
591. Principles in Teaching Modern Languages (3).
To give students a 4 hour per week classroom experience
on different methodology by a Modern Language
education professor.
Notes: Offered in spring and offered in fall on demand.

Music (MUST)

101. Basic Musicianship (2:2:0).
An introduction to and application of the basic elements
of music with study of durational and pitch-related
concepts through visual and aural means. May not count
toward a music degree.
Notes: Offered in fall and spring.

111. Music Theory I (3).
An introduction to the basic concepts of music theory and
the materials of music. Written and analytical
applications.
Prerequisite(s): Passing score on the Music Theory
Entrance Examination or successful completion of MUST
101.
Corequisite(s): MUST 113.
Notes: Offered in fall and spring.

112. Music Theory II (3).
A continuation of and expansion on the techniques and
materials of MUST 111. Written and analytical
applications.
Prerequisite(s): MUST 111.
Corequisite(s): MUST 114.
Notes: Offered in fall and spring.

113. Aural Skills I (1).
A course to develop aural skills for music theory, sight
singing, and ear training.
Corequisite(s): MUST 111
Notes: Offered in fall and spring.

114. Aural Skills II (1).
A course to develop aural skills for music theory, sight
singing, and ear training. A continuation of MUST 113.
Prerequisite(s): MUST 113.
Corequisite(s): MUST 112.
Notes: Offered in fall and spring.

121. Introduction to Music Technology (1:2:0).
An introduction to computer technology with emphasis
on Music Technology, data management, and document
preparation.
Notes: Offered in fall and spring.

190. Introduction to Music Education (1:2:0).
An introduction to the music education profession
including historical perspectives, introductory
philosophical perspectives, and career orientation.
Notes: Offered in spring.

203. Jazz Appreciation (3).
An introduction to the evolution, growth, and
development of jazz in the U.S. from the nineteenth
century to the present.
Notes: Does not count toward a music degree.

211. Music Theory III (3).
An expansion of the techniques and materials of MUST
111-112 and their application to musical styles from
Baroque through Romantic periods. Written and
analytical applications.
Prerequisite(s): MUST 112.
Corequisite(s): MUST 213.
Notes: Offered in fall and spring.

212. Music Theory IV (3).
An expansion of the techniques and materials of MUST
211 and their application to musical styles from the
Romantic to Contemporary periods. Written and
analytical applications.
Prerequisite(s): MUST 211.
Corequisite(s): MUST 214.
Notes: Offered in fall and spring.

213. Aural Skills III (1).
A continuation of the aural skills begun in MUST 113-114.
Prerequisite(s): MUST 114 or consent of the Instructor.
Corequisite(s): MUST 211.
Notes: Offered in fall and spring.

214. Aural Skills IV (1).
A continuation of aural skills from MUST 213.
Prerequisite(s): MUST 213 or consent of the Instructor.
Corequisite(s): MUST 212.
Notes: Offered in fall and spring.

280-289. Special Topics in Music (1) (2) (3).
A series at the 200-level for special courses offered by the
Department of Music on a one-time basis.
Notes: Offered on demand.

298. Music Appreciation (3).
Introduction to the major historical periods, genres,
works and styles in music literature from early times to
the present.
Notes: Not open to music majors. Also available as an
Internet course.

305. History of Music to 1750 (3).
A survey of music history and literature of Western
civilization from the beginnings to 1750.
Prerequisite(s): MUST 111 and HMXP 102.
Notes: Offered in fall.

306. History of Music from 1750-1900 (3).
A survey of music history and literature of Western
civilization from 1750-1900.
Prerequisite(s): MUST 111 and HMXP 102.
Notes: Offered in fall.

307. Music Since 1900 (3).
A survey of music history and literature from 1900 to the
present, including European, American (jazz and popular
styles), and musics of non-Western cultures (global).
Prerequisite(s): MUST 112.
Notes: Offered in fall.

An expansion of the materials of MUST 212 and the
presentation of contemporary (20th Century) materials
and techniques. Written and analytical applications.
Prerequisite(s): MUST 212 and 214.
Notes: Offered in fall and spring.

315. Music for the Classroom Teacher (3).
Methods and materials for teaching music in the elementary classroom.
Prerequisite(s): Admission to Teacher Education Program.
Notes: Not open to music majors. Restricted to Education majors. Offered in fall, spring and summer.

317. Basic Conducting (3:3:1).
An introductory course covering score analysis, manual technique in various styles, use of baton, and rehearsal procedures for both instrumental and choral ensembles.
Prerequisite(s): MUST 212 and MUSA 282 or permission of the instructor.
Notes: Offered in fall.

Continuation of MUST 317. Separate sections for choral and instrumental majors.
Prerequisite(s): MUST 317 or permission of instructor.
Notes: Offered in spring.

321-322. Opera Workshop (2:3) (2:3).
Laboratory class for development of skills in acting and singing on stage.
Prerequisite(s): Audition and permission of the instructor.
Notes: MUST 322 may be retaken for additional credit.

340. Cooperative Education Experience in Music (3-1).
A cooperative education experience in a specified area of music that provides on-the-job training in a professional field related to a student’s major or career interests.
Prerequisite(s): Overall GPA of 2.5, Junior status, permission of the Chair.

341. Marching Band Techniques (1).
Modern techniques for organizing and training marching bands; planning, drills, formations, shows and music.
Notes: Offered in fall.

411. Form and Analysis (3).
A capstone course in music theory that focuses on small and large scale forms in music and integrates music theoretical knowledge, analytical skills, and aural skills.
Prerequisite(s): MUST 212.
Notes: Offered fall, spring and summer.

430-439. Special Topics in Music (1) (2) (3).
Prerequisite(s): Consent of the Chair of the Department of Music.
Notes: Offered as needed.

450. Honors: Selected Topics in Music (3).
Prerequisite(s): Consent of the Chair of the Department of Music.
Notes: Offered as needed.

501. Piano Literature (3).
A study of literature for the piano from its beginning through contemporary practices.
Prerequisite(s): MUST 306 or permission of the instructor.

503. Organ Literature (3).
A survey of representative organ works from the 16th through the 20th centuries.
Prerequisite(s): MUST 306 or permission of the instructor.

505. Opera Literature (3).
Historical development of opera with detailed study of selected operas.
Prerequisite(s): MUST 306 or permission of instructor.

506. Choral Literature (3).
A survey of choral literature from 1450 through the 20th century, with detailed analysis of representative masterworks.
Prerequisite(s): MUST 306 or permission of the instructor.

508. Standard Choral Repertory (3).
A survey of the standard choral repertory for high school singers. The class will analyze, sing and play excerpts from about 200 sacred and secular pieces in varying levels of difficulty (grades II through V).
Prerequisite(s): MUSA 282, MUST 212 and 307, or permission of instructor.

509. Art Song Literature (3).
A survey of European and American art song with emphasis on 19th and 20th century German and French literature.
Prerequisite(s): MUST 306 or permission of the instructor.

511. Orchestration (3).
Principles and techniques of orchestration for strings, woodwinds, brass and percussion.
Prerequisite(s): MUST 212 and any two of MUSA 291, 293, 295 or 297.

513. Counterpoint (3).
Study of contrapuntal techniques from the Renaissance to the present, emphasizing J.S. Bach. Writing projects include 16th-century and 18th-century inventions, canons and fugues.
Prerequisite(s): MUST 212 or permission of instructor.

514. History of Jazz (3).
An examination of jazz styles, including extensive study of several major figures. Students learn to distinguish the various styles through analysis of rhythmic, melodic, harmonic and instrumentational differences.
Prerequisite(s): MUSA 306 or permission of the instructor.

515. Chamber Music Literature (3).
A survey of selected chamber music from the beginning through the present day. Includes a study of formal elements and aural recognition of representative works.
Prerequisite(s): MUSA 306 or permission of instructor.
516. Symphonic Literature (3).
An historical and chronological survey of symphonic literature from the pre-classic to the present, including a study of formal elements and aural recognition of representative works.
Prerequisite(s): MUSA 306 or permission of instructor.

517. Percussion Literature (3).
A survey of percussion literature from its earliest antecedents in military and orchestral music through the major genres of the 20th century, including chamber music, percussion and marimba ensembles, and solo genres for timpani, multiple percussion, and keyboard percussion.
Prerequisite(s): MUST 306 and 212, or permission of the instructor.
Notes: Offered in spring.

518. Wind Literature (3).
A survey of the basic repertory for concert band and wind ensemble from the Renaissance to the present.
Prerequisite(s): MUST 212 and 565, or permission of instructor.

519. Vocal Pedagogy (3).
An introduction to the basic methodologies used in establishing good vocal technique; an overview of the historical perspectives as well as current vocal science. The course includes actual supervised practical experience.
Prerequisite(s): MUSA 112D, or permission of the instructor.
Notes: Offered in fall and spring.

520. Piano Pedagogy (3).
Designed for prospective piano teachers. A survey of materials, educational principles and methods of teaching piano for individual and group lessons.

521. Composition for Music Education (2:2:1).
This course focuses on the basic knowledge and techniques required for teaching composition to K-12 students and for integrating composition activities into the K-12 music classroom. Also covered are fundamentals techniques for adapting existing music for a wide variety of K-12 level instrumental and vocal ensembles.
Prerequisite(s): MUST 212 or permission of instructor.
Notes: Offered in fall and spring.

523. Accompanying (1:1:0.5).
Study of skills, sightreading, and style required of accompanists. At least one song cycle or one instrumental sonata will be required.
Prerequisite(s): Permission of instructor.

531. Computer Music Technology I (3).
An introductory course to microcomputers and MIDI (Musical Instrument Digital Interface) hardware for the purpose of musical creativity.
Prerequisite(s): MUST 212 or permission of instructor.

532. Computer Music Technology II (3).
A continuation of the skills acquired in MUST 531 with more advanced practical applications.
Prerequisite(s): MUST 531 or permission of instructor.

535. Diction: English/Italian/Latin (1:2:0).
Principles and practices of English, Italian, and Latin diction for singers.
Prerequisite(s): MUSA 112D, or permission of the instructor.
Notes: Offered in fall.

536. Diction: French/German (1:2:0).
Principles and practices of French and German diction for singers.
Prerequisite(s): MUSA 112D, or permission of the instructor.
Notes: Offered in spring.

551-559. Special Topics in Music (1) (2) (3).
Prerequisite(s): Permission of chair, Department of Music.
Notes: Offered as needed.

561. Medieval/Renaissance Music (3).
An advanced study of the music of the Western European tradition from 600-1600. Includes history, genre studies, literature, analysis of scores and extensive listening.
Prerequisite(s): MUST 306 or permission of instructor.

562. Baroque Period Music (3).
An advanced study of the music of the Western European tradition from 1600-1750. Includes history, genre studies, literature, analysis of scores and extensive listening.
Prerequisite(s): MUST 306 or permission of instructor.

563. Classic Period Music (3).
An advanced study of the music of the Western European tradition from 1750-1820. Includes history, genre studies, literature, analysis of scores and extensive listening.
Prerequisite(s): MUST 306 or permission of instructor.

564. Romantic Period Music (3).
An advanced study of the music of the Western European tradition from 1820-1900. Includes history, genre studies, literature, analysis of scores and extensive listening.
Prerequisite(s): MUST 306 or permission of instructor.

565. 20th Century Music Literature (3).
A study of styles, trends, systems, and literature from 1900 to the present, including neo-tonal, atonal, serial, electronic, and experimental forms.
Notes: Offered in summer.

A methods course that addresses specific instructional needs and techniques for teaching general music in the elementary school.
Prerequisite(s): Admission to Teacher Education Program; MUST 212 and 317.
Notes: Offered in fall and spring.
A methods course that addresses specific instructional needs and techniques for teaching general music in the secondary school.
Prerequisite(s): Admission to Teacher Education Program; MUST 590.
Corequisite(s): EDUC 390.
Notes: Offered in spring.

592. Field Experience in Teaching Music (1:0:8).
Laboratory experience equivalent to 28 half-days designed to lead music students through an exploration and examination of various research-based programs of instructional planning, methodology, classroom management, and evaluation of teaching and learning.
Prerequisite(s): MUST 590.
Corequisite(s): MUST 591 and EDUC 390.
Notes: Offered in fall.

Music Applied (MUSA)

Applied Music Courses (1,2,3). Prerequisite: Completion of undergraduate entrance audition for music majors and minors. All students enrolled in applied music must attend the weekly noon recital and weekly repertory class during the fall and spring semesters.

The following numbers are used for all major instruments and voice. All applied music is assigned through the Chair of the Department of Music.
111,112,211,212,311,312,411,412* * May be repeated for additional credit.

Lab Fees for Applied Music courses are assessed as follows:
One half-hour lesson (BA and BME majors) $200
One hour lesson (BM majors) $300
One hour optional lesson for BA and BME students $400

Music majors who study a secondary instrument register for MUSA 110 with the appropriate suffix. Non-majors who participate in ensembles may be permitted to register for MUSA 101 with the appropriate suffix, if space is available.

Alphabetic suffixes for Applied Music Courses:
A. Piano N. Oboe
B. Organ P. Piccolo
C. Harpsichord Q. Clarinet
D. Voice R. Bassoon
E. Violin S. Saxophone
F. Viola T. Trumpet
G. Cello U. Trombone
I. Drum Set V. Horn
J. String Bass W. Euphonium
K. Guitar Y. Tuba
L. Electric Bass Z. Percussion
M. Flute

Music Ensembles. Music Ensembles are open to all Winthrop University students, regardless of major. Auditions, where required, are scheduled during each registration period. Ensembles may be repeated for credit.

131. Composition (1-3).
A detailed study of composition in a private lesson setting designed to develop a basic skill or craft in the manipulation of musical materials. Extensive outside preparation.
Prerequisite(s): Permission of the Department.

132. Composition 1-3).
A detailed study of composition in a private lesson setting designed to develop a basic skill or craft in the manipulation of musical materials. Extensive outside preparation.
Prerequisite(s): Permission of the Department.

141-149. Special Topics in Music (1).
Various chamber ensembles created for a variety of available instrumentalist, vocalists, or keyboardists in a given semester.
Prerequisite(s): Permission of the instructor.

151. Winthrop Collegiate Choir (1:3).
A large, mixed ensemble which can also function as a men’s and women’s ensemble.
Prerequisite(s): Permission of the instructor is required even though there is no audition.
Notes: Offered in fall and spring.

152. Winthrop Chorale (1:4).
A 50-voice choir that tours throughout the Southeast. Two major concerts each year.
Notes: Auditions are held during Orientations and registrations. Offered in fall and spring.

153. Jazz Voices (1:3).
Vocal jazz ensemble of 12 singers performing historic jazz and contemporary arrangements.
Notes: Audition required. Offered in fall and spring.

154. Chamber Singers (1:2).
A small vocal ensemble performing music drawn from five centuries, including Renaissance madrigals, Baroque cantatas, Classical church music, 19th-century partsongs, and contemporary music.
Prerequisite(s): Audition required.
Notes: Offered in fall and spring.

156. Wind Symphony (1:3:0).
A select wind ensemble performing the standard repertory for wind and percussion band including repertory from the 20th century.
Prerequisite(s): Audition Required.
Notes: Offered fall, spring and summer.

157. Symphonic Band (1:4).
A large wind and percussion ensemble that performs at least two formal concerts per year.
Prerequisite(s): Permission of the instructor is required.
Notes: Offered in fall and spring.

158. Winthrop/Carolinas Wind Ensemble (1:2).
A select ensemble of wind and percussion instruments performing primarily new and demanding works for the medium.
Prerequisite(s): Audition required.
Notes: Offered in fall and spring.

159. Jazz Ensemble (1:3).
The jazz repertoire ensemble for large jazz bands.
Prerequisite(s): Audition required.
Notes: Offered in fall and spring.

160. String Ensemble (1:2).
An ensemble formed from available string players
during any given semester. Practice outside the
designated coaching sessions is required.
Prerequisite(s): Audition required.

161. Winthrop Chamber Orchestra (1:3).
Performs chamber works for strings and other
instruments.
Prerequisite(s): Audition required.

162. Jazz Combos (1).
Small group jazz setting of acoustic and electric
instruments concentrating on the study and performance
of improvisation in contemporary jazz and popular
musical styles.
Prerequisite(s): Audition required.
Notes: Offered in fall and spring.

163. Percussion Ensemble (1:3).
A full percussion ensemble performing all styles of
percussion literature from the standard repertoire and
from other cultures.
Notes: Offered in fall and spring.

164. Flute Choir (1:2).
A full flute choir formed from available players during
any given semester. Practice outside the designated
coaching sessions is required.
Prerequisite(s): Audition required.

165. Brass Ensemble (1:2).
A full brass ensemble formed from available players
during any given semester. Practice outside the
designated coaching sessions is required.
Prerequisite(s): Audition required.

166. Chamber Ensemble: Vocal (1:2).
Various small vocal ensembles formed from available
singers during any given semester. Practice outside the
designated coaching sessions is required.
Prerequisite(s): Audition required.

167. Chamber Ensemble (1:0:1).
Various chamber ensembles formed from strings, winds,
percussion, guitar and keyboards during any given
semester.
Prerequisite(s): Permission of the Chair.

168. Guitar Ensemble (1:2).
Various small guitar ensembles formed from available
guitarists during any given semester. Practice outside
the designated coaching sessions is required.
Prerequisite(s): Audition is required.
Notes: Offered in fall and spring.

169. Collegium Musicum (1:2).
A chamber ensemble formed from available players
during any given semester performing a variety of early
music on original instruments. Practice outside the
designated coaching sessions is required.
Prerequisite(s): Audition required.
Notes: Offered in fall.

171-172. Voice Class (1:2) (1:2).
An introduction to the fundamentals of singing with
practical application of principles. Open to nonmajors.

181-182. Piano Class (1:2) (1:2).
Beginning courses in basic keyboard skills including
reading from notation, scales, modes, improvisation, and
harmonization.
Notes: Offered in fall and spring.

185. Guitar Class (1:2).
An introduction to the fundamentals of playing the
guitar with practical application of principles.

Continued study of vocal fundamentals with emphasis
on practical application.
Prerequisite(s): MUSA 172 or permission of the
instructor.

281-282. Piano Class (1:2) (1:2).
A continuation of MUSA 181-182 but with more emphasis
on piano literature, sightreading, harmonization and
transposition.
Prerequisite(s): MUSA 182 or permission of the
instructor.
Notes: Offered in fall and spring.

291. Woodwind Methods (1:2).
Basic techniques of playing and teaching woodwind
instruments.
Notes: Lab Fee: $38. Offered in fall and spring.

293. String Methods (1:2).
Basic techniques of playing and teaching stringed
instruments.

295. Brass Methods (1:2).
Basic techniques of playing and teaching brass
instruments.
Basic techniques of singing and teaching vocal/choral groups.
Notes: Offered in fall and spring.

297. Percussion Methods (1:2).
Basic techniques of playing and teaching percussion instruments.

331. Composition (1-2).
A detailed study of composition in a private lesson setting designed to develop a basic skill or craft in the manipulation of musical materials. Extensive outside preparation.
Prerequisite(s): Permission of the Department.

332. Composition (1-3).
A detailed study of composition in a private lesson setting designed to develop a basic skill or craft in the manipulation of musical materials. Extensive outside preparation.
Prerequisite(s): Permission of the Department.

370. Opera Production (1).
Participation and experience in an opera production. The work performed will vary with the semester.
Prerequisite(s): MUST 321 and audition or permission of the instructor.

431. Composition (1-3).
A detailed study of composition in a private lesson setting designed to develop a basic skill or craft in the manipulation of musical materials. Extensive outside preparation.
Prerequisite(s): Permission of the Department.

432. Composition (1-3).
A detailed study of composition in a private lesson setting designed to develop a basic skill or craft in the manipulation of musical materials. Extensive outside preparation.
Prerequisite(s): Permission of the Department.

511. Score Reading (2-1).
Detailed study and analysis of musical scores to facilitate reducing scores to piano accompaniment.
Prerequisite(s): MUSA 282, MUST 212 and 507, or permission of the instructor.
Notes: May be re-taken for additional credit.

350. Special Topics in Peace, Justice, and Conflict Resolution Studies (3).
This is a special topics course that may be cross-listed with other academic departments to provide opportunities for faculty to teach courses in the Peace, Justice, and Conflict Resolution Studies minor.
Prerequisite(s): WRIT 101.
Notes: Offered in fall, spring and summer. Course may be repeated for credit.

490. Academic Internship in Peace, Justice, and Conflict Resolution Studies (3).
The academic internship in Peace, Justice, and Conflict Resolution Studies must be taken with permission from the director of the minor.
Prerequisite(s): Student must have completed or be concurrently enrolled in 12 hours of the Peace, Justice, and Conflict Resolution Studies minor in order to undertake internship.
Notes: Offered in fall, spring and summer.

Philosophy (PHIL)

201. Introduction to Basic Issues in Philosophy (3).
Overview of the major areas of philosophical inquiry, including the nature of reality, of the human self, of moral value, and of knowledge of God’s existence.
Notes: Offered every semester.

220. Logic and Language (3).
Introduction to classical and contemporary logic with special emphasis upon the nature of language used in reasoning and argumentation.
Notes: Offered every semester.

225. Symbolic Logic (3).
An introduction to modern symbolic logic, including symbolization, truth-value analysis, semantic and natural deduction for propositional and quantificational logic. Appropriate for students in computer science, sciences and mathematics.
Notes: Offered variable times.

230. Introduction to Ethics (3).
Begins with an introduction to several of the primary theories in ethics, like utilitarianism, egoism, deontology, etc. On this foundation, the course goes on to consider topics in applied ethics, such as abortion, human cloning, animal rights, drug legalization, world hunger, capital punishment, just war theory, etc.
Notes: Offered variable times.

301. History of Philosophy: Ancient Period (3).
Ancient Greece is the birthplace of Western philosophy and thought. This course examines major philosophers from this seminal period, including Heraclitus, Socrates, Plato, and Aristotle, and possibly later figures as well. Central topics include the ultimate nature of reality, our capacity for knowledge, morality, social justice, the good life.
Notes: Offered in fall.
302. History of Philosophy: Modern Period (3).
This course examines the emergence of modern philosophical thought from its ancient and medieval origins, focusing on a selection of the principal philosophers of the modern era such as Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. A primary theme of the course is the notion of the modern subject and its relation to the world.
Notes: Offered in spring.

303. Existentialism (3).
Introduction to the thought of the major existentialist thinkers, including Kierkegaard, Heidegger, Nietzsche, Tillich, Sartre and Camus.
Notes: Offered variable times.

305. American Philosophy (3).
Historical introduction to major United States philosophers from the eighteenth century to the present.
Notes: Offered variable times.

310. Theories of Knowledge (3).
An in-depth survey of the nature of knowledge. We examine both historical and contemporary views, including those of Plato, Kant, Kierkegaard, and Quine. Emphasis is on knowledge of the empirical world.
Prerequisite(s): PHIL 201 or 301 or 302, or permission of instructor.
Notes: Offered every other year, alternating with Metaphysics.

312. Metaphysics (3).
Metaphysics is the study of the fundamental nature of reality. This course examines central issues in contemporary metaphysics, including the categories of being, the nature of space and time, causality, modality, and change.
Prerequisite(s): PHIL 201 or 301 or 302 or permission of instructor.
Notes: Offered every other year alternating with Theories of Knowledge.

315. Historical Developments in Moral Reasoning (3).
An in-depth survey of the major developments in moral theories throughout the history of Western Civilization. We will investigate what moral philosophers have said about the rational development of a consistent and correct ideal of life, search for basic moral principles, and attempt to solve problems concerning the good and the bad, the right and the wrong.
Notes: Offered variable times.

320. Professional Ethics (3).
An examination of specialized standards of conduct and their justification as these standards relate to the traditional professions and to business.
Prerequisite(s): CRTW 201 or permission of the instructor.
Notes: Offered variable times.

340. Environmental Ethics (3).
Exploration of how we ought to live on earth, including our responsibilities to nonhumans and the planet.
Although oriented toward questions of ethics, the course also addresses environmental policy issues by critically evaluating the moral presuppositions underlying policy recommendations.
Prerequisite(s): CRTW 201 permission of the instructor.
Notes: Offered variable times.

350. Special Topics in Philosophy (3).
In-depth consideration of a specific topic of particular concern in philosophy.
Prerequisite(s): PHIL 201, 301, or 302, or permission of the instructor.
Notes: May be taken for additional credit under different topics. Offered variable times.

370. Philosophy of Law (3).
This course is highly recommended for pre-law students as well as those with an interest in public policy issues. We will relate traditional themes of legal philosophy to the live concerns of modern society, covering a series of selections that raise the most important issues. The philosophical issues covered recur in specific problems about liberty, justice, responsibility, and punishment.
Prerequisite(s): PHIL 201 or 301 or 302 or permission of instructor.
Notes: Offered variable times.

390. Philosophy of Religion (3).
An explication and analysis of the major philosophical issues involved in religious claims and commitments.
Prerequisite(s): 3 hours of Philosophy or consent of the instructor.
Notes: Cross-listed with RELG 390. Offered variable times.

450. Honors: Selected Topics in Philosophy (3).
An in-depth independent inquiry into a selected topic in philosophy.
Prerequisite(s): Permission of the Chair.
Notes: Offered variable times.

495. Methods and Research Seminar in Philosophy (3).
This course is an advanced research seminar for students who have already developed a solid background in their philosophy studies. The course emphasizes a detailed examination of selected topics and issues in philosophy. The course will include the assessment of core skills and knowledge from the major, and will improve writing skills as students develop their own research projects.
Prerequisite(s): PHIL 201 or 301 or 302; RELG 201 and 300; 6 additional hours in PHIL or RELG.
Notes: Intensive writing course. Offered in spring every other year.

550. Special Topics in Philosophy (3).
An in-depth consideration of a specific topic of concern in philosophy. The course may be offered under various topics.
Prerequisite(s): Permission of the instructor.
Notes: Offered upon request. May be retaken for credit under different topics.
PHILOSOPHY/PHYSICAL EDUCATION

575. Business Ethics (3).
Business Ethics is the application of our understanding of good/bad, right/wrong to the various institutions, technologies, transactions, activities, and pursuits we call business. We begin with a framework of basic principles for understanding the good/bad dichotomy and the implications this has for business. We proceed to a discussion of the ethical aspects of the market structure within which American business transactions are conducted. Next we consider ethical implications for the wider world from which business activity draws its natural resources and for the consumers to whom the products of business are sold. We conclude with an enquiry into the internal relationship between the organization and the individuals within it.
Prerequisite(s): CRTW 201.
Notes: Cross-listed with MGMT 575. Offered in fall.

Physical Education (PHED)

106. Tai Chi (1).
This course will teach the fundamentals of the ancient Chinese martial art of Tai Chi Chuan including basic posture, 12 and 72 movement forms, and push hands. The type of Tai Chi Gua, and Xing Yi, and has roots in the art of Chi Gong. It’s natural fluid stances make it an ideal exercise system for those who desire a low-impact and movement in order to encourage balance and focus as well as an understanding of the movement of energy within the body and sense of the body’s relationship with the space around it.
Notes: Lab Fee: $20. Offered in fall and spring.

110. Taekwando (1).
This course will provide fundamental skill development in the Korean martial art of Taekwando. The focus is on the self-development through self-defense skills.
Notes: Lab Fee: $20. Offered in fall and spring.

This course will allow students to apply the concepts of space awareness, effort, and relationships to human movement. Emphasis will be placed on using the three concepts to analyze both skilled and unskilled movements, explore the relationship of concepts to various skill themes, and apply the concepts in order to plan and implement developmentally appropriate instruction in physical education. A two hour teaching laboratory is part of the course.
Corequisite(s): PHED 118.
Notes: Lab Fee: $20. Offered in fall.

113. Disc Games (1).
This course will provide the student with an overview of Ultimate Disc and Disc Golf. Rules, etiquette, and participation in Ultimate Disc and Disc Golf will be the focus of this course.
Notes: Lab Fee: $20. Offered in fall and spring.

114. Mountain Biking (1).
This course will provide the student with an overview of mountain biking, rules of the trail and road, safety, riding techniques, clothing, equipment, and basic bike maintenance.
Notes: Lab Fee: $20. Offered in fall and spring.

115. Self Defense (1).
This course will allow students to enhance their overall wellness through the study of self-defense. The course is designed to teach students the fundamental self-defense skills through active participation.
Notes: Lab Fee: $20. Offered in fall and spring.

117. Basic Archery Instructor, NASP (1).
This course will certify students to conduct the National Archery in the Schools Program (NASP). The curriculum contains core content for a 2-week Olympic-style archery module. Fundamental archery skills will be taught.
Notes: $20. activity fee required. Offered in fall and spring.

118. Movement Education and Educational Gymnastics (1:0:2).
This course provides students with foundational knowledge of teaching techniques that foster creative movement. Students will apply movement concepts to various balancing and gymnastic skills. This class is a laboratory experience where students participate in movement lessons.
Corequisite(s): PHED 112.
Notes: Lab Fee: $20. Offered in fall.

120. Beginning Kayaking (1).
This course will provide students with the fundamental paddling skills for recreational level kayaking. Both flat water and river kayaking are included in the course. Two trips are will be taken off campus to meet class requirements. Students will identify and practice fundamental wellness skills.
Prerequisite(s): Students must demonstrate beginning level swimming skills.
Notes: Offered in spring and fall.

150. Skill Themes, Concepts and the National Standards for the Physical Educator (2).
PHED 150 is designed to provide an understanding of the skill theme approach to children’s physical education curriculum, based on skill themes, concepts and generic levels of skill proficiency. Emphasis will be placed on developing an applied understanding of both “how” and “what” to teach in elementary physical education that will help children to begin to acquire the fundamental competencies needed to successfully participate in physical activities they will pursue as adolescents and adults.
Notes: Offered in spring.

200. Sport Ethics (3).
This course provides an overview of the ethical principles that guide major amateur and professional sport organizations. Ethics applied to sport business and ethical decision-making will also be a focus of the course.
Prerequisite(s): SPMA major. SPMA 101.
Notes: Offered in fall and spring.
This course consists of units of instruction in cardiorespiratory exercise, muscular fitness and flexibility, nutrition and body composition, and exercise safety. Class practicums will involve opportunities to learn and participate in a variety of fitness related activities and assessment procedures.
Notes: Lab Fee: $20. Offered in fall.

203. Developmental Movement for Young Children (3:2:1).
This course focuses on movement education as a tool for enhancing cognitive, physical, and social development for the young child (ages 3-8). Emphasis will be on acquiring a basic understanding of developmentally appropriate motor programming for young children and teaching strategies which enable young learners to develop fundamental movement concepts, skill themes, and fine motor skills. Attention will also be given to the importance of integrating movement across the curriculum to enhance cognitive and social development.
Notes: Offered in fall and spring.

204. Snow Skiing (1:2).
Notes: Additional fee required. A grade of S or U is recorded for this course. Offered during winter break.

205. The Martial Arts (1:2).
Physical fitness and self-defense are the primary emphasis within the traditional framework of discipline, endurance and self-control unique to the martial arts.
Notes: Lab Fee: $20. Offered in fall and spring. May be repeated for credit.

206. Outdoor Education: Hiking, Backpacking, Rafting (1:2).
Notes: Additional Fee: $90. A grade of S or U is recorded. Offered in spring.

207. Intermediate Snow Skiing (1:2).
Notes: Additional fee required. A grade of S or U is recorded. Offered during winter break.

208. Weight Control Through Diet and Exercise (2:1:2).
Lecture and laboratory designed to demonstrate principles of nutrition and exercise related to the control, including eating disorders.
Notes: Cross-listed with NUTR 208. Offered in spring.

221. Beginner’s Swimming (1:2).
Basic safety skills and swimming stroke skills are taught in accordance with the specifications of the American Red Cross courses.
Notes: Lab Fee: $20. Offered in fall and spring.

224. Lifeguard Training (2:2:1).
This course is designed to meet the American Red Cross certification requirements for Lifeguard Training.
Prerequisite(s): Swimming endurance, knowledge of basic strokes, standing dive, treading water, surface diving and underwater swimming.
Notes: Lab Fee: $20. Offered in spring.

225. Water Safety Instructor (2:3).
Theory and practice of teaching swimming and water safety skills to all ages, infant through adult. This course meets the certification requirements of the Water Safety Instructor course of the American National Red Cross.
Prerequisite(s): Pre-test basic swimming strokes for speed and accuracy, age 17 or older. Current instructor authorization in Health Instructor Candidate Training Course (TCT).
Notes: Lab Fee: $20. Offered in fall.

226. Scuba Diving (1:1:2).
This course is designed to provide the average, or above average, swimmer with an opportunity to become a certified PADI scuba diver. There is an extra fee above the regular registration.
Notes: Additional Fee: $220. A grade of S or U is recorded. Offered in fall and spring.

227. Lifeguard Instructor & Aquatic Management (1:2).
The purpose of the course is to train students to teach the American Red Cross Basic and Emergency Water Safety, Lifeguard Training and Lifeguard Training Review courses. It will also equip students to manage various aquatic facilities.
Prerequisite(s): PHED 224 or equivalent.
Notes: Lab Fee: $20. Offered in summer.

228. Advanced Scuba (1-2).
This course is a continuation of PHED 226 - Scuba Diving. The successful student will receive international diver certification beyond the PHED 226 level.
Prerequisite(s): PHED 226.
Notes: Additional Fee: $145. A grade of S or U is recorded. Offered in fall and spring.

229. Scuba Diver Rescue (1-2).
Students will learn how to effect above and underwater rescue of a SCUBA diver. The successful candidate will receive international certification as a SCUBA diver rescuer.
Prerequisite(s): PHED 228.
Notes: Additional Fee: $195. A grade of S or U is recorded. Offered in fall and spring.

231. Fitness for Life (2).
A participation/theory course in which aspects of fitness and activity are studied.
233. Badminton (1:2).
Notes: Lab Fee: $20. Offered in fall and spring.

234. Teaching Invasion and Net Games (2:1:1).
Students will participate in invasion and net games to gain an understanding of tactics and strategies necessary for effective game play. Course will include grid activities, methods for closing and opening space, and teaching for effective decision making during game play. Prerequisite(s): PHED 112 and 150.
Notes: Offered in spring.

235. Beginner’s Tennis (1:2).
Notes: Lab Fee: $20. Offered in fall and spring.

236. Intermediate Tennis (1:2).
This course is designed to refine and improve basic strokes. Advanced strokes and techniques are incorporated. Students are given opportunity to learn game strategy and tactics through tournament play.
Notes: Lab Fee: $20. Offered in fall and spring.

237. Golf (1:2).
Notes: Lab Fee: $20. Offered in fall and spring.

238. Intermediate Golf (1:2).
Designed to reinforce previously learned skills and to add other skills with supplementary knowledge for game play and appreciation.
Notes: Lab Fee: $20. Offered in fall and spring.

242. Motor Learning and Control (3:).
This course is designed to present information concerning fundamental concepts in motor learning and control. Topics include stages of skill acquisition, neurological bases of movement, motor integration, feedback, motor memory, conditions of practice, attention, perception, and the scientific method. Students will apply theoretical concepts to human movement.
Notes: Offered in fall and spring.

243. Pilates (1:0:0).
Pilates is an exercise system that improves core strength, flexibility, agility and economy of motion. This is an low impact system designed to strengthen the back, legs, and upper body.
Notes: Lab Fee: $20. Offered in spring and fall.

244. Fitness through Core Stability (1).
This course is designed to introduce students to the core principles of exercise. The course will include use of stability balls to enhance core strength and flexibility. The course will improve the overall health and wellness of students.
Notes: $20. Activity fee required. Offered in fall and spring.

245. Water Aerobics (1:2).
A course designed to increase cardiovascular fitness through the use of locomotor movements and callisthenic type exercise in the water. No swimming skills are needed for success in this course.
Notes: Lab Fee: $20. Offered in fall and spring.

246. Aerobic Walking (1:2).
This course is designed to increase cardiovascular fitness through brisk walking. It will contain a core of knowledge concerning conditioning, self-assessment, injury prevention, stress reduction, and other related health topics for optimum wellness outcomes.
Notes: Lab Fee: $20. Offered in fall and spring.

253. Current Activities: Basic Training (1).
Basic training is a participation course designed to increase strength, definition and cardio-respiratory fitness through the use of light hand weights in a continuous exercise routine to music.
Notes: Lab Fee: $20. Offered in fall and spring.

254. Volleyball (1:2).
Notes: Lab Fee: $20. Offered in fall and spring.

256. Intermediate Basketball (1:2).
Notes: Lab Fee: $20. Offered in fall and spring.

257. Current Activities: Cardio Kick (1:0:2).
Cardio Kick is a trendy, upbeat cardiovascular training that combines martial arts and “Boot Camp” techniques. The class will begin with a focus on the use of STEPS then will add the Martial Arts elements, ending with high intensity “Boot Camp” plyometrics system. No prior experience necessary.
Notes: Lab Fee: $20. Offered in fall and spring.

261. Movement Activities for Teachers of Children Ages 6-12 (1).
A participation course of movement and fitness activities based on movement concepts and skill themes. This course is designed to provide elementary education teachers with a fundamental understanding of fitness concepts and developmentally appropriate movement lessons for children 6-12 years of age.
Notes: Lab Fee: $20. Offered in fall and spring.

265. Current Activities: Aerobic Dance (1:2).
A fitness-oriented course using continuous dance routines with music.
Notes: Lab Fee: $20. Offered in fall and spring.

266. Yoga (1).
A participation course focused on enhanced flexibility, posture, and breath control. It includes a gentle but firm
approach to discipline through the fundamental principles of this ancient practice.
Notes: Lab Fee: $20. Offered in fall and spring.

267. Weight Training (1:2).
The study and practice of weight training activities.
Notes: Lab Fee: $20. Offered in fall and spring.

269. Track and Field (1:2).
Notes: Not offered this academic year.

270. Intermediate Badminton (1:2).
Prerequisite(s): PHED 233 or permission of the instructor.
Notes: Lab Fee: $20. Offered in spring.

282. Beginning Rock Climbing (1:0:2).
This course is designed to allow the student an opportunity to learn and experience current techniques, safety, equipment, and fitness of basic rock climbing.
Notes: Additional Fee: $40. Offered in fall and spring.

290. Assessment in Physical Education (3).
This course will provide the student with the basic knowledge and skills necessary to assess K-12 student performance in physical education. Emphasis is given to analyzing skills, selecting & administering traditional assessment instruments, and developing authentic assessment tools. Participants will be working with k-12 students during the class. Prerequisite(s): Must be a physical education teacher certification major to take this course.
Notes: Offered in spring.

303. Teaching Aerobic Activity (1).
This course is designed to increase knowledge and instructional skills in various forms of aerobic exercise such as aerobic dance, water aerobics, and aerobic walking. The course will also investigate certification programs and requirements for individuals to lead and teach aerobic exercise classes. Prerequisite(s): Physical Education majors or permission of the chair.
Notes: Offered in fall spring.

This course is designed to expand the student’s knowledge of outdoor recreation. Introduction and participation in outdoor pursuits such as backpacking, rock climbing, kayaking, rafting, orienteering, cycling and ropes course are included. Field experiences are required. Notes: Additional Fee: $90. Offered on demand.

324. Dive Leader (1-2).
Students will learn to plan safe and successful diving activities and how to supervise students in training. Students will receive international certification that allows them to assist with and supervise SCUBA activities. Prerequisite(s): PHED 229.
Notes: Additional Fee: $400. Offered on demand.

325. Sport Governance and Ethics (3).
This course provides an overview of the major amateur and professional sports governance structures and the ethical principles that guide these organizations. Ethics applied to sport business and ethical decision-making will also be a focus of the course. Prerequisite(s): SPMA major.
Notes: Offered in spring.

327. Scientific Foundations of Sport (3).
The study and practical application of physiological, biomechanical and motor learning principles as they relate to athletic performance. Prerequisite(s): BIOL 101. Notes: This course is restricted to SPMA majors and coaching minors. Offered in spring.

330. Physical Education & Recreation for Children with Special Needs (3).
This course is designed to acquaint students with methods, techniques, and activities to be used in assessment of abilities and teaching physical education for children with special needs. Prerequisite(s): Sophomore level or higher.

This course involves the study and application of theories of development and instruction, with particular attention to the goals and values of a well-planned and executed physical education program for children in grades K-5. Prerequisite(s): Admission to Teacher Education Program. Corequisite(s): PHED 369.
Notes: Offered in spring.

349. Physical Education Curriculum & Methodology for the Intermediate or Middle School (2:2:2).
Study and application of theories of adolescent development and physical education planning and instruction, with particular attention to the goals and values of a well-planned and executed physical education program at the intermediate or middle school level. Prerequisite(s): Admission to Teacher Education Program. Corequisite(s): PHED 369.
Notes: Offered in fall.

350. Adapted Physical Activity and Sport (3).
This is an introductory course designed to provide the student with the knowledge and skill required to meet the professional and legal mandates pertaining to physical activity for individuals with disabilities. On-hand experience with individuals who have disabilities is a part of the course work. In addition, students are required to complete 10 hours of service working with individuals who have disabilities in the Rock Hill area. Notes: Offered in fall.

361. First Aid and Cardiopulmonary Resuscitation (1).
Meets requirements for American Red Cross Certification(s) in the areas of Standard First Aid, Adult, Child and Infant CPR. Safety practices and emergency procedures are included.
PHYSICAL EDUCATION

Notes: Lab Fee: $20. Offered in fall and spring.

379. Teach Advanced Based Experiential Education (3).
This course introduces experiential education techniques as they apply to a ropes course and to outdoor setting. Topics will include the experiential learning cycle, feedback, support, processing, safety techniques and effective communication.
Notes: Lab Fee: $20. Offered in fall and spring.

380. History of Sport (3).
This course provides an overview of sport in the United States with primary focus on the nineteenth century. Sport will be examined as both an outgrowth of education and as an economic enterprise. Selected sports will be studied from the standpoint of their development, influential people and governance. The roles of women and minorities in sport will be studied along with the factors in influencing their participation.

381. Research Methods in Physical Activity and Sports Management (3).
Students will learn to read, interpret, and write research in health and physical education, athletic training, exercise/fitness, and sports management.
Prerequisite(s): Junior status, grade of C or better in WRIT 101 or GNED 102.
Notes: Intensive Writing course. Restricted to ATRN, EXSC, PHED and SPMA majors. Offered in fall and spring.

382. Kinesiology (3:2:2).
The study of human movement.
Prerequisite(s): BIOL 307.
Corequisite(s): BIOL 307.
Notes: Offered in fall and spring.

384. Exercise Physiology (3:2).
This course will examine how the human body, from a functional and health-related standpoint, responds, adjusts, and adapts to acute exercise and chronic training. Basic skills of imparting health-related fitness information will also be presented.
Prerequisite(s): BIOL 308 (Also may be taken as a corequisite.)
Notes: Offered in fall and spring.

391. Principles of Teaching Physical Education, Curriculum & Methodology for Grades 6-12 (3).
The content is specific to the students’ subject matter field and addresses specific instructional needs and techniques. Specifically, this course focuses on development and delivery of physical education programs designed for students in grades 6-12.
Prerequisite(s): Admittance to Teacher Education.
Notes: Offered in spring.

393. Practicum in Coaching (1:1:1).
This course is designed to provide field experiences to the junior and senior coaching minor student. The 40 hour experience will be in a coaching setting with a focus on preparing and supervising athletes in all areas of sport competition.
Prerequisite(s): Nine hours completed in the coaching minor to include PHED 361 or 561 and permission from the coaching minor coordinator.
Notes: A grade of S or U is recorded. Offered in fall and spring.

394. Field Experience in Teaching Physical Education (1:0:8).
Students will spend 8 hours per week in the classroom under the supervision of a physical education professor and will work with a mentor teacher, in preparation for the final internship experience.
Prerequisite(s): Admission to Teacher Education Program and EDUC 310.
Corequisite(s): PHED 391 and EDUC 390.
Notes: A grade of S or U is recorded. Offered in fall.

395. Fitness/Wellness Program Application (1).
This course is designed to give appropriate field experiences to the junior Physical Education major in the fitness/wellness option. The 30 hour experience will occur in the cognate area and will require the student to demonstrate planning and instructional skills in a fitness/wellness setting.
Prerequisite(s): PHED 264 or permission of instructor.
Notes: Offered in fall and spring.

408. Special Problems in Physical Education (1).
Independent study in Physical Education and related areas.
Notes: Offered as needed.

450. Honors: Selected Topics in Physical Education and Allied Fields (3).
Prerequisite(s): Seventeen hours in physical education and permission of the Department Chair.
Notes: Offered on demand.

460. Special Topics in Physical Education: Coaching Basketball (1).
This course is designed to allow the prospective coach an opportunity to review basic skills and strategies in coaching basketball.
Prerequisite(s): Experience in basketball or permission of instructor.

462. Special Topics in Physical Education: Coaching Volleyball (1).
This course is designed to allow the coach, or prospective coach, an opportunity to review basic skills and strategies, and to investigate intermediate and advanced volleyball techniques and strategies.
Prerequisite(s): Experience in volleyball or permission of instructor.

464. Special Topics in Physical Education: Coaching Baseball/Softball (1).
This course is designed to allow the prospective coach to review the current theories, trends, and training techniques in the teaching and coaching of baseball and fast-pitch softball.
Prerequisite(s): Experience in baseball or softball or permission of instructor.
465. Strength and Conditioning Certification (2).
This course is designed to prepare students for the National Strength and Conditioning Certification examination. Students will be planning and implementing weight training and conditioning programs based on individual assessments. In addition, students will be reviewing current techniques, theories, and practices of conditioning and strength training for various sports.
Prerequisite(s): PHED 267.
Notes: Offered in spring.

466. Special Topics in Physical Education: Coaching Soccer (1).
This course is designed to allow the prospective coach to review the current skills, strategies and training techniques on coaching soccer.
Prerequisite(s): Sophomore status; Experience in soccer or permission of instructor.

476. Facilities Management and Design (3).
The role and responsibilities of facility management and design in sport. Emphasis will be placed on fiscal management, facilities operation, risk management and the design process.
Prerequisite(s): SPMA 101.
Notes: Restricted to EXSC, SPMA and PHED majors or permission of chair. Offered in fall and spring. SPMA 101 may be taken concurrently with this course.
Notes: Offered in fall and spring.

This course will examine the appraisal of health-related fitness and exercise programming for individuals who are healthy, at risk, injured and unhealthy individuals.
Prerequisite(s): PHED 382 and 384, and BIOL 307 and 308.
Notes: Offered in fall and spring.

482. Effective Leadership in Outdoor Education (3).
Through this course students will gain skills and knowledge to enable them to become effective leaders in outdoor settings. This information includes program design and trip planning, decision making, emergency procedures, leadership styles, goal setting, facilitation, risk management and ethics.
Prerequisite(s): PHED 307.

512. Seminar on Contemporary Leaders and Organizations in Health, Physical Education and Recreation (2).
Study of current issues and contemporary leaders through preliminary study and attendance at the South district or National AAHPERD Convention.
Notes: Offered in spring. May be retaken for additional credit.

525. Risk Management in Physical Activity and Sport (3).
This course is designed to introduce the student to the legal principles applicable to a variety of sport settings. The topic of tort liability will be explored in depth with special emphasis on the effective management of risk.
Prerequisite(s): Junior status or above as a SPMA or EXSC major. SPMA 101.
Notes: SPMA 101 may be taken concurrently with this course. Offered in fall.

548. Psychology of Sport and Physical Activity (3).
An analysis of the psychological factors involved in sport and physical activity with emphasis on performance enhancement.
Prerequisite(s): PSYC 101 and junior status.
Notes: Offered in fall and spring. SPMA 101 may be taken concurrently with this course.

571. Theory and Assessment of Coaching (3).
This course will be an introduction to the philosophy, principles and techniques of effective coaching with emphasis on the psychological and sociological processes of preparing athletes for competition. In addition, various evaluation instruments and procedures will be analyzed as related to coaching effectiveness.
Notes: Offered in spring odd years.

510. Financial Management of Fitness and Interscholastic Athletic Programs (3).
The purpose of the course is to introduce students to a number of financial and staffing topics that are relevant to the sport industry. Major concepts to be studied will include basic financial concepts, budgeting, revenue streams, current financial issues in sports, staffing, assessment of staff, staffing policy and procedures, and a number of other relevant topics.
Prerequisite(s): EXSC or SPMA major. Junior, Senior, or Graduate standing.
Notes: Offered in fall.

501. Physical Science (PHSC)

101. Physical Science (3).
A survey of the basic principles, laws and methodology in Physics and Astronomy.
Notes: Offered a needed.

102. Physical Science (1).
Survey of the basic principles, laws and methodology in Chemistry and Earth Science.
Prerequisite or corequisite(s): PHYS 101
Notes: Offered as needed.

PHYSICS

101. Everyday Physics (3).
A conceptual introduction to the physics of everyday phenomena primarily intended for non-science majors. Introductory concepts and principles in mechanics, sound, heat, electricity, magnetism, and light will be covered.
Notes: Offered in summer.

102. Everyday Physics Laboratory (1:0:3).
An introductory physics laboratory course primarily intended for non-science majors. Experiments will be selected from mechanics, sound, heat, electricity, magnetism, and light.
105. Energy and the Environment (3).
The course surveys energy resources and deals with present and possible future energy usage and its effect on the global Environment.

201. General Physics I (4:3:3).
Basic concepts and principles of physics, including mechanics, heat, sound, electricity, magnetism, and optics.
Prerequisite(s): Completion of General Education Quantitative Skills requirement with a grade of C or above.
Notes: Lab Fee: $40. A student may not receive credit for both PHYS 201 and 211 and for both PHYS 202 and 212. Offered in fall.

202. General Physics II (4:3:3).
Basic concepts and principles of physics, including mechanics, heat, sound, electricity, magnetism, and optics. Primarily a course for students in the life and health sciences.
Prerequisite(s): A grade of C or better in PHYS 201.
Notes: Lab Fee: $40. Offered in spring.

211. Physics with Calculus I (4:3:3).
A calculus-based introductory physics course primarily intended for students in the physical and mathematical sciences. The course covers mechanics, wave motion, thermodynamics, electromagnetism, optics and some modern physics.
Prerequisite(s): A grade of C or better in MATH 201.
Notes: Lab Fee: $40. Offered in spring.

212. Physics with Calculus II (4:3:3).
A calculus-based introductory physics course primarily intended for students in the physical and mathematical sciences. The course covers mechanics, wave motion, thermodynamics, electromagnetism, optics and some modern physics.
Prerequisite(s): A grade of C or better in PHYS 211.
Notes: Lab Fee: $40. Offered in fall.

250. Matter and Energy (3).
An introductory course in physics and chemistry primarily intended for education majors, incorporating the science curriculum standards of South Carolina. Restricted to ECED, ELEM and SPED majors.
Prerequisite(s): Completion of General Education Quantitative Skills Requirement with a grade of C or above.
Corequisite(s): PHYS 251.
Notes: Restricted to ECED, ELEM and SPED majors. Offered in fall.

251. Matter and Energy Laboratory (1:0:3).
A laboratory to accompany PHYS 250. Restricted to ECED, ELEM and SPED majors.
Prerequisite(s): MATH 150.
Corequisite(s): PHYS 250.
Notes: Lab Fee: $40. Offered in fall and spring.

253. Astronomy (3).
A descriptive astronomy course for the liberal arts student covering the solar system, stars, galaxies, and cosmology.
Notes: Offered in spring.

256. Musical Acoustics (3).
An introductory musical acoustics course covering production, propagation and basic properties of musical sounds as well as musical instruments, auditorium acoustics and sound reproduction media.
Notes: Offered as needed.

301. Modern Physics (3).
An introductory modern physics course covering relativity, early quantum theory and basic quantum mechanics with selected applications to atomic, nuclear, solid state, and particle physics.
Prerequisite(s): A grade of C or better in PHYS 212 or PHYS 202.
Notes: Offered as needed.

315. Circuit Analysis (3:2:3).
An intermediate level circuit analysis course that covers DC and AC circuits and their design using semiconductor devices.
Prerequisite(s): A grade of C or better in PHYS 212 or PHYS 202 and MATH 202.
Notes: Lab Fee: $40. Offered as needed.

321. Materials Science (3).
An introduction to the synthesis, structure, properties, and technical performance of engineering metals, ceramics, and polymers and semiconductors and superconductors.
Prerequisite(s): A grade of C or better in PHYS 202 or 212 and CHEM 106.
Notes: Offered as needed.

Introduction to the principles of particle and rigid body mechanics with engineering applications. Force systems, equilibrium conditions, simple structures, and machines will be analyzed.
Prerequisite(s): A grade of C or better in PHYS 211.
Notes: Offered as needed.

A study of kinematics and kinetics of particles and rigid bodies. Major topics covered are Newton's second law, work-energy and impulse-momentum principles, energy and momentum conservation laws and applications of plane motion of rigid bodies.
Prerequisite(s): A grade of C or better in PHYS 331.
Notes: Offered as needed.

350. Thermodynamics (3).
An intermediate level thermodynamic course that covers the basic concepts of heat and temperature, the laws of thermodynamics with application to simple
thermodynamic systems, processes, and thermal properties of substances.
Prerequisite(s): A grade of C or better in MATH 202 and PHYS 201 or 211 or CHEM 106.
Notes: Offered as needed.

351, 352, 353. Independent Study in Physics (3) (3) (3).
Directed study of topics in physics which are not available through the regular curriculum.
Prerequisite(s): Permission from the Department Chair and PHYS 202 or 212.
Notes: Offered in fall, spring and summer.

Political Science (PLSC)

201. American Government (3).
National governmental institutions and the political processes which shape public policy. Meets state requirements for course on the U.S. Constitution.
Notes: Offered in fall, spring and summer.

202. State and Local Government (3).
A comparative study of the structure and functions of state and local government institutions and political processes.
Notes: Offered in fall and spring.

205. International Politics (3).
An introduction to the conceptual framework of contemporary foreign policy and international relations.
Notes: Offered in fall and spring.

207. Comparative Politics (3).
An introduction to the discipline of comparative politics. The course will explore the theoretical components of governments of the world and will prepare students for upper level area studies.
Notes: Offered in fall and spring.

260. The United Nations (3).
Notes: Lab Fee: $10. Intensive Oral Communication course. Offered in spring.

261. Model UN Symposium (1).
Learn to chair and support parliamentary organizations. Manage large conference. Understand how United Nations Secretariat functions.
Prerequisite(s): PLSC 260 with a grade of C or better or permission of instructor.
Notes: Offered in fall and spring.

306. Congress (3).
Congress and its principal activities, including an analysis of the way in which Congress makes public policy.
Prerequisite(s): PLSC 201 with a grade of C or better, or permission of instructor.

307. American Parties and Practical Politics (3).
Political parties, interest groups and citizen politics.
Prerequisite(s): PLSC 201 with a grade of C or better, or permission of instructor.
Notes: Offered variable times.

310. The Judiciary (3).
The courts as decision-making bodies in the political process. Their relationship to the legal profession, interest groups and other parts of government.
Prerequisite(s): PLSC 201 with a grade of C or better, or permission of instructor.
Notes: Offered variable times.

The substantive law of separation of powers; powers among the branches of government and between national and state governments. Emphasis on legal, political and historical contexts and processes.
Prerequisite(s): PLSC 201 with a grade of C or better, or permission of instructor.
Notes: PLSC 311 and 312 in combination may be used to satisfy the Constitution requirement.

312. Constitutional Law: Civil Rights and Civil Liberties (3).
The substantive law of rights and liberties, with an emphasis on the political freedoms of speech and press, religious freedom, freedom from discrimination, and due process rights in criminal law.
Prerequisite(s): PLSC 201 with a grade of C or better, or permission of instructor.
Notes: PLSC 311 and 312 in combination may be used to satisfy the Constitution requirement.

313. Public Opinion and Political Participation (3).
The nature, formation and measurement of public opinion, including the kinds of political participation, and the ways that public opinion, political participation, and public policy influence one another. Participation in conducting telephone surveys is required.
Prerequisite(s): PLSC 201 with a grade of C or better, or permission of instructor.
Notes: Lab Fee: $40. Offered variable times.

314. Media and Politics (3).
The effects of the mass media on American politics including its role in campaigns, institutions and public policy.
Prerequisite(s): PLSC 201 with a grade of C or better, or permission of instructor.

315. Urban Politics (3).
The operation of government in metropolitan areas.
Prerequisite(s): PLSC 201 with a grade of C or better, or permission of instructor.
Notes: Cross-listed with AAMS 315. Offered variable times.

317. African American Politics (3).
This course is designed to provide students with a thorough understanding of the Black political experience in the United States. It considers relevant historical background and context, the constitutional framework of American government, and the nature of interactions with the main institutions of government. What is more, the course focuses on the role and participation of Blacks in US government and politics as well as the role of political parties, independent government politics, and social movements. In the process, the course highlights the Black struggle for freedom, justice, equality, and full inclusion in the American political community. The role of race, class, and gender in African American politics is a concomitant focus of the course.
Prerequisite(s): PLSC 201 with a grade of C or better, or AAMS 300, or permission of instructor.
Notes: Cross-listed with AAMS 317. Offered periodically.

320. Public Budgeting (3).
A practical focus upon public finance that includes a comparison of alternative budget formats, key analytical techniques and budgetary politics.
Prerequisite(s): PLSC 201 with a grade of C or better, or permission of instructor.
Notes: Offered variable times.

321. Public Policy and Policy Analysis (3).
A study of policy formulation and adoption at various governmental levels and of methodologies used to measure policy impacts.
Prerequisite(s): PLSC 201 with a grade of C or better, or permission of instructor.
Notes: Offered variable times.

323. Public Administration (3).
This course explores the major topics in the study of public administration, including organizational theory, personnel management, financial management and administrative law.
Prerequisite(s): PLSC 201 with a grade of C or better, or permission of the instructor.

325. Environmental Politics (3).
A study of the creation and implementation of major national and international environmental policies, and the varied social and political movements engaged environmental politics.
Notes: Offered variable times.

332. Government and Politics of Asia (3).
Examination of historical and contemporary political issues, political forces, and governmental institutions in Asia.
Prerequisite(s): PLSC 205 or PLSC 207, or permission of instructor.
Notes: Offered variable times.

335. Government and Politics of Latin America (3).
Examination of contemporary political issues, political forces, and governmental institutions in Latin America.
Prerequisite(s): PLSC 205 or 207 or permission of instructor.
Notes: Offered variable times.

336. Post Soviet Politics (3).
An introduction to the government and politics of the nations of the former Soviet Union with particular emphasis on the politics of reform. The latest scholarship will be utilized, as will the enduring classics in the field.
Prerequisite(s): PLSC 205 or 207 or permission of instructor.

337. Women and Global Politics (3).
Examines the role of women in the sphere of global politics. Course assumes some knowledge of the basic issues confronting women in contemporary global context.
Prerequisite(s): WMST 300 or PLSC 205 or 207 or permission of instructor.
Notes: Cross-listed with WMST 337.

Examination of historical and contemporary political issues, political forces, and governmental institutions in Africa.
Prerequisite(s): PLSC 205 or 207 or AAMS 300, or permission of instructor.
Notes: Cross-listed with AAMS 338. Offered variable times.

345. European Politics (3).
A study of governmental systems, cultures, and enduring problems of Western and Central Europe.
Prerequisite(s): PLSC 205 or 207 or permission of the instructor.
Notes: Offered alternate fall semesters.

350. Scope and Methods (3).
Introduction to methodology, the research process, the relationship of theory to research and the conduct of research involving research techniques and simple numerical analysis. Participation in conducting telephone surveys is required.
Notes: Lab Fee: $40. Offered in fall and spring.

351. Ancient and Medieval Political Thought (3).
Survey of the history of Western political thought from the Ancient Greeks through the Middle Ages.
Prerequisite(s): HMXP 102 or permission of instructor.

352. Modern and Contemporary Political Thought (3).
Survey of the major political ideas of the modern era from the Enlightenment through Postmodernism.
Prerequisite(s): HMXP 102 or permission of instructor.

355. Political Ideologies (3).
A critical study of the ideologies important to the formulation and development of the political systems in the modern world.
Prerequisite(s): HMXP 102 or permission of instructor.
POLITICAL SCIENCE

356. American Political Thought (3).
Explores the origins of current American Political Thought through an examination of political writings from colonial times to the present.
Prerequisite(s): HMXP 102 or permission of instructor.
Notes: Course may be used to satisfy the constitution requirement.

This course will address the complex questions inherent about international organizations and employ a text on the subject. The combination of course structure and the student contribution and obligation will allow Winthrop students to compete at a higher level in the collegiate conferences. The course will also allow for more specific research areas on country assignment politics rather than the broader ideas found in PLSC 260.
Prerequisite(s): PLSC 260.
Notes: Lab Fee: $65. Offered in fall. May be taken twice for academic credit.

371. Women and Politics in the U S (3).
Women, as a special interest group, and their role in the American political process.
Prerequisite(s): PLSC 201 or WMST 300 with a grade of C or better, or permission of instructor.
Notes: Cross-listed with WMST 371.

390. Selected Topics in Political Science (3).
Topics to be chosen by the instructor.
Notes: May be retaken for additional credit. Offered variable times.

450H. Honors: Selected Topics in Political Science (3).
Prerequisite(s): Permission of the Chair.
Notes: Offered in fall and spring.

470. Experiential Learning in Political Science (0).
Students participate in a significant experiential learning opportunity in political science or related field, requiring a commitment of at least 20 hours, typically undertaken outside of course requirements.
Prerequisite(s): Permission of department chair required.
Notes: Students must provide adequate documentation of the hours and placement.

471, 472, 473. Academic Internship in Political Science (1) (2) (3).
Prerequisite(s): Permission of the Chair.
Notes: Offered in fall, spring and summer.

490. Senior Capstone in Political Science (3).
Students explore the development of Political Science as a discipline and write a lengthy paper on a Political Science topic of their choice.
Prerequisite(s): PLSC 350 and a total of 21 hours of Political Science; senior status.
Notes: Students may not receive credit for both PLSC 450H and PLSC 490, or both HONR 450H and PLSC 490. Intensive Writing course. Offered in spring.

498. Independent Study in Political Science (3).
This course is designed to allow students to study a topic of Political Science in greater depth than allowed in a traditional classroom setting. Students will receive assignments from their supervising instructor as appropriate.
Prerequisite(s): Permission of instructor and chair required.
Notes: Course may be repeated once. Students are limited to total of nine hours in PLSC 450H, 471, 472, 473, 498, 501, 502 and 503.

501. Academic Research in Political Science (1).
Students conduct original research in a Political Science field.
Notes: Students are limited to nine total credits in PLSC 471, 472, 473, 498, 501, 502, 503, and 450H.

502. Academic Research in Political Science (2).
Students conduct original research in a Political Science field.
Notes: Students are limited to nine total credits in PLSC 498, 471, 472, 473, 501, 502, 503, and 450H.

503. Academic Research in Political Science (3).
Students conduct original research in a Political Science field.
Notes: Students are limited to nine total credits in PLSC 498, 471, 472, 473, 501, 502, 503, and 450H.

504. American Foreign Policy (3).
Study of policy formulation and the decision-making process.
Prerequisite(s): PLSC 205 or 207 or graduate status or permission of instructor.

505. Government and Politics of Modern China (3).
This course will provide students a chance to focus on one of the most powerful Asian countries in the world in terms of its place in present day politics. Students will learn how China deals with its own policies as a Communist country and how it deals with the rest of the world.
Prerequisite(s): PLSC 205 or 207 or graduate status or permission of instructor.
Notes: Offered alternate years.

506. International Political Economy (3).
A study of the foundations and operation of the international political economy. Examines the impact and influences of the key institutions, theories, and trends guiding the interaction of politics and economics globally.
Prerequisite(s): PLSC 205 or 207 or graduate status or permission of instructor.

508. National Security (3).
An exploration of a number of approaches to national security, including traditional military analysis to newer issues such as environmental and resource security.
Prerequisite(s): PLSC 205 or 207 or graduate status or permission of instructor.
Notes: Offered alternate fall semesters.

510. Topics in Political Inquiry (3).
Topics to be chosen by the instructor.
512. Politics and Education (3).
Public schools as agents of political socialization and their interaction with governments and political forces at the local, state and national level.
Prerequisite(s): PLSC 201 with a grade of C or better, or graduate status or permission of instructor.
Notes: Offered variable times.

514. Survey Research and Data Management (3).
This course offers a comprehensive, hands-on examination of survey research including questionnaire construction, programming a Computer Aided Telephone Interviewing (CATI) system, sampling frames, survey methodology, caller training and supervision, data collection, and data analysis.
Prerequisite(s): Permission of the instructor.
Notes: Offered variable times.

518. Politics of the American South (3).
Focuses on the unique politics of the South. It places southern politics in its theoretical and historical context and examines the central role of race in southern politics as well as regional importance to national politics.
Prerequisite(s): PLSC 201 with a grade of C or better, or graduate status, or permission of instructor.
Notes: Cross-listed with AAMS 518. Offered fall or spring on a biennial basis.

524H. Health, Media and Public Policy (3).
This course examines the intersection between media and public policy, with a particular focus on the field of health policy.
Prerequisite(s): Undergraduate GPA of 3.3 or graduate status.

551. African American Political Thought (3).
This course explores the historical struggle of African Americans to assess their identity in relationship to their legal and social oppression. In reflecting on the work of Audre Lorde, W.E.B. DuBois, Frederick Douglass, Langston Hughes, James Baldwin, Ralph Ellison, Sojourner Truth, Toni Morrison, Edward Said, Martin Luther King, Malcolm X, Cornell West, Henry Louis Gates, Alice Walker, Bell Hooks, Mark Twain and others, we will angle in on the question of black identity from a variety of perspectives. Particular attention will be paid to the relationship between these articulations of “blackness” and the historical and political settings in which they arise. Informed class discussion will be emphasized. Students are expected to write a term paper and to present it to the class.
Prerequisite(s): HMXP 102, or AAMS 300, or permission of the instructor, or graduate status.
Notes: Cross-listed with AAMS 551. Offered variable times.

553. Feminist Theory (3).
This course is designed to acquaint students with the variety of ideas, methods and issues raised within contemporary feminist literature.
Prerequisite(s): PSYC 101.
Notes: Offered in fall and spring.

314. Theories of Personality (3).
Advanced integrative study of the most important theories of personality.
Prerequisite(s): PSYC 101.
Notes: Offered in fall and spring.

316. Industrial and Organizational Psychology (3).
Introduction to psychology in industry, business, and other large organizations.
Prerequisite(s): PSYC 101.
Notes: Offered in fall and spring.

320. Racial, Cultural and Ethnic Influences on Identity Development (3).
This course examines how race, ethnicity and culture influence the development of personal identity of self. Historical and contemporary models of ethnic, cultural and/or racial identity formation will be examined. Diversity in the developmental process and outcomes of identity formation for African Americans will be emphasized.
Prerequisite(s): PSYC 101 or AAMS 300 and WRIT 101.
Notes: Offered in fall.

335. Biological Psychology (3).
Study of how behavior contributes to and emerges from nervous system functioning.
Prerequisite(s): PSYC 101 or permission of instructor.
Notes: Offered in fall.

340 A, B, C. Cooperative Education Experience (1) (2) (3).
Provides on-the-job training in a professional field related to a student’s major or career interests.
Prerequisite(s): Overall GPA of 2.5 and minimum of 24 earned undergraduate semester hours. Placement objectives must be approved by Department Chair prior to enrollment.
Notes: For Psychology majors only. A maximum of 3 hours may be applied toward a degree in Psychology. A student may receive credit for either PSYC 461-462 or PSYC 340, but not both as credit for major. A grade of S or U is recorded. Offered in the fall, spring and summer.

400. History and Systems of Psychology (3).
Study of philosophical and scientific basis of modern psychology and the history of psychology as a modern scientific discipline.
Prerequisite(s): PSYC 101, 301 and 302, junior or senior status, or permission of instructor.
Notes: Offered in fall and spring.

409. Principles of Learning (3).
Review of the theoretical concepts and major variables relevant to animal and human motivation and conditioning.
Prerequisite(s): PSYC 301 or permission of chair, Department of Psychology.
Notes: Offered in fall and spring.

411. Advanced Child Development (3).
Study of current theory and research on the development of children from conception through middle childhood (12 years). Emphasis will be placed on describing normal development. Biological and contextual mechanisms that facilitate and hinder development in physical, neural, motor, cognitive, language, social-emotional and moral domains will be considered.
Prerequisite(s): PSYC 101, 206, 301, 302.
Notes: Offered variable times.

420. Special Topics in Psychology (1-3).
In-depth study of a special topic in psychology.
Prerequisite(s): PSYC 101 or permission of instructor.
Notes: Offered variable times. May be retaken for additional credit under different topics.

461, 462. Academic Internships in Psychology (1) (2).
Application of psychological principles in work settings. Course involves working in experiential settings in which psychological principles are applied and participating in a seminar.
Prerequisite(s): Open to majors only. Approval from Department of Psychology.
Notes: Offered in fall and spring.

463. Academic Internships in Psychology (3).
Application of psychological principles in work settings. Course involves working in experiential settings in which psychological principles are applied and participating in a seminar.
Prerequisite(s): PSYC 101, 301, 302, and junior or senior status as psychology major, or permission of instructor.
Notes: Offered in fall and spring.

471, 472. Undergraduate Research in Psychology (1) (2).
Participate as co-experimenter in on-going research programs or perform guided individual research.
Prerequisite(s): Prior approval by an assigned faculty member and the Department Chair and PSYC 101.
Notes: Offered in fall, spring and summer.

498. Senior Seminar in Psychology (3).
An advanced capstone seminar for psychology majors who have completed the majority of their degree requirements, emphasizing integration of knowledge gained in psychology, application of psychological principles to issues and problems, and exploration of postgraduate options for psychology majors.
Prerequisite(s): PSYC 101, 301, 302, and junior or senior standing as a psychology major.
Notes: Offered in fall and spring.

506. Psychological Measurements (3).
Study of the construction, evaluation and application of individual and group tests and the analysis and interpretation of their results.
Prerequisite(s): PSYC 101.
Notes: Offered in fall.

The human viewed as a system that processes information. Topics include sensory processes, memory, language and thinking.
**PSYCHOLOGY/QUANTITATIVE METHODS/READING**

Prerequisite(s): PSYC 301 or permission of chair, Department of Psychology.

Notes: Offered in fall, spring and summer.

**509. Principles of Learning: Conditioning (3).**
Review of the theoretical concepts and major variables relevant to animal and human motivation and conditioning.
Prerequisite(s): PSYC 301 or permission of chair, Department of Psychology.
Notes: Offered in fall and spring.

**510. Behavior Analysis and Behavior Change (3).**
Study of application of behavior management techniques in educational, clinical and domestic settings.
Prerequisite(s): PSYC 101, SPED 210, or permission of instructor.
Notes: Cross-listed with SPED 510. Offered in fall, spring and summer.

**512. The Exceptional Child (3).**
Study of individuals with special problems in cognitive, emotional or motor ability.
Prerequisite(s): PSYC 101.
Notes: Offered in fall.

**515. Health Psychology and Behavioral Medicine (3).**
Study of the biological, social and psychological factors that combine to influence human health and health practices. Models and methods of identification, prevention and treatment applicable to behavioral medicine will be reviewed.
Prerequisite(s): PSYC 101.
Notes: Offered in fall.

**520. Special Topics in Psychology (1-3).**
In-depth study of a special topic in modern psychology.
Prerequisite(s): PSYC 101 or permission of instructor.
Notes: Offered on demand. May be retaken for additional credit under different topics.

**Quantitative Methods (QMTH)**

**205. Applied Statistics I (3).**
Concepts of probability theory, sampling, descriptive statistics, and statistical estimation.
Prerequisite(s): MATH 101, 105, 150 or 151; CSCI 101; 101B; and two of 101A, C or P
Notes: Offered fall, spring and summer.

**206. Applied Statistics II (3).**
Concepts of hypothesis testing, regression and correlation analysis, Chi-Square analysis, quality control, and decision theory.
Prerequisite(s): QMTH 205.

**Reading (READ)**

**321. Elementary and Middle School Language Arts (3:3).**
Emphasis on the teaching of listening, speaking, and written expression.
Notes: Offered in fall and spring.

**322. Elementary and Middle School Language Arts: Laboratory (1:0:1).**
Requires students to review the literature on a selected educational topic and to write a formal paper on the selected topic. This course will satisfy Winthrop’s Writing Intensive Requirement for ECED, ELEM, and SPED majors. Others who have satisfied the requirements in other courses need not enroll.
Corequisite(s): READ 321.
Notes: Intensive Writing course. Offered in fall and spring.

**345. Content Area Literacy (2:2:0).**
The importance of literacy (listening, speaking, reading, writing, and viewing) is emphasized for the improvement of learning in content area subjects.
Prerequisite(s): Admission to teacher education.
Notes: Offered in spring.

**400. Independent Study in Teaching Reading (2).**
Requires referral from reading courses. For students requiring additional time and assistance to attain competency in the teaching of basic reading skills.
Notes: Not offered this academic year.

**461. Introduction to Teaching Reading in the Elementary School (3:1:0).**
This course provides basic understanding of: factors related to literacy; literacy competencies; procedures for developing literacy instruction; and assessment measures for literacy.
Prerequisite(s): Admission to teacher education.
Notes: ECED and ELEM majors must take READ 510 as a co-requisite. A grade of C or higher must be earned. Offered in fall, spring and summer.

All courses in the College of Education numbered above 499 have a prerequisite of junior status or permission of the dean of the College of Education.

**510. Literature for Children (3).**
An introduction to books, magazines and non-print adaptations (e.g., audio recordings, filmstrips, books on disk, and video recordings) of literature appropriate for children’s growth in literacy.
Prerequisite(s): READ 321/322 or equivalent.
Corequisite(s): READ 510 is a co-requisite for READ 461.
Notes: For ECED and ELEM majors. Offered in fall, spring and summer.

**541. Reading in the Secondary School (3).**
A study of the background information and skills needed by secondary teachers for guiding pupils’ growth in and through reading; identification of and planning for instruction needed.
Prerequisite(s): Admission to Teacher Education Program.
Notes: Not offered this academic year.

**550 thru 559. Problems in Teaching Reading (1, 2, 3).**
To assist school personnel in the identification, analysis, and planning of strategies to overcome specific problems in the teaching of reading.
561. Teaching Basic Reading Skills (3).
Introductory course in teaching reading.
Prerequisite(s): EDUC 381 or equivalent and Admission to Teacher Education Program.
Notes: Students may not receive credit for READ 561 and 461 or 562. Offered in summer.

562. Teaching Basic Reading Skills in Middle and Secondary School (3).
Persons teaching or preparing to teach in middle or secondary school examine basic reading skills in relation to the needs and characteristics of their pupils.
Prerequisite(s): EDUC 381 or equivalent and Admission to Teacher Education Program.
Notes: A student may not receive credit for READ 562 and 461 or 561. Offered on demand.

571. Diagnostic and Prescriptive Teaching of Reading (3).
Students develop skills for applying the principles learned in the basic reading course by providing instruction adjusted to the individual needs of one pupil.
Prerequisite(s): Grade of C or better in READ 461, 561 or 562 and Admission to Teacher Education Program.
Notes: Offered in fall, spring and summer. Work with pupils required.

Religion (RELG)

201. Introduction to Religious Studies (3).
Examination of the varying concepts of religion and the methods used in studying religious behavior and belief.
Notes: Offered variable times.

220. Reading Biblical Texts (3).
An introduction to the various methods and interpretive approaches used to read and appreciate the texts of Ancient Israel and early Christianity that have been canonized as the Bible.
Notes: Offered variable times.

300. World Religions (3).
Study of the major world religions including Hinduism, Buddhism, Chinese religion, Shinto, Judaism, Christianity and Islam.
Notes: Offered variable times.

310. Early Jewish and Christian Self-Definition (3).
A study of how early Jews and Christians constructed their identities with respect to their neighbors, from 200 BCE-200 CE. In addition to some biblical materials, the course will introduce a wide range of apocryphal and non-canonical Jewish and Christian literature of the period.
Prerequisite(s): RELG 313 and 314, or the permission of the instructor.
Notes: Offered variable times.

313. Introduction to the Hebrew Bible (Old Testament) (3).
Historical and literary study of the Hebrew Bible (Old Testament).
Notes: Offered variable times.

Historical and literary study of New Testament literature.
Notes: Offered variable times.

320. Religion in America (3).
A historical and social overview of the development of religion in the United States, including indigenous religions, Protestant and Roman Catholic Christianity, and Judaism. Attention may also be devoted to slave religion and the black church, religion and gender, revivalism and fundamentalism and new religious movements.
Notes: Offered variable times.

335. Buddhism (3).
This course provides a beginning overview of Buddhist traditions and a sense of their diversity over time and geography (i.e., their transmission in South and East Asia as well as in the West).
Prerequisite(s): RELG 201 or 300 or permission of instructor.
Notes: Cross-listed with INAS 425. Offered usually every other fall, alternating with Hinduism (RELG 340.)

340. Hinduism (3).
This course provides a beginning overview of Hindu traditions and a sense of Hinduism’s diversity over time and geography.
Prerequisite(s): RELG 201 or 300 or permission of instructor.
Notes: Cross-listed with INAS 425. Usually offered every other fall, alternating with Buddhism (RELG 335).

350. Special Topics in Religious Studies (3).
In-depth consideration of a specific topic of particular concern in religious studies. The course may be offered under various topics. It may be repeated for credit under different topics.
Prerequisite(s): RELG 201 or 300 or permission of instructor.
Notes: Offered variable times.

360. Psychology of Religion (3).
An analysis of religious experiences, beliefs, and values using various psychological theories.
Prerequisite(s): 3 hours in RELG or 3 hours in PSYC or consent of the instructor.
Notes: Offered variable times.

390. Philosophy of Religion (3).
An explication and analysis of the major philosophical issues involved in religious claims and commitments.
Prerequisite(s): 3 hours of Philosophy or consent of the instructor.
Notes: Cross-listed with PHIL 390. Offered variable times.

450. Honors: Selected Topics in Religion (3).
An independent inquiry, in-depth, into a selected topic in religion.
Prerequisite(s): Permission of the Chair.
Notes: Offered variable times.
495. Methods and Research Seminar in Religious Studies (3).
This course is an advanced research seminar for students who have already developed a solid background in the academic study of religion by having completed the core courses and 6 hours of electives in their major. The course emphasizes a detailed examination of selected topics and issues in religious studies. As a Writing Intensive course and a capstone seminar, it will include the assessment of core skills and knowledge from the major and will help students improve their writing skills as they develop their own more intense research projects in their own discipline.
Prerequisite(s): PHIL 201 or 301 or 302; RELG 201 and 300; and 6 additional hours in PHIL or RELG.
Notes: Intensive writing course. Offered in spring.

550. Special Topics in Religion (3).
An in-depth consideration of a specific topic of concern in religion. The course may be offered under various topics. It may be repeated for credit under different topics.
Prerequisite(s): Permission of the instructor.
Notes: Offered variable times.

Science (SCIE)

202. Introduction to DNA Science (3:2:3).
A lecture/laboratory course designed to provide nonscience majors with an understanding of what DNA is and how it controls our life and health, its importance in evolution and adaptation, and how recombinant DNA technology can be and is applied to medicine, agriculture, and industry.
Notes: Lab Fee: $40. Offered on demand.

Travel to distant areas where outstanding and unique examples of geological and biological features can be studied and the relationships between these disciplines can be examined.
Prerequisite(s): HMXP 102 and sophomore status.
Notes: Offered in summer.

Travel to tropical locations where lectures, seminars and field exercises will examine and contrast the varied marine, freshwater and terrestrial ecological habitats. Human intervention into these habitats and their alteration by human activity will be a major focus.
Prerequisite(s): Minimum sophomore status, HMXP 102 with C or better, Spanish helpful but not required.
Notes: Offered in summer.

224. Plant Anatomy and Illustration (4:2:2).
An introduction to plant anatomy, identification, ecology, and illustration. The development of observational skills in the field, and the subsequent production of black and white illustrations suitable for publication is emphasized.
Notes: Offered on demand.

301. Biology of Aging (3).
Study of the biological changes that accompany aging. The course examines the biological process of aging at a variety of levels ranging from molecular-cellular changes up to the physiology of whole organ systems.
Prerequisite(s): HMXP 102 and at least junior standing.
Notes: Cross-listed with GRNT 301. Offered in fall of even years and every summer.

391. Principles of Teaching Science (3).
Study and application of planning, instruction management, and assessment of students in science. Includes a review of the ethical and legal responsibilities of science teachers.
Prerequisite(s): Admission to Teacher Education Program.
Corequisite(s): SCIE 392, EDUC 390.
Notes: Offered in fall.

392. Field Experience in Teaching Science (1:0:8).
Students will spend a minimum of 8 hours per week in the classroom under the supervision of a science education professor and will work with a mentor teacher in preparation for the final internship experience.
Prerequisite(s): Admission to Teacher Education Program.
Corequisite(s): SCIE 391, EDUC 390.
Notes: A grade of S or U is recorded. Offered in fall.

520. Special Topics in Science (3).
Readings and discussion of scientific topics which cross disciplinary boundaries. Primarily for junior and seniors.
Prerequisite(s): A 3.0 GPA and/or permission of chair.
Notes: Offered on demand.

Secondary Education (SCED)

573. Career Education (3).
Provides background knowledge and skills in designing and implementing career and technology education programs including shadowing, service learning, mentoring, internships, co-ops, and apprenticeships. Career planning, job search, and presentation skills are developed.
Notes: Intensive Oral Communication course. Offered in fall.

Social Studies Education (SCST)

391. Principles of Teaching Social Studies (3).
Study and application of skills of planning, instruction, management and assessment of students in Social Studies. Includes a review of the ethical and legal responsibilities of Social Studies teachers.
Prerequisite(s): Admission to Teacher Education Program.
Corequisite(s): SCST 392, EDUC 390.
Notes: Offered in fall.

392. Field Experience in Teaching Social Studies (1:0:8).
Students will spend a minimum of 8 hours per week in the classroom under the supervision of a social studies
education professor and will work with a mentor teacher in preparation for the final internship experience.

Prerequisite(s): Admission to Teacher Education Program.
Corequisite(s): SCST 391, EDUC 390.
Notes: A grade of S or U is recorded. Offered in fall.

Social Work (SCWK)

200. Introduction to Social Work (3).
Introductory study designed to provide students an overall picture of the nature, philosophy, and goals of professional social work practice.
Prerequisite(s): CSCI 101 and CSCI 101A, B & C or equivalent.
Corequisite(s): SCWK 201.
Notes: Offered in fall and spring.

201. Introduction to Social Work: IT Lab (1:0:1).
Lab includes review of information technology (IT) knowledge and skills expected of social workers and in the social work major. Competencies are developed using computers in areas such as information search and web based instructional technologies. Major present and developing IT issues in society that impact social work practice are explored.
Prerequisite(s): CSCI 101 and CSCI 101A, B & C or equivalent.
Corequisite(s): SCWK 200.
Notes: Offered in fall and spring.

202. Special Directed Volunteer Experience (3).
Special agency placement course. Weekly journal.
Notes: A grade of S or U is recorded. May not be counted as a SCWK elective toward a BSW degree in Social Work. Offered in fall, spring and summer.

305. Human Behavior in the Social Environment (3).
Study of a social systems approach to understanding human behavior and development throughout the lifespan using a biophysical, psychological and social multidimensional framework for assessing social functioning.
Prerequisite(s): PSYC 101, SCWK 200, 201, ANTH 201, SOCL 201, and SCIE 301 (may be taken concurrently) or permission of the instructor.
Notes: Offered fall and spring.

306. Working with Multi-Cultural Client Systems (3).
Using a strengths perspective the focus is on issues of diversity, oppression and empowerment in a range of client systems within the context of race, culture, class, gender, sexual preference, age and difference.
Prerequisite(s): SCWK 305 (May be taken concurrently) or permission of the instructor.
Notes: Offered fall and spring.

An investigation of attitudes, policies and practices found in society which relate to the well-being of individuals and of society.
Prerequisite(s): ECON 103, PLSC 201, and SCWK 200 (May be taken concurrently).
Notes: Offered in fall and spring.

Study of research concepts, designs, methodology and stages of the research process. Emphasis on acquisition of knowledge and development of skills to evaluate professional literature and generalist social work practice.
Prerequisite(s): SCWK 200 (May be taken concurrently), MATH 141 or SOCL 316 or QMTH 205.
Notes: Intensive Writing course. Offered in fall and spring.

340. A, B, C. Cooperative Education Experience (1) (2) (3).
Provides on-the-job training in a professional field related to a student’s major or career interests.
Prerequisite(s): Overall GPA 2.5 and minimum of 24 earned undergraduate semester hours. Placement objectives must be approved by Department Chair prior to enrollment.
Notes: For Social Work majors only. Courses may be repeated for credit; a maximum of 3 hours may be applied toward a degree in Social Work. A grade of S or U is recorded. Offered in fall and spring.

Basic concepts, values and skills of generalist social work practice that emphasizes the problem solving model and case management method in working with individuals and families.
Prerequisite(s): SCWK 200, 305, 306 (may be taken concurrently), 321 (may be taken concurrently), 330 (may be taken concurrently). Social Work majors only.
Notes: Offered in fall and spring.

432. Social Work Intervention II (3).
The study and application of social work group theory as it applies to agency and community task groups, client intervention groups and families. Role play, simulations and the use of video recordings will be used in the course.
Prerequisite(s): SCWK 395. Social Work majors only.
Notes: Offered fall and spring.

433. Social Work Intervention III (3).
Detailed study of the application of theoretical and practice models for generalist social work practice with emphasis on organizations and communities.
Prerequisite(s): SCWK 395, 432. (May be taken concurrently.) Social Work majors only.
Notes: Offered in fall and spring.

Interpersonal helping skills lab with emphasis on the development and practice of communication, interviewing and recording skills.
Prerequisite(s): SCWK 395, 432 (may be taken concurrently), 433 (may be taken concurrently). Social Work majors only.
Notes: Offered in fall and spring.
SOCIAL WORK/SOCIOLOGY

443. Social Work Field Instruction (12:0:12).
Minimum of 520 hours of placement in a human services agency working under social work supervision. Provides opportunity to develop competence as a social work generalist practitioner.
Prerequisite(s): SCWK 395, 432, 433, 434, Social Work majors only.
Corequisite(s): SCWK 463.
Notes: Lab Fee: $85. A grade of S or U is recorded. Offered in fall and spring.

450. Honors: Selected Topics in Social Work (3).
An independent inquiry, in-depth, into a selected topic in Social Work.
Prerequisite(s): Permission of the Chair.
Notes: Offered in fall, spring and summer.

463. Social Work Field Seminar (2).
A seminar class of discussion, presentations and role playing to accompany field instruction and help integrate the professional identity.
Prerequisite(s): SCWK 395, 432, 433, 434, Social Work majors only.
Corequisite(s): SCWK 443.
Notes: Offered in fall and spring.

521. Older Adults: Policies & Services (3).
This course provides a review of the development of social welfare policy and services affecting older adults in the United States in order to provide a context for practice. Some of the current programs will be described along with populations being served.
Prerequisite(s): If undergraduate, SCWK 395 (may be taken concurrently), or permission of instructor; if graduate, social work graduate students only.
Notes: Offered variable times.

522. Health/Mental Health: Policies & Services (3).
This course provides a review of the development of health care and mental health policy in the United States in order to provide a context for practice. Some of the current programs will be described along with populations being served.
Prerequisite(s): If undergraduate, SCWK 395 (may be taken concurrently), or permission of instructor; if graduate, social work graduate students only.
Notes: Offered in spring and summer.

This course provides an overview of the history of child welfare policies and services in the United States, a critical assessment of how values influence the development of policies and the provision of services to children, and provides a framework for evaluating child welfare policies and practices within the NASW Code of Ethics framework.
Prerequisite(s): If undergraduate, SCWK 395 (may be taken concurrently), or permission of instructor; if graduate, social work graduate students only.
Notes: Offered in spring and summer.

531. Older Adults: Practice & Trends (3).
This course provides a review of the development of older adult practice and trends in the United States in order to provide a context for practice. Some of the current programs will be described along with populations being served.
Prerequisite(s): If undergraduate, SCWK 395 (may be taken concurrently), or permission of instructor; if graduate, social work graduate students only.
Notes: Offered variable times.

532. Health/Mental Health: Practice & Trends (3).
This course will focus on issues of health and mental health from an ecological perspective with a focus on addiction. It will encompass organizing factors: childhood development and resulting adaptive behavior and pathology in adulthood. The main purpose of this course is to help students develop an understanding of the dynamics of addiction and the impact that it has on health and mental health of the individual and their family members.
Prerequisite(s): SCWK 395 (may be taken concurrently) or permission of instructor.
Notes: Offered in fall.

533. Families & Children: Practice & Trends (3).
This course builds on the foundation content of the program and provides an overview of current social work practice research and practice trends in child welfare. A framework for evaluating child welfare practices within the NASW Code of Ethics will be used to identify child welfare practices that are likely to produce practice outcomes that are socially just and effective.
Prerequisite(s): If undergraduate, SCWK 395 (may be taken concurrently), or permission of instructor; if graduate, social work graduate students only.
Notes: Offered in fall.

541. Substance Abuse Interventions (3).
This course will focus on issues of addiction from an ecological perspective. Students will study the various theories of addiction and the implications of those theories for both individual and family impact as well as for social work intervention. Strong emphasis will be placed on the interaction of cultural, environmental, interpersonal and intra-personal factors on the causes and social work intervention of addiction for individuals and within a family context.
Prerequisite(s): Junior or higher status.
Notes: Offered variable times.

550. Special Topics in Social Work (3).
Special topics of timely interest will be given on a one-time basis.
Notes: Offered in fall, spring and summer. May be repeated for credit under different topic.

Sociology (SOCL)

Analysis of the types, extent, and causes of social problems; policies and programs directed toward their resolution.
Notes: Offered in fall and spring.
201. Principles of Sociology (3).
Introduction to the perspectives, approaches and basic concepts used in the sociological study of human social behavior.
Notes: Offered in fall and spring.

227. Introduction to Criminal Justice Systems (3).
Introduction to the development and current organization and operation of the responses of police, courts, and correctional agencies to criminal and juvenile offenders.
Notes: Offered in fall and spring.

301. Comparative Study of Social Institutions (3).
Examination of basic social institutions of modern and developing societies in the world system of nations.
Prerequisite(s): SOCL 101 or 201 or permission of the instructor.
Notes: Offered variable times.

302. Social Theory (3).
Survey of the masters of sociological/anthropological thought with emphasis upon contributions to contemporary theory.
Prerequisite(s): SOCL 101 or 201 or ANTH 201 with C or better.
Notes: Offered in fall and spring. Intensive Writing Course. Open only to Sociology Majors/Minors and Anthropology Minors. Cross-listed with ANTH 302.

303. Socialization: Self and Society (3).
Study of the social interaction processes through which individuals learn how to perform socially expected roles.
Prerequisite(s): SOCL 101 or 201 or permission of instructor.
Notes: Offered variable times.

304. Death and Grief as Social Processes (3).
Analysis of these experiences as related to society’s network of cultural values and organizational structures.
Prerequisite(s): SOCL 101 or 201 or permission of instructor.
Notes: Cross-listed with GRNT 304. Offered variable times.

305. Marriage and the Family (3).
Study of mate selection and marital adjustment; also child-rearing, divorce and change in family structure.
Prerequisite(s): SOCL 101 or 201 or permission of instructor.
Notes: Offered variable times.

309. Urban Sociology (3).
Study of the physical and social structures of cities and urban areas, with special attention to urban problems.
Prerequisite(s): SOCL 101 or 201 or permission of the instructor.
Notes: Offered variable times.

310. Sociology of the Environment (3).
The course examines the effects of human populations and activities on the natural environment. Topics include environmental controversies; population, economic and political issues; the environmental movement; and prospects for “sustainable development.”
Prerequisite(s): SOCL 101 or 201 or permission of instructor.
Notes: Offered in spring.

313. Social Inequality (3).
Study of structured inequality in societies, especially the U.S., and its effect on opportunities, style-of-life, and interaction.
Prerequisite(s): SOCL 101 or 201 or permission of the instructor.
Notes: Offered variable times.

314. Race and Ethnic Relations (3).
Review of sociological concepts, theories, and evidence pertaining to race and ethnicity in crosscultural, historical, and modern settings.
Prerequisite(s): SOCL 101 or 201 or permission of instructor.
Notes: Cross-listed with AAMS 314. Offered in fall and spring.

316. Social Research I: Statistics (4:3:3).
Study of descriptive and inferential statistics as they apply to the social sciences, with computer applications.
Prerequisite(s): SOCL 101 or 201 and General Education math requirement with grade of C or higher or permission of instructor.
Notes: Lab Fee: $25. Open only to sociology majors or by permission from the department. Offered in fall and spring.

319. The Study of Population (3).
Childbearing, death, and migration as processes affecting the growth, composition and distribution of human populations.
Prerequisite(s): SOCL 101 or 201 or permission of instructor.
Notes: Offered variable times.

320. Sociology of Contemporary Africa (3).
A study of society and culture in Africa today with a focus on economic and political issues; social institutions such as the family and religion; and social issues such as AIDS, gender, and the environment.
Prerequisite(s): SOCL 101 or 201 or ANTH 201 or permission of instructor.
Notes: Offered variable times.

325. Criminology (3).
Critical analysis of the extent, patterns, and causes of major types of crime and delinquency.
Prerequisite(s): SOCL 101 or 201 or permission of instructor.
Notes: Offered in fall and spring.

328. Sociology of Religion (3).
Scientific study of the relationship between religion and the social order. Topics include (1) church, sect, and cult development, (2) the relationship of religion to other institutions and to social change, and (3) social aspects of individual religiosity.
330. Sociology of Deviant Behavior (3).
This course will analyze rule-making and rule-breaking processes within societies. Attention given to deviant identities, subcultures, rule types, stigmatizing rituals, and normalizing deviants, once they are labeled.
Prerequisite(s): SOCL 101 or 201.
Notes: Offered variable times.

332. Sociology of Conflict and Conflict Resolution (3).
Study of different conflict types, theories of conflict causation, and the methods used by third parties and organizations to intervene, de-escalate, and resolve conflict.
Prerequisite(s): SOCL 101 or 201 or permission of the instructor.
Notes: Offered variable times.

335. Law Enforcement and Social Control (3).
Analysis of the development of policing and organization and operation of police agencies and how they function in roles as law enforcers, peace keepers, and service agents in modern society.
Prerequisite(s): SOCL 101 or 201, and 227.
Notes: Offered in spring.

337. Corrections (3).
Analysis of society’s responses in correctional systems to convicted lawbreakers. Attention to development of punishments and penal institutions and organization and operation of current programs from imprisonment to community-based corrections.
Prerequisite(s): SOCL 101 or 201 and 227.
Notes: Offered in fall.

340 A, B, C. Cooperative Education Experience (1) (2) (3).
Provides on-the-job training in a professional field related to a student’s major or career interests.
Prerequisite(s): Overall GPA of 2.5 and a minimum of 24 earned undergraduate semester hours. Placement objectives must be approved by Department Chair prior to enrollment.
Notes: For Sociology majors only. Courses may be repeated for credit; however, a maximum of 3 hours may be applied toward a degree in Sociology. A grade of S or U is recorded. Offered variable times.

350. Special Topics in Sociology (3).
In-depth consideration of a specific topic of particular concern in sociology. Course will be offered under various topics.
Notes: It may be repeated for credit under different topics. Offered variable times.

401. Independent Study in Sociology (3).
This course is designed to allow students to study a topic of sociology in greater depth than allowed in the traditional classroom. Students will construct a formal syllabus with the supervising instructor. The syllabus must be approved by the Department Chair of Sociology and Anthropology prior to enrollment.
Prerequisite(s): SOCL 101 or 201. Permission of Instructor and Chair of Sociology and Anthropology is required.
Notes: Offered in fall, spring, summer.

450. Honors: Selected Topics in Sociology (3).
Individual study centered around a special sociological project.
Prerequisite(s): Permission of the Chairperson.
Notes: Offered variable times.

463. Academic Internship in Sociology (1).
Application of sociology/criminology principles in a work setting.
Prerequisite(s): For sociology majors and sociology minors; prior approval of intern contract by the Department Chair of Sociology and Anthropology required. Overall GPA of 2.3 and a minimum of 9 earned undergraduate semester hours in sociology.
Notes: A sociology minor may receive credit for either SOCL 463-464 or SOCL 340, but not both towards the sociology minor. Sociology majors are limited to a total of three hours in ANTH 463-464, ANTH 340, SOCL463-462 or SOCL 340. A grade of S or U is recorded. Offered in fall, spring and summer.

464. Academic Internship in Sociology (2).
Application of sociology/criminology principles in a work setting.
Prerequisite(s): For sociology majors and sociology minors; prior approval of intern contract by the Department Chair of Sociology and Anthropology required. Overall GPA of 2.3 and a minimum of 9 earned undergraduate semester hours in sociology.
Notes: A sociology minor may receive credit for either SOCL 463-464 or SOCL 340, but not both towards the sociology minor. Sociology majors are limited to a total of three hours in ANTH 463-464, ANTH 340, SOCL463-462 or SOCL 340. A grade of S or U is recorded. Offered in fall, spring and summer.

471. Undergraduate Research in Sociology (1).
Participate as co-experimenter in on-going research programs or perform guided individual research (i.e., continue SOCL516, SOCL302 projects) towards presentation/publication.
Prerequisite(s): Prior approval by an assigned faculty member and Department Chair of Sociology and Anthropology.
Notes: A grade of S or U is recorded. Offered fall, spring, summer.

472. Undergraduate Research in Sociology (2).
Participate as co-experimenter in on-going research programs or perform guided individual research (i.e., continue SOCL516, SOCL302 projects) towards presentation/publication.
Prerequisite(s): Prior approval by an assigned faculty member and Department Chair of Anthropology and Sociology.
Notes: A grade of S or U is recorded. Offered fall, spring and summer.
503A, B. Service-Learning in Sociology (1, 3).
A themed service-learning course that will address a current social issue in society. The course will include both significant classroom and placement components. Prerequisite(s): SOCL 101 or 201. Permission of Instructor and Chair of Sociology and Anthropology is required.

504. The Sociology of Aging (3).
Analysis of the major social forces which affect aging and the ways modern society responds in planning for its elderly.
Notes: Cross-listed as GRNT 504. Offered in spring.

506. Sociology of Competitive Sport (3).
Emphasis on the functions of sport for individuals and on sport as a social institution.
Notes: Offered variable times.

507A, B. Service-Learning in Criminology (1)(3).
A themed service-learning course that will address an element of the criminal justice system. The course will include both significant classroom and placement components. Prerequisite(s): SOCL 101 or 201. Permission of Instructor and Chair of Sociology and Anthropology is required.

515. Social Change (3).
Classical and modern approaches to social change and consideration of long and short-term social trends. Prerequisite(s): SOCL 101 or 201 or permission of instructor. Notes: Offered variable times.

516. Social Research II: Methods (4:3:3).
Study of social research methods, with an emphasis on survey research and analyses of quantitative data, and experience carrying out a research project. Prerequisite(s): A C or better in SOCL 316 or permission of instructor. Notes: Lab Fee: $25. Offered in fall and spring.

518. Social Organization (3).
Study of the small group and its influence on the individual, the large organization and society-at-large. Prerequisite(s): SOCL 101 or 201 or permission of instructor. Notes: Offered variable times.

520. Sociology of Health and Illness (3).
Social etiology and ecology of disease, sociological factors affecting treatment and rehabilitation and the organization of medical care. Notes: Offered variable times.

522. Sociology of Education (3).
Examination of American educational institutions with emphasis upon sociological and social psychological links to other social institutions and the wider society. Notes: Offered variable times.

525. Sociology of Law (3).
This course will focus on selected legal rules, principles, an institutions treated from a sociology perspective. This course will examine the major theoretical perspectives on law and society, legal reasoning, morality and law as well as substantive issues relating to the legal process. Prerequisite(s): SOCL 101 or 201 and 325. Notes: Offered variable times.

550 thru 559. Special Topics in Sociology (3).
Notes: Offered variable times.

598. Senior Seminar in Sociology (1).
Issues, trends, and research in contemporary sociology. Prerequisite(s): Completion of 21 semester hours in SOCL. Undergraduate Sociology Majors. Notes: Offered in fall and spring.

Spanish (SPAN)
Native speakers of a foreign language will not receive CLEP credit for the 101, 102, 201, or 202 courses in their native language, nor will they be permitted to enroll in 101, 102, 201, or 202 courses in that language. Students who are fluent in a language other than their native language or English may receive CLEP credit in that language, but may not enroll in 101, 102, 201, or 202 courses in the second language in which they are fluent.

Students may receive credit for SPAN 101 by completing SPAN 102 with a grade of B or higher. Credit for SPAN 101 and/or 102 may be earned by completing SPAN 201 with a grade of B or higher. Credit will not be given for courses for which university credit has been awarded previously. No grade is assigned to this credit. A grade is received only for the course taken at Winthrop. For further information, contact the Chair of the Department of Modern Languages.

From time to time an additional course dealing with a special topic in Spanish may be offered if sufficient student interest is indicated and a faculty member is available to teach the course. Consult the department chairperson about such a course.

101. Elementary Spanish (4:3:1).
This is an introductory course intended for students who have not studied Spanish previously. This course emphasizes the development of listening, speaking, reading and writing skills. Prerequisite(s): None. Students with previous study of Spanish should take the departmental placement test before enrolling in this course. Notes: Lab Fee: $25. Offered in fall, spring and summer.

102. Elementary Spanish (4:3:1).
This course builds on Spanish 101. There is continued emphasis on the development of listening, speaking, reading and writing skills. Prerequisite(s): Completion of Spanish 101 or equivalent with a grade of C (or S), a satisfactory score on the departmental placement test, or permission of the department chair.
201. Intermediate Spanish (3:2:1).
This course continues to stress development of listening, speaking, reading and writing skills. Special attention is paid to more complex grammatical items such as the subjunctive, contrary-to-fact statements, and relative clauses.
Prerequisite(s): Completion of SPAN 102 with a grade of C (or S), a satisfactory score on the departmental placement test, or permission of the department chair.
Notes: Lab Fee: $20. Offered in fall and spring.

This course emphasizes the continuing development of listening and speaking skills.
Prerequisite(s): Completion of SPAN 201 with a grade of C (or S), or permission of the department chair.
Notes: Lab Fee: $20. Offered in fall and spring.

206. Spanish for Business (3).
This course concentrates on the development of language skills needed to conduct simple business transactions in Spanish-speaking countries.
Prerequisite(s): SPAN 201 or permission of the instructor.
Notes: Offered periodically.

210. Special Topics in Language and Culture (1-3).
Topics may focus on a literary period or author, language for specialized purposes (health professionals, social service agencies, etc.), history or culture.
Prerequisite(s): Completion of SPAN 201 with a grade of C or S.
Notes: Offered variable times. May be taken for credit three times under different topics with permission of Department Chair.

225. Spanish Composition (3:2:1).
Development of fundamental writing skills in Spanish. The composition structures to be discussed include description, narration, and analytical/argumentative exposition.
Prerequisite(s): SPAN 201 and 202.
Notes: Lab Fee: $20. Offered variable times.

250. Introduction to Reading Hispanic Literary Texts (3).
This course introduces students to literary diverse genres and periods by Spanish and Latin American authors. Special attention is given to problems of reading. The course also emphasizes building vocabulary necessary to read and discuss literary texts in Spanish.
Prerequisite(s): SPAN 201, 202, and 225.
Notes: Offered in fall and spring.

280. The Spanish Film (3).
Introduction to significant examples of foreign language cinema as an art form and as embodiments of the culture of Spanish speaking countries.
Prerequisite(s): 6 hours of intermediate Spanish.
Notes: Lab Fee: $20. Offered variable times.

301. Hispanic Civilization and Culture (3).
Emphasis on Latin America.
Prerequisite(s): SPAN 201, 202, 225, and 250.
Notes: Offered in spring.

302. Hispanic Civilization and Culture (3).
Emphasis on Spain.
Prerequisite(s): SPAN 201, 202, 225, and 250.
Notes: Lab Fee: $20. Offered in fall.

310. Advanced Grammar and Composition (4).
Prerequisite(s): 6 hours of 200-level SPAN.
Notes: Offered in fall.

313. Advanced Spanish Conversation (3).
This course includes in-depth use of language and requires use of internet and advanced readings.
Prerequisite(s): SPAN 201, 202, 225 and 250.
Notes: Lab Fee: $10. Offered in spring.

340 A, B, C. Cooperative Education Experience (1) (2) (3).
Provides on-the-job training in a professional field related to a student’s major or career interests.
Prerequisite(s): Overall GPA 2.5 and minimum of 24 earned undergraduate semester hours. Placement objectives must be approved by Department Chair prior to enrollment.
Notes: For Spanish majors only. Courses may be repeated for credit; however, a maximum of 3 hours may be applied toward a degree in Modern Languages (Spanish). A grade of S or U is recorded. Offered fall, spring and summer.

350. Service Learning (3).
This course provides students an opportunity to work in area schools with Hispanic children and to receive Spanish-language training on the Winthrop campus.
Prerequisite(s): Completion of one Spanish course at the 300-level with a grade of C or higher or permission of the instructor.
Notes: Offered in spring.

351. Phonetics (3).
The study of Spanish phonetics, dialectology and correct pronunciation.
Prerequisite(s): 6 hours of 200-level SPAN.
Notes: Lab Fee: $20. Offered variable times.

401. Survey of Hispanic Literature (4).
A survey of the literature of the Spanish-speaking world.
Prerequisite(s): SPAN 250 and 310.
Notes: Offered in fall of even years.

402. Survey of Spanish Peninsular Literature (3).
A survey of the literature of Spain from the Middle Ages to the present.
Prerequisite(s): SPAN 250 and 310.
Notes: Offered in spring of odd years.

499. Competency Exam (0).
Notes: A grade of S or U is recorded. Students must enroll for this exam after completion of 18 hours above 102, no later than the second semester of the junior year and before enrollment in any 500-level course. Offered in fall and spring.
Prerequisite for all 500-level Spanish courses: Completion of 18 semester hours of Spanish or equivalent or permission of the Chair, Department of Modern Languages.

504. Cervantes (3).
This course will be a study of the life of Miguel de Cervantes and his masterpiece, Don Quijote de la Mancha.
Prerequisite(s): SPAN 401 and 402 or permission of the instructor; SPAN 302 is strongly recommended.
Notes: Offered variable times.

506. Spanish-American Literature to Modernism (3).
Representative readings of major literary figures of Spanish America from the Discovery (1492) until 1900. Representative authors include Ercilla, Sor Juana, Garcilaso, Olmedo, Bello, Sarmiento, Hernandez, Palma, Marti, Dario and Rodo.
Prerequisite(s): SPAN 401 or permission of the instructor; SPAN 301 strongly recommended.
Notes: Offered variable times.

507. Modern Spanish-American Literature (3).
A survey of modern and contemporary Spanish-American literature from 1900 to the present.
Prerequisite(s): SPAN 401 or permission of the instructor; SPAN 301 strongly recommended.
Notes: Offered variable times.

510. Topics in Language and Literature (3).
The focus of the course will vary, depending on student interest and faculty expertise.
Notes: May be retaken for additional credit with permission of department chair. Offered in fall, spring and summer.

521. Modern Drama (3).
A panoramic survey of the drama since Romanticism to the contemporary scene.
Prerequisite(s): 18 hours of Spanish or equivalent or permission of instructor.
Notes: Offered variable times.

560. Advanced Conversation (3).
This course is designed to increase the students’ competencies in two language skills: comprehension and speaking.
Prerequisite(s): SPAN 313 or permission of instructor.
Notes: Offered variable times.

575. Spanish Literature in Translation (3).
Readings and discussions of major works of Spanish literature in English translation. A knowledge of Spanish is not required. Course content can vary depending on the instructor.
Prerequisite(s): Open to advanced undergraduates and graduate students. Undergraduate Spanish majors cannot count SPAN 575 toward the major requirements for the BA degree in Modern Languages (Spanish).
Notes: Offered variable times.

593. Advanced Oral and Written Communication (3).
For students already able to understand, speak and write Spanish who wish to improve these skills while moving toward more natural expression in modern Spanish.
Notes: Offered variable times.

595. The Short Story (3).
Readings of the Spanish-American writers of the short narrative beginning with the early 19th-century’s Esteban Echeverria and ending with today’s short story masters.
Prerequisite(s): 18 semester hours of Spanish or permission of Department Chair.
Notes: Offered variable times.

Special Education (SPED)

281. Introduction to Special Education (3).
Designed to introduce the student to the major areas of exceptionality.
Notes: SPED majors must complete course with grade of C or better. Offered in fall and spring.

292. Laboratory Experience with Exceptional Children (3:1:2).
Designed to provide direct teaching experiences with disabled students under the supervision of a university instructor.
Notes: SPED majors must complete course with a grade of C or better. Offered in fall and spring.

293. Laboratory Experiences with Learners with Autism Spectrum Disorders (3:1:2).
This course is designed to provide teacher candidates enrolled in Mental Disabilities (MD) and Severe Disabilities (SD) certification programs with direct teaching experiences implementing applied behavioral analysis (ABA) procedures with students with Autism Spectrum Disorders in home and school settings.
Prerequisite(s): SPED 281 with a grade of C or higher.
Notes: Offered in spring. Course cannot be taken S/U. Special Education majors in the MD/SD program must complete this course with a grade of C or higher.

391. Assessment (3).
This course is designed to teach students how to link formative and summative assessment with instruction. It is to be taken concurrently with EDUC390 and with SPED 392.
Prerequisite(s): SPED 281 and admission to Teacher Education Program.
Notes: Offered in fall. Students must attain a grade of C or higher in this course. Course may not be taken on a S/U basis.

392. Principles of Teaching Exceptional Children (1:0:1).
Provides field experience for linking formative and summative assessment to instruction. Course is taken as corequisite with EDUC 390 and SPED 391.
Prerequisite(s): SPED 281 and admission to Teacher Education Program.
Notes: A grade of S or U is recorded. Offered in fall.
492. Internship on Interdisciplinary Team (3).
Prerequisite(s): PSYC 305, SPED 392, 471, READ 461 and permission of the instructor.
Notes: A grade of S or U is recorded. Not offered this academic year.

All courses in the College of Education numbered above 499 have a prerequisite of junior status or permission of the dean of the College of Education.

510. Behavior Analysis and Behavior Change (3).
Study of application of behavior management techniques in educational, clinical and domestic settings.
Prerequisite(s): PSYC 101 or graduate status.
Notes: Cross-listed with PSYC 510. Offered in spring and summer.

515. Consultation and Collaboration in Special and General Education (3).
This course focuses on effective collaboration and consultation skills required to enable candidates to address the diverse needs of individuals with disabilities across settings.

555. Career and Vocational Education for the Exceptional Learner (3).
Designed to provide teachers with background knowledge and skills in designing and implementing a comprehensive career and vocational education program.
Prerequisite(s): Admission to Teacher Education Program.
Notes: Not offered this academic year.

An overview of the learning, behavioral and neurological characteristics of children with specific learning disabilities, including terminology and educational implications.
Prerequisite(s): SPED 281, Admission to Teacher Education Program or graduate status.
Notes: Offered in fall and spring.

562. Educational Procedures for Learning Disabilities (3).
An in-depth study of remedial techniques, methods and materials for remediation of learning disabilities including non-verbal disorders and disorders of auditory language, arithmetic, reading, and spelling.
Prerequisite(s): SPED 561 or permission of instructor and Admission to Teacher Education Program.
Notes: Offered in summer.

575. Educational Procedures for Students with Mental Disabilities (3).
The course is designed for in-depth study of students with severe disabilities and appropriate curriculum goals, methods, materials, and research.
Prerequisite(s): SPED 582 with a grade of C or higher; or graduate status.
Notes: Special education majors must attain a grade of C or higher in this course. Course cannot be taken on S/U basis. Offered in fall.

582. Intellectual Disabilities: Characteristics and Needs (3).
An in-depth study of the characteristics of individuals with intellectual disabilities, including but not limited to etiology, learning and behavioral characteristics, and contemporary services and instructional models in educational and community settings.
Prerequisite(s): SPED 281, Admission to Teacher Education Program or graduate status.
Notes: Special Education majors must complete this course with a grade of C or better. Course cannot be taken S/U. Offered in spring.

583. Children with Behavioral and Emotional Problems (3).
Course considers child development, personality structure, and dynamics emphasizing an understanding of adjustment patterns and coping strategies for children with behavioral and emotional problems in the classroom and community.
Prerequisite(s): SPED 281, Admission to Teacher Education Program or graduate status.
Notes: Offered in spring. Special Education majors must complete this course with a grade of C or better. Course cannot be taken S/U.

585. Introductory Academic and Behavioral Methods ED, LD, MD and SD (3).
Prepares special education majors to provide leadership in maximizing learning experiences of students with disabilities through effective teaching, curriculum planning, modification, and adaptations of teaching materials and use of technology.
Prerequisite(s): SPED 561, 582 and 583 with a grade of C or better in each. Admission to Teacher Education; or Graduate Status.
Notes: SPED majors must earn a grade of C or higher and course cannot be taken on a S/U basis. Offered in spring.

This course provides teacher candidates seeking certification in Learning Disabilities and/or Emotional Disabilities with evidence-based strategies to improve behavioral and academic performance of P-12 students with disabilities. Topics will include strategies for working effectively with disruptive and aggressive students, for effective collaboration with general education in inclusive settings, transition planning and non-violent crisis intervention.
Prerequisite(s): SPED 585 with a grade of C or higher or graduate status.
Corequisite(s): Undergraduates: EDUC 390, SPED 391 and 392.
Notes: SPED majors must earn a grade of C or higher. This course cannot be taken S/U. Offered in fall.
Speech (SPCH)

201. Public Speaking (3).
An introduction to principles and procedures of speech communication with emphasis on speech preparation, delivery, and evaluation.
Notes: Lab Fee: $5. Intensive Oral Communication course. Offered in fall, spring and summer.

203. Voice and Diction (3).
Introduction to the speech and hearing process with emphasis on production, phonetics, and voice improvement.
Notes: Lab Fee: $5. Intensive Oral Communication course. Offered in fall, spring and summer.

325. Nonverbal Communication (3).
History, theory, and basic principles of nonverbal communication, with study of spatial and social dimensions, and body languages. Emphasis is on effective application in personal, business, and social contexts.
Notes: Offered variable times.

340 A, B, C. Cooperative Education Experience (1) (2) (3).
Provides on-the-job training in a professional field related to a student’s major or career interests. Prerequisite(s): Overall GPA 2.5 and minimum of 24 earned undergraduate semester hours. Placement objectives must be approved by Department Chair prior to enrollment. Notes: For Speech majors only. Courses may be repeated for credit; a maximum of 3 hours may be applied toward a degree in Speech. A grade of S or U is recorded. Offered in fall, spring and summer.

351. Introduction to Communication Disorders (3).
An overview of the profession of speech pathology. Includes an introduction to the identification, diagnosis, and intervention of communication disorders including articulation, language, voice, fluency, and hearing. Notes: Offered in fall and spring.

352. Introduction to Phonetics (3).

355. Anatomy and Physiology of the Speech and Hearing Mechanisms (3).
Study of the anatomical, physiological and neurological aspects of the speech and hearing mechanisms and their relations to problems of speech and hearing. Prerequisite(s): SPCH 351. Notes: Offered in fall.

360. Articulation and Phonological Disorders (3).
Study of theory, research, and therapeutic techniques for articulation and phonological disorders. Prerequisite(s): SPCH 351, 352 and 355. Notes: Offered in fall.

410. Introduction to Audiology (3).
A study of the fundamentals of hearing science. Includes anatomy and physiology of hearing, physics of sound, and administration and interpretation of hearing tests. Notes: Offered in spring.

425. Stuttering (3).
Theories, diagnostic procedures and therapy techniques in the treatment of disfluent speech. Notes: Offered in spring.

458. Language: Perspectives in Acquisition and Development (3).
Language acquisition and development through the lifespan. Study of biological bases, major developmental theories, structure and semantic aspects, and societal variations in content, form and use. Prerequisite(s): SPCH 355. Notes: Offered in fall.

460. Principles of Speech Pathology (3).
A study of the etiologies, diagnostic procedures, and the therapeutic techniques for the organic disorders of speech, including cleft palate, cerebral palsy, aphasia, and voice. Prerequisite(s): SPCH 352 and 355. Notes: Offered in spring.

465. Language Disorders (3).
Study of theory, research, and therapeutic techniques for language disorders. Prerequisite(s): SPCH 351, 352, 458. Notes: Offered in spring.

469. Adult Aphasia and Related Language Disorders (3).
Study of the causes of adult aphasia including syndromes and the evaluation process. Factors in recovery and prognosis will be reviewed. Principles of language treatment are studied with the opportunity for on-site case observation. Prerequisite(s): SPCH 355. Notes: Offered in spring.

Sport Management (SPMA)

101. Introduction to Sport Management (3).
The purpose of the course is to introduce students to the multiple components of the sport industry. All major segments of the industry will be covered, giving the student a strong orientation to the overall industry. Major concepts to be studied will include a background of the industry, business aspects for sport management, various segments of the industry, and professional preparation for a career in the sport industry. Prerequisite(s): SPMA Majors or by permission of instructor. Notes: Offered in fall.

225. Apprenticeship in Sport Management (1).
The purpose of this course is to provide sport management students the opportunity for direct training in sport management settings within the community. Prerequisite(s): SPMA major, sophomore standing and grade of C or better in SPMA 101.
235. Sport Event Management (3:2:2).
The examination of the organization, management, and evaluation of sporting events. Specific emphasis will be placed upon the economic impact of sporting events, the event bidding process, the event planning process, event logistics, event evaluation, and risk management policies and procedures.
Prerequisite(s): SPMA or PHED major.
Notes: Offered in fall and spring.

355. Research and Writing in Sport Management (3).
The course will examine basic research methodologies and statistics as they apply to the field of sport management. Further, the course will examine writing press releases, reports, and brochures.
Prerequisite(s): SPMA 101.
Notes: Offered in fall and spring.

392. Field Experiences in SPMA (3:0:8).
The Field Experience course is designed to provide junior and senior sport management majors with direct training in the unique phases of a particular sport management setting and environment.
Prerequisite(s): Junior or Senior standing as an admitted SPMA major, approval of the Sport Management Program coordinator.
Corequisite(s): SPMA 398.
Notes: Offered in fall, spring and summer.

398. Seminar in Sport Management (1:1:0).
The purpose of this course is to provide students the opportunity to discuss issues and express concerns they may have while performing the field experience required in SPMA 392. A second purpose of the course is to prepare students for successful entry into the sport management internship. Professional preparation, interviewing skills, and career opportunities will all be discussed.
Prerequisite(s): Junior standing as a Sport Management major, Grade of C or higher in SPMA 101 and approval of sport management program coordinator.
Corequisite(s): SPMA 392.
Notes: Offered in fall, spring and summer.

425. Global and Behavioral Perspectives in Sport (3:3:0).
This course is an interdisciplinary examination of sport as a global phenomenon and the impact of sport as a social institution. Historical, cultural, economic, behavioral, and governance perspectives are considered.
Prerequisite(s): SPMA 101, SPMA majors, Junior or Senior status.
Notes: Offered in fall.

426. Administration of Sport Organizations (3).
This course will provide students majoring in sport management with the opportunity to specifically apply contemporary management concepts to the operation of sport organizations.
Prerequisite(s): MGMT 321, SPMA 101.
Notes: Offered in fall. This course may be taken concurrently with SPMA 101.

493. Internship in Sport Management (12).
The internship provides students the opportunity for guided practical experience in a sport management industry setting.
Prerequisite(s): Grade of C or higher in SPMA 392 and SPMA 398, Junior or Senior standing as an SPMA major, and approval of the Sport Management Program Coordinator.
Notes: Offered in fall, spring and summer.

Teaching Fellows (TFEL)

150. Teaching Fellows Seminar I (0:1:0).
Orientation to the Teaching Fellows Program for Freshman Teaching Fellows. Cultural diversity, service learning and reflective practices are addressed.
Prerequisite(s): Teaching Fellow status.
Notes: Offered in Fall and Spring.

250. Teaching Fellows Seminar II (0:1:0).
Sophomore Teaching Fellows will explore teaching strategies for English language learners.
Prerequisite(s): Teaching Fellow Status.
Notes: Offered in fall and spring.

350. Teaching Fellows Seminar III (0:1:0).
Junior Teaching Fellows will extend their understanding of cultural diversity. They will continue their study of teaching strategies for English language learners.
Prerequisite(s): Teaching Fellow Status.
Notes: Offered in Fall and Spring.

450. Teaching Fellows Seminar IV (0:1:0).
Senior Teaching Fellows will discuss topics related to English language learners in the general education classroom.
Prerequisite(s): Teaching Fellow Status.
Notes: Offered in Fall and Spring.

Theatre Applied Technique (THRA)

120. Acting I (3).
Basic techniques of relaxation and concentration, textual analysis, physicalization, characterization and creation of a role. Development of the actor’s craft through scene work emphasizing modern realism.
Notes: Intensive Oral Communication course. Offered in fall and spring.

121. Improvisation (3).
An experiential study of techniques of improvisation for the actor.
Prerequisite(s): THRT110, THRT210, THRA120 with a grade of C or better in each course.
Notes: Offered in fall.

160. Stage Make-Up (1:2).
Principles and methods for the design and application of stage make-up.
Prerequisite(s): For Theatre majors and minors only or with permission of the chair.
Notes: Lab Fee: $30. Offered in fall and spring.
170. Technical Theatre Practicum: Scenic Studio (1:0:4).
Scheduled, supervised scenic construction, painting and lighting production in the scenic studio and on stage.
Prerequisite(s): THRT 110, 115, THRA 180
Notes: Lab Fee: $10. Offered in fall and spring.

171. Technical Theatre Practicum: Costume Studio (1:0:4).
Scheduled, supervised costume construction in the costume studio.
Prerequisite(s): THRT 110, 115, THRA 180
Notes: Lab Fee: $10. Offered in fall and spring.

Training and supervised work in the area of box office, house management and production publicity.
Notes: Offered in fall and spring.

180. Technical Theatre Practicum: Running Crew (0:0:1).
Training and supervised work in serving on a technical crew for a theatrical production.
Prerequisite(s): THRT 110.
Notes: Offered in spring and fall. A grade of S or U is recorded.

An experiential study of fundamental voice and movement techniques for the actor.
Prerequisite(s): THRT 110, 115, 210, THRA 120, and 180 with a grade of C or better in each course.
Notes: Offered in fall and spring.

221. Stage Dialects (3).
Advanced techniques of vocal production and study of dialects such as: standard English, Cockney, Irish, French, Brooklynese, non-regional speech, and continued work on the International Phonetic Alphabet.
Prerequisite(s): THRA 220.
Notes: Lab Fee: $20. Offered in spring of alternate years.

260. Stagecraft (3).
The study of technical problems of play production including design, construction and painting of scenery and properties, special effects and stage rigging with practical application to current theatre and dance productions.
Prerequisite(s): THRT 110, 115, 210, THRA 120, and 170 with a grade of C or better in each course.
Notes: Lab Fee: $30. Offered in spring of alternate years.

261. Stage Lighting (3).
An introduction to the principles of design and to the applied techniques of theatrical lighting.
Prerequisite(s): THRT 110, 115, 210, THRA 120, and 180 with a grade of C or better in each course.
Notes: Lab Fee: $30. Offered in fall.

262. Drafting for Theatre (3).
Training in elements of drafting specific to theatre & stage design. Included are groundplans, elevations, perspectives, sections, orthographics and lighting graphics. Includes both manual and computer drafting techniques for theatre.

Prewrite(s): THRT 110, 115, 210, THRA 120, and 180 with a grade of C or better in each course.
Notes: Offered in spring of alternate years.

320. Acting II (3).
Development of the actor’s craft through scene work from realistic, non-realistic and classical texts. More advanced techniques of textual analysis, characterization and creation of a role.
Prerequisite(s): THRA 220
Notes: Offered in spring.

330. Stage Management (3).
A study of the role of the theatrical stage manager; the development of organizational and management skills necessary for total production coordination.
Prerequisite(s): THRT 110, 210, THRA 120 with a grade of C or better in each course.
Notes: Lab Fee: $30. Offered in fall and spring.

331. Directing I (3).
A study of the fundamentals of play directing with practical application through the staging of short scenes.
Prerequisite(s): THRT 110, 115, 210, THRA 120 and 180 with a grade of C or better in each course.
Notes: Lab Fee: $20. Offered in fall and spring.

360. Scene Design (3).
The study and application of the theories and techniques of the design of stage scenery; includes a survey of the history of design for the stage.
Prerequisite(s): THRT 110, 115, 210, THRA 120, and 180 with a grade of C or better in each course.
Notes: Lab Fee: $30. Offered in spring alternate years.

361. Costuming (3:2:2).
Study and application of the theories and techniques of theatrical costuming including a survey of historical dress, basic techniques of costume construction, and design for the stage.
Prerequisite(s): THRT 110, 115, 210, THRA 120, and 180 with a grade of C or better in each course.
Notes: Lab Fee: $30. Offered in spring of alternate years.

362. Sound Technology and Design for Theatre (3).
Introduction to sound equipment & techniques used in theatrical productions as well as the application of these to sound design for theatre.
Prerequisite(s): THRT 110, 115, 210, and THRA 120 with a grade of C or better in each course.
Notes: Lab Fee: $30. Offered in fall alternate years.

363. Advanced Stage Make-up (3).
Advanced techniques in construction and application of prostheses, face casting, facial hair, and understanding of
THEATRE APPLIED TECHNIQUE/THEATRE EDUCATION

new technologies, materials and processes in the field.
Prerequisite(s): THRA 160, 180, THRT 110, 115, 210 with a grade of C or better in each class.
Notes: Lab Fee: $50. Offered in spring of alternate years.

370. Practicum (1).
Individually supervised work in theatre performance and/or production.
Prerequisite(s): Permission of the Chair of Theatre and Dance.
Notes: Lab Fee: $30. May be repeated for credit for up to six hours. Offered in fall and spring.

411. Auditioning (1:0:2).
Preparation of student actors for graduate school and/or regional theatre auditions. Students will develop an audition portfolio and a personal strategic plan. 
Prerequisite(s): Theatre major, performance emphasis, junior status.
Notes: Offered in spring.

412. Portfolio Development (1:1:0).
Examination of career options for design/technical students and development of resumes, portfolios and other materials required to pursue those career choices. 
Prerequisite(s): Theatre major, design technical emphasis, and junior status.
Notes: Offered in fall.

421. Acting Styles I (3).
Development of the actor’s technique in scenes taken from ancient and Renaissance drama and from scenarios of commedia dell’arte. 
Prerequisite(s): THRA 320.
Notes: Offered in fall.

422. Acting Styles II (3).
Development of the actor’s technique in performance styles taken from French neo-classical, Restoration and Absurdist eras. 
Prerequisite(s): THRA 320.
Notes: Offered in spring.

431. Directing II (3).
A study of directing theories and criticism with an individually supervised production of a one-act play for public presentation. 
Prerequisite(s): THRA 330, 331 with a grade of C or better in each course. Majors only or written permission of the Chair of the Department of Theatre and Dance. 
Notes: Lab Fee: $60. Offered in fall and spring.

470. Advanced Practicum (3:0:3).
Supervised direction of a full-length theatre production. 
Prerequisite(s): Permission of the Chair of the Department of Theatre and Dance. 
Notes: Offered in spring and fall.

471. Internship in Theatre (3).
A faculty supervised/coordinated work affiliation in theatre. 
Prerequisite(s): Theatre major, junior status with permission of the Chair of the Department of Theatre and Dance.

Notes: Offered in fall and spring.

Theatre Education (THED)

212. Creative Drama (3).
Fundamentals of content, method and process for leading creative drama experiences. Creative process, elements of drama and integration with other curricularare explored. Teaching methods enables students to design lessons appropriate for a wide range of ages, interests and developmental stages. 
Notes: Lab Fee: $30. Offered in spring.

342. Theatre for Youth (3).
Exploration of the canon of literature designed for theatre for youth (elementary, middle and high school). Students will read, act and direct scenes from this canon and explore extra-curricular theater/drama programs for K-12 students. 
Prerequisite(s): THED 212, THRA 331 or permission of instructor. 
Notes: Lab Fee: $30. Offered in fall.

345. Exploring K-12 Theatre Education (3).
An exploration of National and State Standards in Theatre Curriculum, curricular development and issues, and extra-curricular theatre/drama programs for K-12 students. 
Prerequisite(s): THED 212, THED 342, THRA 331. 
Notes: Lab Fee: $30. Offered in spring.

351. Theatre for the Elementary Classroom (1).
Methods and materials for using theatre in the elementary classroom, exploration of creative drama techniques, curriculum development with the emphasis on integration of theatre in other content areas. 
Notes: Lab Fee: $10. Offered in spring, summer and fall.

391. Principles of Teaching Theatre (3).
A survey of various research-based instructional planning methodology, classroom management, curricula and evaluation of teaching and learning in theatre. 
Prerequisite(s): THED 212, 342, 345, admission to Teacher Education Program. 
Corequisite(s): THED 392 and EDUC 390. 
Notes: Lab Fee: $30. Offered in fall.

392. Field Experience Teaching Theatre (1:0:0).
This course uses laboratory experiences equivalent to 28 half days to lead theatre education students through an exploration and examination of various research-based programs of instructional planning, methodology, classroom management and evaluation of teaching and learning to complement content covered in THED 391. 
Prerequisite(s): THED 212, 342, 345. Admission to Teacher Education Program. 
Corequisite(s): THED 391 and EDUC 390. 
Notes: Lab Fee: $30. Offered in fall.
Theatre Theory (THRT)

110. Introduction to Design for Theatre (3:3).
Introduction to the scenographic elements of theatrical production, with focus on the process, techniques, skills and talents of the designers who create the look of the production.
Corequisite(s): THRA 180.
Notes: Offered in fall and spring.

115. Introduction to Production (3).
Introduction to the applied elements of production for theatre and dance, with focus on basic skills in costume construction, scenic construction and painting, stage lighting and sound engineering.
Notes: Lab Fee: $45. Offered in fall and spring.

20. Script Analysis (3).
Theoretical and practical analysis of play scripts from a global theatrical perspective.
Notes: Offered in fall and spring.

212. African-American Theatre (3).
A comprehensive study of several significant African-American playwrights and their influence on the American (and world) theatre.
Notes: Offered in spring alternate years.

298. Theatre Appreciation (3).
An introductory course designed to increase awareness and enjoyment of theatre through reading, attending plays, studying the historical relationship of theatre and society, and exploring the creative process of theatre (acting, designing, directing, etc.).
Notes: Not recommended for theatre majors. Offered in fall, spring and summer.

312. History of Dress and Decor (3).
A survey of the major trends in clothing, decor and furniture from ancient to modern periods. Emphasis will be on the development of research skills and the application of period styles to theatrical productions.
Prerequisite(s): THRT 110, 115, 210, THRA 120 and 180 with a grade of C or better in each course.
Notes: Offered in fall of alternate years.

315. Playwriting (3).
Developing the craft of playwriting through theoretical analysis and practical application of script structure, conflict/tension, effective dialogue, format, writing, workshops, rewrites, and evaluation.
Notes: Offered in fall.

340. Cooperative Education Experience in Theatre (3) (2) (1).
A cooperative education experience in a specified area of theatre that provides on-the-job training in a professional field related to a student’s major or career interest.
Prerequisite(s): Overall GPA of 2.5, junior status, permission of Chair.
Notes: A grade of S or U is recorded. Offered in fall, spring and summer.

385. Theatre History and Literature I (3).
A comprehensive survey of the development of world theatre and drama from their origins to 1800, including theatre architecture, theatrical conventions and theatre’s relationship to society in each period.
Prerequisite(s): THRT 110, 115, 210, THRA 120, and 180 with a grade of C or better in each course.
Notes: Offered in fall.

386. Theatre History and Literature II (3).
A comprehensive survey of the development of world theatre and drama from 1800 to the present, including theatre architecture, theatrical conventions, and theatre’s relationship to society in each period.
Prerequisite(s): THRT 110, 115, 210, THRA 120 and 180 with a grade of C or better in each course.
Notes: Intensive Writing course. Offered in spring.

395. Special Topics in Theatre (1).
Extension of individual opportunities in theatre beyond existing departmental curriculum limits.
Notes: May be retaken for additional credit. Offered in spring and fall.

396. Special Topics in Theatre (2:2:1).
Extension of individual opportunities in theatre beyond existing departmental curriculum limits.
Notes: May be retaken for additional credit. Offered in spring and fall.

415. Advanced Playwriting (3).
Developing and applying strategies for writing full-length dramas.
Prerequisite(s): THRT 315 or permission of instructor.
Notes: Offered in spring.

470. Advanced Practicum (3:0:3).
Supervised direction or design of a full-length theatre production.
Prerequisite(s): Permission of Chair of Theatre and Dance.
Notes: Offered in spring and fall.

471. Independent Study (1:0:1).
An individually designed study or creative project specific to the aptitudes and interests of the student.
Prerequisite(s): Theatre major, junior status with permission of Chair of Theatre and Dance.
Notes: Course may be repeated for credit. Offered in fall, spring and summer.

472. Independent Study (2:0:2).
An individually designed study or creative project specific to the aptitudes and interests of the student.
Prerequisite(s): Theatre major, junior status with permission of chair of Theatre and Dance.
Notes: Course may be repeated for credit. Offered in fall, spring and summer.
THEATRE THEORY/VISUAL COMMUNICATION

473. Independent Study (3:0:3).
An individually designed study or creative project specific to the aptitudes and interests of the student.
Prerequisite(s): Theatre major, junior status with permission of chair of Theatre and Dance.
Notes: Course may be repeated for credit. Offered in fall, spring and summer.

595. Special Topics in Theatre (1).
Extension of individual opportunities in theatre beyond existing departmental curriculum limits.
Notes: This course may be repeated for credit. Offered fall, spring and summer.

596. Special Topics in Theatre (2).
Extension of individual opportunities in theatre beyond existing departmental curricular limits.
Notes: This course may be repeated for credit. Offered in fall, spring and summer.

597. Special Topics in Theatre (3).
Extension of individual opportunities in theatre beyond existing departmental curricular limits.
Notes: This course may be repeated for credit. Offered in fall, spring and summer.

Visual Communication (VCOM)

101. Visual Communications Seminar (1).
Survey of contemporary issues regarding communication design and related careers. Discussion of relevant professional, critical, and conceptual topics relating to visual communication design.
Notes: Offered in fall.

Introduction to analytical drawing skills for the purpose of visual communication. Emphasis is on the various drawing systems of orthographic, paraline, and linear perspective representation.
Notes: Lab Fee: $20. Offered in fall and spring.

Building on drawing systems learned in VCOM 120, the emphasis is on creating drawings based on structure and form. Observational analysis will be combined with design drawing approaches to develop representational abilities. Compositional systems and principles of light and shade will be explored.
Prerequisite(s): VCOM 120

Development of technical skills and abilities needed for applied design programs. Students will construct two- and three-dimensional projects to develop craftsmanship and presentation skills.
Notes: Lab Fee: $25. Offered in fall and spring.

Introduction to 2-dimensional compositional concerns as applied to basic design formats. Projects emphasize use of design presentation skills to investigate issues of placement, compositional integrity, formal hierarchy, focal points, and elements and principles of design.
Prerequisite(s): VCOM 150 and VCOM 151 as pre- or co-requisite; or permission of area coordinator.
Notes: Lab Fee: $35. Offered in fall, spring and summer.

Investigation of color theories as used in applied design situations.
Prerequisite(s): VCOM 150 and VCOM 151 as pre- or co-requisite; or permission of area coordinator.
Notes: Lab Fee: $35. Offered in fall and spring.

220. Illustration: The Figure (3:1:4).
Building on the principles learned in VCOM 121, this life drawing course will apply design drawing strategies to representation of the human figure. The emphasis will be on accurately representing the dynamic motion of a pose and the forces acting upon the body, and from within the body.
Prerequisite(s): VCOM 121 or permission of program coordinator.
Notes: Offered only in Fall. Lab fees may be used to offset drawing sessions requiring compensated models.

Semiotics, design-illustration, narrative illustration and character development, as well as methods of creative problem solving, are pursued within a project-oriented curriculum. Various representational systems, as well as an array of media, are explored.
Prerequisite(s): ARTS 120 or VCOM 120 or permission of area coordinator.
Notes: Lab Fee: $20. Offered in fall and spring.

258. Introduction to Typography (3:1:4).
Investigation of typographic elements stressing spatial organization, concept and presentation skills, including an historical study of letterforms and their application in visual communications.
Prerequisite(s): VCOM 150 and VCOM 151 as pre- or co-requisite; or permission of area coordinator.
Notes: Lab Fee: $35. Offered in fall and spring.

259. Introduction to Graphic Design (3:1:4).
Introduction to concepts and techniques used in Graphic Design profession. Emphasis on dynamic organization of 2-D layouts utilizing shape, type, and image, as well as the development of professional presentation skills.
Prerequisite(s): VCOM 154 and VCOM 258.
Notes: Lab Fee: $50. Offered in fall and spring.

Use of a computer to solve creative and applied problems in visual design. Further development of skills and understandings to create effective and expressive images in a desktop publishing environment.
Prerequisite(s): CSCI 101 (including modules F & I); or permission of area coordinator.
Notes: Lab Fee: $45. Offered in fall and spring.

Study, create and implement html (hyper text markup language) and Javascript web sites. The course will deal

240
with issues of interactivity and communication delivery including publishing web content. Preparation of images and other content issues for the web will also be covered. Familiarity with general computer functions and web browsers is required.
Prerequisite(s): VCOM 261; or CSCI101F and DIFD 141; or permission of program coordinator.
Notes: Lab Fee: $40. Offered fall and spring.

300. VCD Portfolio Review (0).
Review of student proficiency for acceptance in upper-level VCD study. BFA-VCD students must successfully pass this review prior to enrollment in courses numbered above VCOM 300.
Prerequisite(s): BFA student pursuing Graphic Design or Illustration program of study; overall/Composite GPA of 2.75 minimum.
Notes: Offered in fall, spring and summer

All VCOM studio courses numbered above 300 have a prerequisite of the successful completion of the specialization portfolio review or permission of the Chair of the Department of Design.

301. Visual Communication Seminar I (1:0:2).
Review of student projects and discussion of relevant theoretical, conceptual and professional issues relating to visual communication design.
Prerequisite(s): VCOM 101, VCOM 300.
Notes: A grade of S or U is recorded. Course can be repeated for credit.

Investigation of skeletal and muscular anatomy and its relationship to surface anatomy. The human anatomy will be compared to that of other animals. The ability to understand and represent underlying anatomy from direct observation of the figure will be emphasized.
Prerequisite(s): VCOM 300. BIOL 307 and PHED 267 are pre- or co-requisite.

322. Illustration I (3:0:6).
Further development of skills learned in VCOM 222. Emphasis on methods of research and conceptual development. Specific and directed communications projects are used to foster conceptual problem-solving skills.
Prerequisite(s): VCOM 222.
Notes: Lab Fee: $45. Offered in fall.

323. Illustration: the Costumed Figure (3:1:4).
This course explores the representation of the figure within the context of observed, historical and fantasy illustration.
Prerequisite(s): VCOM 300.

The human face in portraiture will be examined. Includes investigation of traditional portrait painting as well as creative and expressive directions which can be shown in the genre.
Prerequisite(s): ARTT 300.
Notes: Lab Fee: $45. Offered in spring of alternate years.

340. Cooperative Education Experience (3).
A cooperative educational experience to provide training for the VCD major in a professional environment. A maximum of 6 hours of cooperative education may be applied toward the Bachelor of Fine Arts degree.
Prerequisite(s): VCOM 300.
Notes: Cross-listed with ARTT 340 and INDS 340. Offered in fall, spring and summer.

354. Graphic Design I (3:0:6).
Application of communication design principles learned in VCOM 251 and VCOM 258. Use of design elements, typography, and image to produce dynamic editorial and publication layouts.
Prerequisite(s): ARTT 300.
Notes: Lab Fee: $50. Offered in fall.

The course emphasizes alternative approaches to solving design problems through further application of visual communication design principles. Projects encourage conceptual investigation and creative approaches to communication design problems.
Prerequisite(s): VCOM 300.
Notes: Lab Fee: $35. Offered in fall.

Design and organization of printed word and letterforms in combination with other graphic elements.
Exploration of experimental typographic forms, interpretive design, and text and image relationships.
Prerequisite(s): VCOM 300.
Notes: Lab Fee: $35. Offered in fall.

361. Digital Illustration (3:0:6).
Studies in advanced computer illustration techniques using object and pixel-based image production software. Problems center on both 2D and 3D renderings for illustrative and professional applications.
Prerequisite(s): ARTS 281 or VCOM 261, ARTT 300.
Notes: Lab Fee: $45. Offered in spring.

Course covers advanced issues of web design such as usability, organization of visual elements and technical problem solving. Dynamic web pages and databases systems related to content and communications will be created and discussed. Design methods of content, layout and user-centered communication concerns will also be covered within the course.
Prerequisite(s): INFD 141, or VCOM 300; or VCOM 262 and permission of area coordinator.
Notes: Lab Fee: $40. Offered in fall.

Focus on the integration, effect, and use of content for interactive media. The development of content using video, text, imagery, and sound will be introduced to enhance the abilities of interactive media designers. Emphasis is placed on understanding processes and planning, as well as use of narrative in sequential media formats.
Prerequisite(s): Passage of VCOM 300 or VCOM 261 and permission of coordinator.
374. History of Graphic Design and Illustration (3).
Focus on the history and evolution of style, technology, processes, and environmental factors that have affected applied visual design and illustration. Specific emphasis on design in Western culture.
Prerequisite(s): ARTH 176.
Notes: Cross-listed with ARTH 374. Students may not receive credit for both VCOM 374 and any of ARTH 274, ARTH 374 or VCOM 274.

388. Graphic Arts Production Practices (3:2:2).
Tools, processes and technologies used in graphic arts professions. Course material is covered through exercises, projects, and field experiences.
Prerequisite(s): Passage of VCOM 300 or permission of area coordinator.
Notes: Lab Fee: $45. Offered in spring.

390. Special Topics in Visual Communication Design (1:0:2).
Extended individual opportunities in communication design study beyond existing program curriculum.
Prerequisite(s): VCOM 300 and permission/prearrangement with area coordinator.
Notes: May be repeated for credit. Offered periodically.

Extended individual opportunities in communication design study beyond existing program curriculum.
Prerequisite(s): VCOM 300 and permission/prearrangement with area coordinator.
Notes: Additional class lab fees may apply. Offered periodically.

401. Visual Communication Seminar II (1).
Review of student projects and discussion of relevant theoretical, conceptual and professional issues relating to visual communication design.
Prerequisite(s): VCOM 301.
Notes: Offered in fall and spring.

This course investigates the occurrence of heroes, villains, and anti-heroes as iconic symbols in illustration. Character development is investigated as well as a variety of illustrative narrative formats.
Prerequisite(s): VCOM 300.
Notes: Course offered in fall of alternate years.

423. Illustration: Folk Tales and Children's Literature (3:1:4).
Application of illustration skills and understanding to folklore and children's literature settings for the purpose of conveying an illustrated story. Stylistic choices, age-appropriateness, and anthropomorphism will be explored.
Prerequisite(s): VCOM 300.
Notes: Course offered in fall of alternate years.

Application of illustration skills and understanding to sequential and time-based settings for the purpose of conveying an illustrated story.
Prerequisite(s): VCOM 300.
Notes: Lab Fee: $45. Offered in fall of alternate years.

Investigates the use of illustration in political posters, product advertising and nationalistic images.
Prerequisite(s): VCOM 300.
Notes: Course offered only in Spring of alternate years.

Narrative and editorial illustration conveys a story, or describes a point of view. This class uses illustration approaches and practices for students to pursue creative solutions to narrative subject matter.
Prerequisite(s): VCOM 300.
Notes: Course offered only in Spring of alternate years.

444. Design Practicum (3:0:8).
The practicum class provides "real world" design problems. In directed situations, students are responsible for the full range of project management, from client interaction, problem definition, and production to finished printed or electronic materials.
Prerequisite(s): ARTT 300, Portfolio required for admission to class.
Notes: Class may be repeated for credit.

Comprehensive study and production of corporate identity systems, including the design and development of logos, identity standards, and related collateral materials.
Prerequisite(s): VCOM 355 and VCOM 358.
Notes: Lab Fee: $45. Offered in spring.

Application of communication graphics to three-dimensional forms. Investigation of design issues relating to product packaging, promotion, environmental graphics, signage and other dimensional formats.
Prerequisite(s): VCOM 355.
Notes: Lab Fee: $45. Offered in spring.

458. Experimental Typography (3:0:6).
Investigation of typography as an innovative art form. Emphasis on letterform imagery and experimental formats.
Prerequisite(s): VCOM 355, 358.
Notes: Lab Fee: $20. Offered in spring.

This course will develop aspects of interactive media content for alternative platforms, formats and devices. Technical considerations will be discussed as well as theoretical planning for these types of environments. Much of the content will depend on devices that are acquired during the course. Also students will be required to develop an environment for experimental learning using these devices.
Prerequisite(s): VCOM 362, or VCOM 262 and CSCI 242 and permission of area coordinator.
Notes: Lab Fee: $45. Offered in fall.

This course extends experiences from VCOM 363 by further investigation of the relationship users have with technology. Multimedia content will be developed using professional-level techniques for internet delivery. Creative approaches to presenting information through sequential media, information gathering strategies, and role playing will be a focus of the course. A variety of technical skills and techniques for building multimedia projects will also be required of the students.
Prerequisite(s): VCOM 363.
Notes: Lab Fee: $45. Offered in spring.

486. Senior Thesis Proposal (1).
Focus on the preparation and approval of a project proposal which serves as the basis for research in VCOM 487.
Prerequisite(s): VCOM 455 or VCOM 424; WRIT 465 (must be pre- or co-requisite).
Notes: Lab Fee: $10. Offered in periodically.

487. Senior Thesis (3:0:6).
Students pursue solutions to a visual communications problems individually proposed in VCOM 486.
Prerequisite(s): WRIT 465, VCOM 486.
Notes: Lab Fee: $40. Offered periodically.

490. Special Topics in Visual Communication Design (1:0:2).
Extended individual opportunities in communication design study beyond existing program curriculum.
Prerequisite(s): VCOM 300 and permission/prearrangement with area coordinator.
Notes: Offered periodically.

492. Special Topics in Visual Communication Design (3:0:6).
Extended individual opportunities in communication design study beyond existing program curriculum.
Prerequisite(s): VCOM 300 and permission/prearrangement with area coordinator.
Notes: Offered periodically.

Review of student projects and discussion of relevant theoretical, conceptual and professional issues relating to visual communication design.
Prerequisite(s): VCOM 401.
Notes: May be retaken for additional credit. Offered in fall and spring.

The development of a professional design portfolio. Course also covers preparation of a resume, professional standards and practices, legal issues, and other items relevant to a practicing design professional.
Prerequisite(s): VCOM 486.
Notes: Lab Fee: $50. Offered in spring.
WOMEN'S STUDIES/WRITING

330. Women and Literature (3).
This course draws upon the entire body of writing (fictional and non-fictional) by and/or about women. In different semesters, it may focus on different themes, periods, genres, authors, or issues related to women.
Prerequisite(s): WRIT 102 or CRTW 201.
Notes: Cross-listed with ENGL 330. Offered in spring/odd years.

337. Women and Global Politics (3).
Examines the role of women in the sphere of global politics. Course assumes some knowledge of the basic issues confronting women in contemporary global context.
Prerequisite(s): WMST 300 or PLSC 205 or 207 or permission of instructor.
Notes: Cross-listed with PLSC 337. Offered in spring.

371. Women and Politics in the US (3).
Women, as a special interest group, and their role in the American political process.
Prerequisite(s): PLSC 201 with grade of C or better, or WMST 300 with grade of C or better or permission of instructor.
Notes: Cross-listed with PLSC 371. Offered at variable times.

450. Special Topics in Women's Studies (3).
In-depth or specialized inquiry into women's studies topics or issues.
Prerequisite(s): Permission of instructor.
Notes: Offered in fall, spring and summer.

477. Women in Art (3).
Consideration of the images of women portrayed through art. The impact of feminism on art, and contributions of women artist, designers, and architects to the history of art.
Notes: Cross-listed with ARTH 477. Offered in fall.

507. Women's Health Issues (3).
A study of the problems, questions and issues of women's health as they relate to personal and community health and well-being.
Prerequisite(s): Junior status.
Notes: Cross-listed with HLTH 507. Offered in fall/odd years.

553. Feminist Theory (3).
This course is designed to acquaint students with the variety of ideas, methods and issues raised within contemporary feminist literature.
Prerequisite(s): WRIT 102 or CRTW 201 or graduate status.
Notes: Cross-listed with PLSC 553. Offered in fall of odd years.

Writing (WRIT)

WRIT 101 is a prerequisite for HMXP 102 and CRTW 201. CRTW 201 is a prerequisite for all WRIT courses above 199. Students must attain a grade of C- or better in these courses.

101. Composition: Introduction to Academic Discourse (3).
Introduces students to college-level, thesis-driven, research-based writing. Focus on planning, organizing, and developing persuasive essays through the critical reading of mature prose texts. Emphasis on mastery of MLA documentation format and proper integration of source material.
Notes: Offered in fall and spring. A grade of C- or better is required.

111. Writing for Non-native Speakers (1).
Designed for non-native speakers of English. Course will address sentence-level issues (verb tenses, prepositions, idioms, articles) and the structure of the American essay.
Notes: Cannot be counted toward graduation requirements. A grade of S or U is recorded. Offered in fall, spring on demand.

300. Rhetorical Theory (3).
An historical survey of rhetorical theory as it relates to written texts, beginning with classical rhetoric but with special emphasis on the twentieth century.
Notes: Intensive Writing course. Offered in spring of even years.

307. Fiction Writing (3).
A study of literary devices and techniques designed to provide the writer with basic fiction writing skills.
Notes: Offered in fall and spring.

316. Poetry Writing (3).
An introductory workshop course focusing on student poems: writing, discussing, critiquing, and rewriting. Emphasis also on reading contemporary poetry. Introduction of literary magazines and publications.
Notes: Offered in fall and spring.

350. Introduction to Composition Theory and Pedagogy (3).
An overview of contemporary theory about the learning and teaching of composition, plus intensive work in writing, revising, and editing. Designed primarily for students who are pursuing teacher licensure.
Prerequisite(s): Junior status recommended.
Notes: Intensive Writing course. Offered in fall and spring.

351. Advanced Non-Fiction Writing Workshop (3).
An advanced workshop course in writing non-fiction essays.
Notes: Intensive Writing course. Offered in fall.

366. Technical Communication (3).
Introduction to technical communication-including advanced research strategies and documentation, developing professional publications and presentations, writing documentation, and editing technical materials. The course is designed for students who seek opportunities as professional writers, not as scientific professionals.
Notes: Intensive Writing course. Offered in spring of even years.
431, 432, 433. Academic Internship in Writing (1) (2) (3).
Practical experience in selected activities related to writing skills gained in the major.
Prerequisite(s): 12 hours of ENGL (including ENGL 300) and a 2.5 GPA or permission of department chair.
Notes: Open to English majors only. Offered in fall and spring.

461, 462. Internship in Science Communication (3) (3).
Practical experience in science communication through work in area governmental and business institutions under the supervision of program faculty.
Prerequisite(s): Prior approval from program director and Dean of the College of Arts and Sciences.
Notes: Offered in fall and spring.

465. Preparation of Oral and Written Reports (3).
The practical study of audience analysis, purpose, format, organization, and style in written and oral reports.
Prerequisite(s): Junior status.
Notes: Intensive Writing and Intensive Oral Communication course. Offered in fall, spring and summer.

500. The Theory and Practice of Tutoring Writers (3:3:1).
Advanced study of the theory and practice of tutoring writers with particular attention to the composing process, theories of learning in a conference setting, and rapid analysis of student writing with the goal of engaging student writers in posing solutions to their writing problems.
Prerequisite(s): Completion of CRTW 201 or permission of department chair or graduate standing.
Notes: Offered in fall.

501. Writing for Electronic Publication (3).
A discussion of and hands-on workshop in writing for electronic publication, including the rhetorical, contextual, and ethical issues involved in creating such publications; the criteria for evaluating such publications; and the skills needed to create such publications.
Prerequisite(s): CRTW 201 or writing intensive course or graduate standing.
Notes: Intensive Writing course. Offered in fall of odd years.

507. Short Story Writing (3).
An examination of contemporary short fiction and completion of 10,000 words comprising two to four original works.
Prerequisite(s): WRIT 307 or graduate status.
Notes: Offered in fall.

510. Topics in Writing and Rhetoric (3).
An examination of topics, issues, methodologies, and practices. Course content will vary.
Prerequisite(s): CRTW 201 and a previous ENGL course, or graduate status, or permission of instructor.
Notes: Offered periodically. May be retaken for additional credit with permission of Chair, Department of English.

516. Poetry Writing II (3).
An advanced workshop course similar to WRIT 316 in format. More critical analysis of established poets. Additional work on traditional forms.
Prerequisite(s): WRIT 316 or permission of instructor or graduate status.
Notes: Offered in fall.

530. Script Writing (3).
A workshop course in media script writing with an emphasis on theatre.
Prerequisite(s): CRTW 201 or graduate status.
Notes: Offered in spring of odd years.

566. Writing for Science and Technology (3).
Intensive analysis of and preparation to write for publication in the scientific and technical literature. Intended for advanced students planning careers in science and technology.
Prerequisite(s): CRTW 201 and either ENGL 380 or successful completion of a 200-level or higher course in BIOL, CHEM, CSCI, ENVS, GEOG, GEOL, GRNT, NUTR, MATH, PHYS, PSYC, or WELL, or permission of the instructor; or permission of the instructor; or graduate status.
Notes: Intensive Writing and Intensive Oral Communication course. Offered in spring of odd years.