

WINTHROP UNIVERSITY
UNDERGRADUATE
CATALOG
2009 - 2010

ROCK HILL, SOUTH CAROLINA 29733
Effective August 16, 2009 through August 15, 2010
Volume 100

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
August 21, Friday

August 23, Sunday
August 24, Monday
August 25, Tuesday
August 28, Friday

September 8, Tuesday
September 15, Tuesday

October 19-20, Monday-Tuesday

October 21, Wednesday
October 23, Friday

November 4, Wednesday
November 25-29, Wednesday-Sunday

December 7, Monday
December 8, Tuesday
December 9-15, Wednesday-Tuesday
December 16, Wednesday
December 17, Thursday
December 19, Saturday

Welcome Week
7 AM, Freshmen and Transfer Students check into Residence Halls.
8 AM, Upperclass students check into Residence Halls.
4 PM, Opening Convocation and Blue Line Classes begin.
Last day of Fall semester registration
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
Fall Break
Residence Halls close 9 AM, Oct. 17; reopen 2 PM, Oct. 20.
Advising for Spring 2010 begins.
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.
Registration for Spring 2010 begins.
Thanksgiving Holidays; offices closed Nov. 28-29.
Residence Halls close 9 AM Nov. 25, reopen 2 PM November 29.
Last day of Fall 2009 classes
Study day
Final examinations
9 AM, Undergraduates check out of residence halls.
7 PM, Graduate Commencement
11 AM, Undergraduate Commencement
6 PM, Graduates check out of residence halls.
Residence Halls close.

Spring Semester 2010

January 10, Sunday
January 11, Monday
January 15, Friday

January 18, Monday
January 25, Monday
February 1, Monday

March 10, Wednesday

March 15-21, Monday-Sunday

March 24, Wednesday
April 7, Wednesday
April 26, Monday
April 27, Tuesday
April 28-May 4, Wednesday-Tuesday
May 5, Wednesday
May 6, Thursday
May 8, Saturday

8 AM, Residence Halls open.
Classes begin.
Last day of Spring semester registration
Last day to change courses or course sections
Last day to Audit courses
Martin Luther King, Jr Holiday; offices closed.
Last day to elect S/U option
Last day to apply for summer or fall 2010 graduation without fee penalty
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.
Spring Break (Offices closed March 18-19.)
Residence Halls closed 6 PM, Mar. 12; reopen 2 PM Mar. 21.
Advising for Fall 2010 begins; registration for summer begins.
Registration for Fall 2010 begins.
Last day of Spring 2010 classes
Study day
Final examinations
9 AM, Undergraduates check out of residence halls.
7 PM, Graduate Commencement
11 AM, Undergraduate Commencement
6 PM, Graduates check out of residence halls.
Residence Halls close.

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

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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 in two or more courses without the explicit permission of the professors involved. In addition, academic misconduct involves attempting to influence one's academic evaluation by means other than academic achievement or merit. More explicit definitions of academic misconduct specific to certain academic disciplines may be promulgated by academic departments and schools.

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

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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.

Academic Regulations

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

College of Business
225 Thurmond
323-4833

Richard W Riley College of Education
144 Withers
323-4750

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

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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 Undergraduate 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.

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- N** No Grade, indicating the student withdrew from the course
- I** Incomplete, used only as a prefix to a letter grade. Assigning an incomplete grade indicates that, for a valid reason, the course has not been completed and that the instructor reserves the right to raise the grade if the incomplete work is completed within one year, or by an earlier date specified by the instructor. The grade to which I is prefixed is not used in computing the student's GPA until the I prefix is removed and indicates the grade earned if no further work is performed. It is the grade in the course unless and until changed by the instructor.

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-=.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):

Class	Cumulative Hours Earned	Minimum Cumulative GPA
Freshman	0 to 23	1.75
Sophomore	24 to 53	1.85
Junior	54 to 86	2.0
Senior	87 or more	2.0

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

ACADEMIC REGULATIONS

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*)	6
Quantitative Skills (CTQR 150 (through 09M), MATH 105, 150 or 201 or any course that has MATH 201 as a prerequisite)	3
Technology	0-3*%
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, ECED 391, ELEM 391, ENGE 391, GEOG 500, HIST 300, INDS 488, MAED 391, MGMT 355, MLAN 391, MUST 590, PLSC 260, SCED 573, SPCH 201, 203, SPED 391, THRA 120, WRIT 465, 566	
Logic/Language/Semiotics	6
ARTS 281, Any CSCI, Foreign Language, INFD 141, MATH, PHIL 220 or 225, QMTH, SPCH 201, VCOM 261, 262	
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, 303, 304, 306, GERM 280, HIST 111, 112, 113, 332, 337, 344, 345, 351, 540, 547, 548, 551, 552, 553, 560, INAS 425H, MCOM 302, MGMT 529, MKTG 581, MLAN 330B, 530B, MUST 307, PLSC 205(H), 207(H), 260, 336, 337, 338, 345, 506(H), RELG 300, 335, 340, SPAN 301, 302, THRT 210	
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, 313, 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, 542, 547, 548, 550, 551, 552, 553, 560, 561, MUST 305, PHED 380, PHIL 301, 302, 315, RELG 313, 314, 320, THRT 312, 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)	6-9#
ANTH 201, 203, ECON 103, 215, 216, 343, GEOG 101, HCMT 200, PLSC 201(H), 202, 205(H), 207(H), 220, 260, 302, 305, 306, 307, 310, 311, 312, 313, 314, 315, 317, 320, 321, 322, 325, 335, 336, 337, 338, 345, 350, 355, 371, 504, 505, 508, 518, 525, 560, PSYC 101, SOCL 101, 201	
Humanities and Arts (At least 2 designators)	6-9#§
ARTE 547, ARTH 175, 176, 375, 376, 379, 381, 382, 477, 480, 481, 482, 483, 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, 313, 331, 332, 337, 343, 344, 350, 351, 352, 355A, 355B, 355C, 450, 471, 472, 509, 530, 540, 542, 547, 548, 550, 551, 552, 553, 561, INDS 201, 231, 232, 333, 432, 433, 488, MGMT 575, all MUSA ensemble (MUSA 141-169) and lesson courses (MUSA 101, 111, 112, 211, 212, 311, 312, 411, 412 [all letters]), MUST 298, 306, 315, PEAC 200, PHIL 201, 230, 301, 302, 303, 310, 312, 315, 340, 350, 370, 390, 575, PLSC 351, 352, 356, 551, 553, RELG 201, 220, 300, 313, 314, 320, 335, 340, 350, 360, 390, THRA 120, 320, 521, THRT 210, 298, 385, 386, 312, VCOM 222, 251, 258, 354, 374, 463	
Natural Science (one each from two groups; one must be a lab)	7#
Life: ANTH 202, BIOL 150/151, 203/204(H), 206H, 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	
Physical: CHEM 101, 106/108, PHYS 101/102, 105, 211/211L, 212/212L, 250/251, 253, 256	
Intensive Writing	0-3*
ANTH 302, 341, ARTT 395, BIOL 300, CSCI 327, DANT 386, ENGL 300, ENVS 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 Technology 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.

The College of Arts and Sciences

Debra C. Boyd, Dean
Sarah F. Stallings, Associate Dean

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 knowledgeably 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, Bachelor of Social Work, 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.**

COLLEGE OF ARTS & SCIENCES--BIOLOGY

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.

Course taken at Winthrop with an earned grade of B or higher	Foreign Language Credit may be received for
French 102	FREN 101
French 201	FREN 101 and/or 102
German 102	GERM 101
German 201	GERM 101 and/or 102
Spanish 102	SPAN 101
Spanish 201	SPAN 101 and/or 102

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
Lockett 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.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition; Crit Reading, Thinking, Writing	6
Quantitative Skills	Met in major requirements	0
Logic/Language/Semiotics		
MATH	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		67
BIOL 202, 203, 204, 205, 206, 300, 480, 491, 492		19
BIOL Electives – select two courses from each of the following areas:		
(must include one laboratory course in each area)		14-16
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 340 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		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition; Crit Reading, Thinking, Writing	6
Quantitative Skills		
	Met in major requirements	0
Logic/Language/Semiotics		
MATH	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/Multicultural Perspectives		
	See approved lists, 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		68
BIOL 202, 203, 204, 205, 206, 300, 307, 308, 310, 315, 317, 318, 480, 491, 492, and 513		38
BIOL 304, 323, 403, 404, 505, 510, 511, 515 or 540**		4
CHEM 105, 106, and 108	General Chemistry I & II	8
MATH 150 and another MATH (excluding 291 and 292)		6
PHYS 201, 202 and GEOL 110 and 113	General Physics I & II; Physical Geology	12
Professional Education Sequence		33
EDUC 110, 210, 250, 275, 310, 390, 475, 490		29***
SCIE 391, 392		4
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 a 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.

COLLEGE OF ARTS & SCIENCES--BIOLOGY/MEDICAL TECHNOLOGY
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.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition; Crit Reading, Thinking, Writing	6
Quantitative Skills		
	Met in major requirements	0
Logic/Language/Semiotics		
MATH	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		
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
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		
		66-68
BIOL 202, 203, 204, 205, 206, 300, 480, 491, 492		19
BIOL 310, 317, 522		11
BIOL Electives – select two courses from each of the following areas:		
(must include one laboratory course in each area)		
Ecology, Evolution, Field Biology		
BIOL 303, 304, 323, 403, 404, 505, 508, 510, 511, 513, 515, 518, 524, 525, 527 and 560		
Cells, Genes and Development (satisfied by the required program)		
BIOL 307, 308, 310, 315, 317/318, 321, 322, 507, 517, 519, 522, 530 and 555		0
Select additional courses from the above areas and/or those listed below to total 42 hours in BIOL:		
BIOL 340 (A, B, C), 440, 450H, 461, 463, 471 and 540		4-5
(Students must complete at least one 500-level BIOL course)		
CHEM 105, 106, 108	General Chemistry I & II	8
CHEM 301, 302, 304	Organic Chemistry I & II	8
MATH 150 or MATH 105 or 201 or any MATH course with 201 as a prerequisite		6
Mathematics, MATH or Science electives: Select additional courses from the following list:		3
CHEM 313, 314, 523, 524 and 525; CSCI 101 and CSCI 101A, B, and C;		
MATH 141 (or QMTH 205 and 206); MATH 150.		
Students are advised (optional) to complete CHEM 313 and 314.		
General Electives		14-24
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.

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.

COLLEGE OF ARTS & SCIENCES--BIOLOGY/BIOMEDICAL RESEARCH

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		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition; Crit Reading, Thinking, Writing	6
Quantitative Skills	Met in major requirements	0
Logic/Language/Semiotics		
MATH	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		67
BIOL 202, 203, 204, 205, 206, 300, 480, 491, 492		19
BIOL 315		4
BIOL 471 or 450(H)		3
Choose 3-4 Hours from		
BIOL 310, 317/318, 322		3-4
Choose 6-8 Hours from		
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, 323, 403, 404, 505, 508, 510, 511, 513, 515, 518 525, 527 and 560 (if 560 selected above, only a 4-hr lab class is needed from this area)		
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		
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

Mathematics and Science Electives****3**

**At least 3 additional hours mathematics and science electives must be chosen from:

MATH (except 291 & 292, and any course used to satisfy the Quantitative Reasoning Area; CHEM (except, 101, 340A, B, C, 461, 462, or 463); PHYS (except 101); GEOL; and QMTH 205, 206 (if MATH 141 not selected)

Electives**19-23****Total****124****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, and 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		Semester Hours
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	Met in major requirement by MATH 201	0
Oral Communication	See approved list, p. 16; may be met through other req	0-3
Logic/Language/ Semiotics	Met in major requirement by MATH 202	0
Foreign Language Requirement	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		
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
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	
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.

COLLEGE OF ARTS & SCIENCES--ENGLISH
ENGLISH

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		Semester Hours
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		
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 by another req; see approved list, p. 16	0-3
Technology	May be met by major; see approved list, p. 16	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	Met by major requirements	0
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 hours met in major; remaining 3 from another designator may be met by HIST requirement*	0-3
Intensive Writing	Met in major	0
Constitution Requirement	See approved list, p. 16; may be met through other req	0-3
Subtotal		32-44
Requirements in Major		
		42
ENGL 203	Survey of British Literature	3
ENGL 208	Foundations 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
ENGL 303 or 507	Grammar; Development of Modern English	3
ENGL 312 or 323 or 324 or 504 or 515 or 529*		3
ENGL 319 or 501 or 503 or 511 or 512 or 513 or 514 or 520 or 521 or 525 or 527*		3

WRIT 300 or 351 or 500 or 501 or 510	3
Electives from ENGL above 299	9
HIST 308, 310, 313, 314, 315, 343, 344, 346, 347, 507, 509, 525, 540, or 542; or ARTH 175 or 176	6
Foreign Language Requirement	0-8
Minor	15-24
General Electives	0-36
Total	124-127

†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.

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.

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.**

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 course with MATH 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3†
CSCI; PHIL 220, 225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261		3
Oral Communication	Met by major	0
Technology	Met by major	0
Skills for a Common Experience and Thinking across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	Met by major	0
Historical Perspectives	Met by 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	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	6 hours met in the major; select at least 1 course from a different subject area.	3
Intensive Writing	Met by major	0
Constitution Requirement	See approved list, p. 16	0-3
Subtotal		35-38
Requirements in Major		36
ENGL 203, 208, 211, 305		12
ENGL 300*, 303*, 507*		9
ENGL 491	Departmental Seminar	0
ENGE 519*	Adolescent Literature	3
WRIT 350*	Intro to Comp Theory & Pedagogy	3
Electives from ENGL above 299, WRIT 300, 307, 316, or 500 (only 3 hours may be from WRIT 307 or WRIT 316)		9

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
READ 345*	Content Area Literacy
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		Semester Hours
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		
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:		15
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		9-12
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		9-12
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		Semester Hours
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		
MATH 105 or 150 or 201 or any MATH course with MATH 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	May be met by major*	0-3
Technology	Met by major	0
Skills for a Common Experience and Thinking Across Disciplines		
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
Developing Critical Skills Applying them to Disciplines		
Natural Science	May be met in major	0-7
Social Sciences	3 hours met in major; remaining 3-6 from other designators	3-6**
Humanities and Arts	6 hrs met in major	0-3**

**A total of 6 hours must be taken from these two areas.

COLLEGE OF ARTS & SCIENCES--ENGLISH/SCIENCE COMMUNICATION

Intensive Writing	Met in major	0
Constitution Requirement	See approved list, p. 16; may be met by another req	0-3
Subtotal		31-45
Requirements in Major		68-70
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
(***)WRIT 465 or WRIT 566 required if BIOL 300 not taken)		
ENGL 492	Seminar in Science Communication	0
MCOM 241, 343, and 370	Media Writ; Feature Writ; Public Relations Principles	9
Technology:		
ARTS 305 or 311	Intro to Photography; Photo Communication	3
CSCI 151	Overview of CSCI	3
MGMT 341 or 355	Info Systems, Business Communication	3
Science Methods/Statistics:		
PSYC 101, 301, and 302 (WRIT 465 or WRIT 566 required with this option)		11-12
OR		
BIOL 203, 204, 205, or 206; and BIOL 300 (oral intensive elective required with this option)		
Additional Science Courses		15-16
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		
Foreign Language Requirement		0-4
General Electives		5-25
Total		124

†Students completing the required program for the BS in Science 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 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.

*Some students may meet Oral Communication in the WRIT core.

The student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 61-66 semester hours of the required program. The student must complete a minimum of 12 semester hours of ENGL and/or WRIT courses in residence at Winthrop University. Within the 124 semester hours required for the BS degree, the student must include a minimum of 40 hours in courses numbered above 299.

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		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
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
Foreign Language		3-4†
Oral Communication		0-3
Technology		
CSCI 101 & 3 of 101A, B, C, or P	Intro to Comp & Info Processing	3

COLLEGE OF ARTS & SCIENCES--ENVIRONMENTAL SCIENCES

Skills for Common Experience and Thinking Across Disciplines

HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives		
GEOG 101 or 201	Human Geography or Geog of World Regions	3
Historical Perspectives	May be met in major; see approved list, p. 16	0-3
Developing Critical Skills and Applying them to Disciplines		
Natural Science	Met in major by BIOL 203/204 and CHEM 101	0
Social Science	May be met in major; see approved list, p. 16	0-6
ECON 103 or 215	Intro to Political Econ, Microeconomics	3
Humanities and Arts	May be met in major; see approved list, p. 16	0-9
Intensive Writing	Met in major by ENVS 520	0
Constitution Requirement	May be met in major; see approved list, p. 16	0-3
Subtotal		28-53
Requirements in the Major		
		31-32
BIOL 203/204	Principles of Biology/Lab	4
ENVS 101, 520	Intro to Environ Issues, Seminar in Environ	6
CHEM 101	Applying Chem to Society	3
Social Science/Humanities Electives (select five courses from the following)		15
ANTH 540, ECON 343, ENVS 510, GEOG 305, HIST 530, PHIL 340, PLSC 325, PSYC 311, SOCL 310		
Science Electives (select one from the following)		3-4
BIOL 205, 206, 303, 304, 323, CHEM 105, GEOG 500, GEOL 110/113, 201, 220, PHYS 105, 201		
Foreign Language		0-4
Minor		15-24
General Electives		11-51
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.

		Semester Hours
General Education Courses		
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Comp; Critical Reading, Thinking, & Writing	6
Quantitative Skills		
MATH 105 or 201	Calc for Mgr & Life Sci; Calculus I	3
Logic/Language/Semiotics		
MATH 141	Finite Probability & Statistics	3
Foreign Language		3-4†
Oral Communication	See approved list, p. 16	0-3
Technology	See approved list, p. 16 – CSCI 101 and three of CSCI 101 A, B, C or P recommended	3
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 in major	0-3
Historical Perspectives	See approved list, p. 16; may be met in major	0-3
Developing Critical Skills and Applying them to Disciplines		
Natural Science	Met in major by BIOL 203/204, GEOL 110	0
Social Science	May be met in major; see approved list	0-9*
Humanities and Arts	May be met in major; see approved list	0-9*
*Must have 15 hours in these two categories and include at least two designators in each.		
Intensive Writing	Met in major by ENVS 520	0
Constitution Requirement	May be met by other requirements; see approved list, p. 38	0-3
Subtotal		22-50
Requirements in the Major		
		45
ENVS 101, 520	Intro to Environmental Issues, Seminar in Environ	6

COLLEGE OF ARTS & SCIENCES--ENVIRONMENTAL SCIENCES

BIOL 203/204	Principles of Biology/Lab	4
BIOL 205 or 206	General Botany, Zoology	4
BIOL 300	Scient Process	4
BIOL 403 or 515	Ecology, Environmental Biol	4
CHEM 105,106/108	General Chem I & II	8
CHEM 301 or 310/311	Organic Chem I, Essential of Organic Chem	4
GEOL 110/113, 340	Physical Geol/Lab, Hydrogeology	7
PHYS 201 or 211	General Physics, Physics with Calculus	4
Science/Math Electives (select from the following, at least 2 designators)		9-13
ANTH 540	Ecological Anthropology	
BIOL 205 or 206	Botany, Zoology	
BIOL 310, 323	Microbiology, Tropical Watershed	
CHEM 302/304	Organic Chemistry II	
CHEM 312/313/314, 315	Chemometrics/Quant Analysis/Lab/Envir Chem	
ENVS 495, 510	Independ Res in Environ, Special Topics	
GEOG 500	Global Environment & Sustainable Development	
GEOL 201, 220, 335	Nat Disasters, Oceanography, Fundamentals of Geochemistry	
MATH 202, 300, 305, 546	Calc II, Linear Algebra, Diff Equa, Appl Stats	
PHYS 202 or 212	Gen Physics II, Physics with Calc II	
Environmental humanities and social sciences electives		12
Select at least three designators from the following:		
ECON 103 or 215, and 343	Polit Econ, Prin of Microecon, Envir Econ	
GEOG 101 or 201, and 305	Human Geography, World Geog, Geog Info Systems	
HIST 530	World Environmental Hist	
PHIL 340	Environmental Ethics	
PLSC 325	Environmental Politics	
PSYC 311	Ecological Psychology	
SOCL 310	Soc of Environ	
Foreign Language Requirement		0-4
General Electives		0-37
Total		124

†Students completing the required program in Environmental 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 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.

HISTORY

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		Semester Hours
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		
MATH 105, 150 or 201 or a MATH course with 201 prerequisite		3

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		
HMPX 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;		
Asia, Africa and Latin America:		
HIST 331, 332, 337, 338, 351, 352, 551, 552, 553, 560, 561.		
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
CRTW 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	0
Technology	0

COLLEGE OF ARTS & SCIENCES--HISTORY CERTIFICATION

Skills for a Common Experience and Thinking Across Disciplines

HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	Met in major HIST 111 or 112	0
Historical Perspectives	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 by major	0
Humanities and Arts	3 hours met in major; select 3 hours from another designator on approved list, p. 16.	3
Intensive Writing	Met by major	0
Constitution Requirement	Met by major	0
Subtotal		29-30

Requirements in the Major

ANTH 201; ECON 215, 216; GEOG 101, 306; PLSC 201, 202; SOCL 101	24
Select 2 from HIST 111, 112, & 113	6
HIST 211, 212, 300, 590	12
HIST electives	15
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	
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;	
Asia, Africa, and Latin America	
HIST 331, 332, 337, 338, 351, 352, 551, 552, 553, 560, 561.	
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.)	
Professional Education Sequence:	33
EDUC 110*, 210*, 250*, 275*, 310*, 390*, 475, 490	29
SCST 391, 392	4
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.

HUMAN NUTRITION**Faculty****Professors**

Sarah F. Stallings
Patricia Giblin Wolman, *Chair*

Associate Professors

R. Carlton Bessinger
E. Jean Silagyi Rebovich

Instructors

Christine H. Goodner
Christopher Storie (Geography)
Judy Harper Thomas

Lecturers

Lauren Brightwell
Lisa Martin
Bryan McFadden (Geography)
Stephanie Nielsen
Mildred Strother-Davis
Alice Sutton
Bryan Townsend (Geography)
Elizabeth Weikle
Leslie Young

**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		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; may be met by major	0-3
Skills for a Common Experience and Thinking across Disciplines		
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
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 (must include two designators)		
SOCL 201 or ANTH 201	Princ of Soc or Cultural Anthropology	3
PSYC 101	General Psychology	3
ECON 215	Microeconomics	3

Humanities and Arts		6
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		66-68
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	Acct info for Bus Decisions I	3
Foreign Language Requirement		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		6
Select at least two courses from two different subject areas. See approved list, p. 16.		
Intensive Writing		
NUTR 534	Seminar in Human Nutrition	3

COLLEGE OF ARTS & SCIENCES--HUMAN NUTRITION/FOOD SYSTEMS MANAGEMENT

Constitution Requirement	See approved list, p. 16	0-3
Subtotal		53-60
Requirements in Major		68
NUTR 227, 231/232, 370, 421, 427, 428, 521, 523/524, 527		27
BIOL 307, 308, 310	Human Anatomy, Physiology, Microbiology	12
CHEM 106/108, 301, 302/304, 521	Gen Chem, Organic Chem I & II, Nutri Biochem	15
PHYS 201, 202	General Physics I & II	8
PSYC 206	Developmental Psychology	3
ACCT 280	Accounting Info for Business Decisions	3
Foreign Language Requirement		0-4
General Electives		0
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
(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		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		
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.

COLLEGE OF ARTS & SCIENCES--MASS COMMUNICATION

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
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		47-51
Requirements in Major		37-41
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		0-4
Minor		15-24
General Electives		4-25
Total		124

†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.

COLLEGE OF ARTS & SCIENCES--INTEGRATED MARKETING COMMUNICATION

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.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
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
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		3
HIST 212 or 308 or 507 or 509		3
Developing Critical Skills and Applying them to Disciplines		
Social Science		
PSYC 101, ECON 215	Gen Psyc, Prin of Microecon	6
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	3
CSCI 101 & CSCI 101A, B & C	Intro to Comp & Information Processing	3
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.

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		Semester Hours
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		
	Met by major	0
Logic/Language/Semiotics		
Foreign Language		3-4†
Oral Communication		
	See approved list, may be met by other requirements	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		
	See approved list, p. 16	3
Historical Perspectives		
	See approved list, p. 16	3
Developing Critical Skills and Applying them to Disciplines		
Natural Science		
	See approved list, p. 16; from 2 categories & 1 must be a lab science	7
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 a total of 15 hours in these two categories.		
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		41-51
Requirements in the Major		44
MATH 201, 202, 300, 301, 310, 341, 351, 400, 509, 541		32
Select 3 additional hours from MATH 305 or 355		3
CSCI 151, 207	Overview of Comp Sci, Intro to Comp Sci I	7
MAED 200, 400	Intro to Mathematica, Assessment Capstone	2
Minor		15-24
Foreign Language Requirement		0-4
General Electives		4-19
Total		124

†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.

General Education Courses		Semester Hours
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		
	Met by major	0
Logic/Language/Semiotics		
Foreign Language		3-4†
Oral Communication		
	Met by major	0
Technology		
	Met by major	0
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 and Applying them to Disciplines		
Natural Science		
	See list, p. 16; from 2 categories & 1 must be a lab science	7
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 a total of 15 hours in these two categories.		
Intensive Writing		
	Met by major	0
Constitution Requirement		
	See approved list, p. 16; may be met by other requirements	0-3
Subtotal		41-45
Requirements in Major		
		48
MATH 201, 202, 300, 301, 310, 341, 351, 509, 520, 541		33
Select 3 additional hours from MATH 305 or 355		3
CSCI 151, 207	Overview of Comp Sci, Intro to Comp Sci I	7
MAED 200, 400, 548	Intro to Mathematica, Assess Capstone, Sec Math Curr	5
Professional Education Sequence		
		33
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
General Electives		
		0-6
Total		124-130

†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)

COLLEGE OF ARTS & SCIENCES--BS MATHEMATICS

of service in the Winthrop Mathematics Tutorial Center while enrolled in MAED 548.

- 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:

- Meet all requirements specified by the College of Education.
- Must have a grade of C or better in MATH 520, EDUC 310, and MAED 391, as well as an S in MAED 392..
- 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.
- 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).
- 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		Semester Hours
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		
	Met by major	0
Logic/Language/Semiotics		
Foreign Language		3-4†
Oral Communication		
	See approved list, p. 16	0-3
Technology		
	Met by major	0
Skills for a Common Experience and Thinking Across Disciplines		
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
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*
*Must have a total of 15 hours in these two categories.		
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 student must attain a cumulative grade-point average of 2.0 or better in courses taken at Winthrop and included in the 67 hours of the required program. The student must complete a minimum of 12 semester hours of MATH courses in residence at Winthrop University. 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 Science in Mathematics - Certification as Secondary School Teacher

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		Semester Hours
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		
	Met by major	0
Logic/Language/Semiotics		
Foreign Language	See additional requirements in major	3-4†
Oral Communication		
	Met by major	0
Technology		
	Met by major	0
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 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*
*Must have a total of 15 hours in these two categories.		
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		33
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,

COLLEGE OF ARTS & SCIENCES--MODERN LANGUAGES

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.

MODERN LANGUAGES

Faculty

Professors

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

Associate Professors

Barbara Esquival-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

General Education Courses		Semester Hours
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		
MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language	Met by major	0

COLLEGE OF ARTS & SCIENCES--MODERN LANGUAGES/SPANISH

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; may be met by major 3
Historical Perspectives	See approved list, p. 16 3
Developing Critical Skills Applying them to Disciplines	
Natural Science	See approved list, p. 16; select from 2 categories and one must be a lab science 7
Social Science	See approved list, p. 16; select from 2 designators 6-9*
Humanities and Arts	See approved list, p. 16; select from 2 designators 6-9*
*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 0-3
Constitution Requirement	See approved list, p. 16; may be met by other requirement 0-3
Subtotal	44-56
Requirements in Major	35-37
FREN 201, 202, 250, 301 or 302, 310, 401 or 402, 499	19
FREN electives above 202 (excluding 575; may include MLAN 330A or 530A)	7
FREN 500-level electives	3
Second Foreign Language (excluding 575)	6-8
Minor	15-24
General Electives	7-30
Total	124

Bachelor of Arts in Modern Languages – Spanish

General Education Courses	Semester Hours
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	
MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite	3
Logic/Language/Semiotics	
Foreign Language Met by major	0
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	Met by major 0
Historical Perspectives	
HIST 351 or HIST 352 Latin Am Hist, Hist of US-Latin Am Relations	3
Developing Critical Skills applying them to Disciplines	
Natural Science --See approved list; select from 2 categories and one must be a lab science)	7
Social Science	See approved list, p. 16; select from 2 designators 6-9*
Humanities and Arts	See approved list, p. 16; select from 2 designators 6-9*
*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 0-3
Constitution Requirement	See approved list, p. 16; may be met by other requirement 0-3
Subtotal	41-53
Requirements in Major	38-40
SPAN 201, 202, 225, 250, 301 or 302, 310, 401 or 402, 499	22
SPAN electives (above 202, excluding 575, may include MLAN 330B or 530B; must include at least three hours at the 500-level)	10
Second Foreign Language	6-8
Minor	15-24
General Electives (15 sem hours of study abroad in a Spanish Speaking country recommended)	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.

COLLEGE OF ARTS & SCIENCES--MODERN LANGUAGES/CERTIFICATION

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		Semester Hours
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		
MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language	Met by major	0
CSCI; PHIL 220-225; SPCH 201; MATH; QMTH; ARTS 281 or VCOM 261		3
Oral Communication	Met by major	0
Technology	Met by major	0
Skills for a Common Experience and Thinking across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives	Met by major for Spanish; French, see approved list, p.16	0-3
Historical Perspectives	See approved list, p. 16	3
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	See approved list, p. 16; must include 2 designators	6-9*
Humanities and Arts	Select at least 2 courses from 2 different subj areas	6-9*
*A total of 15 hours must be taken from these two areas.		
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		41-50
Requirement in Major (Select one emphasis from the following.)		35-37
French Emphasis: FREN 201, 202, 250, 301 or 302, 310, 401 or 402, 499		19
Select courses from FREN above 202 to include at least 3 hours at the 500 level		10
Electives in a second foreign language (excluding 575)		6-8
Spanish Emphasis: 201, 202, 225, 250, 301 or 302, 310, 401 or 402, 499		19
Select courses from SPAN above 202 to include at least 3 hours at the 500 level		10
Electives in a second foreign language (excluding 575)		6-8
Professional Education Sequence		33
EDUC 110**, 210**, 250**, 275**, 310**~, 390**~, 475~, 490~		29
MLAN 391~, 392~	Prin of Teach and Field Exp in Teach Mod Lang	4
General Electives		4-15
Total		124

**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		Semester Hours
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		
MATH 105 or 150 or 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†
PHIL 220 or 225	Met by major requirements	0
Oral Communication		
	See approved list, p. 16; may be met by another requirement	0-3
Technology		
	See approved list, p. 16; may be met by another requirement	0-3
Skills for a Common Experience and Thinking Across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives		
	Met by major requirements	0
Historical Perspectives		
	Met by major requirements	0
Developing Critical Skills Applying them to Disciplines		
Natural Science	Select from 2 categories and one must be a lab science	7
Social Science	See approved list, p. 16; must include 2 designators	6
Humanities and Arts	Met in major	0
Intensive Writing	Met in major	0
Constitution Requirement	See approved list, p. 16; may be met by another requirement	0-3
Subtotal		29-39
Requirements in Major		
		18
PHIL 220	Logic and Language	3
RELG 201	Intro to Religious Studies	3
PHIL 301 or 302	Hist of Phil: Ancient Period/Modern Period	3
RELG 300	World Religions	3
PHIL/RELG 390	Philosophy of Religion	3
PHIL 495 or RELG 495	Meth & Research in Philosophy/Religion	3
Select from one of three tracks:		
A. Philosophy Track		18
Core Philosophy (6 hours)		
PHIL 310	Theories of Knowledge	3
PHIL 312	Metaphysics	3
Historical Development (3-6 hours)		
PHIL 301	Hist of Phil: Ancient Period (if not taken in major req.)	3

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

Lecturers

Katarina Moyon
 Meredith Petersheim
 David Vehaun

Associate Professors

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

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		Semester Hours
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		
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 Technology	May be met in major See approved list, p. 16; may be met by another req	0-3 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		30-36
PLSC 201	American Government	3
PLSC 350	Scope and Methods	3
PLSC 490, 450H, or HONR 450H	Sr Capstone, Thesis Research	3
American Government		
Select from PLSC 202, 302, 305, 306, 307, 310, 311, 312, 313, 314, 315, 317, 371, or 518		3
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		0-3
Select from PLSC 260, 307, 337, 470, 471, 472, 473, 501, 502, 503 or 514 (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	Semester Hours	
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		
MATH 105 or 150 or 201 or a MATH with 201 as a prerequisite		3
Logic/Language/Semiotics		
Foreign Language		3-4†

COLLEGE OF ARTS & SCIENCES--POLITICAL SCIENCE/CERTIFICATION

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 101 or 303 or 304 or 306;		
HIST 211, 212, and 2 of 111, 112, 113; SOCL 101		30
American Government		
Select from PLSC 202, 302, 305, 306, 307, 310, 311, 312, 313, 314, 315, 317, 371 or 518		3
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, 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		Semester Hours
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		
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		
HMPX 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		30-36
PLSC 201, 202, 321, 323, 350, 473		18
Select from PLSC 302, 315, 320, 325, 512, or 524H		3
Select from PLSC 490, 450H, or HONR 450H		3
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		0
Met by PLSC 473	Academic Internship in PLSC	
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.

COLLEGE OF ARTS & SCIENCES--PRE-PROFESSIONAL PROGRAMS
PRE-PROFESSIONAL PROGRAMS

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.

COLLEGE OF ARTS & SCIENCES--PSYCHOLOGY

General Education Courses		Semester Hours
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		
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		
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
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		36
Foundations--PSYC 101, 198	Gen Psychology, Psyc as Discipline & Profes	4
Experimental Sequence--PSYC 301, 302	Statistics & Research Methods	8
SR Capstone Exper--PSYC 400, 463 or 498	Hist & Sys of PSYC, Internship, SR Seminar	3
Core Courses--Choose 3 of 6: PSYC 206, 305, 313, 335, 409, 508		9
PSYC Electives (courses numbered above 299)		12
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.

- g) 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		Semester Hours
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		
MATH 105 or 150, 201 or a MATH course with 201 as a prerequisite		3
Logic/Language/Semiotics	3 hours met in major; additional 3 hours may be met by QMTH 205 or MATH 141	0-3
Oral Communication	See approved list; may be met by another req	0-3
Technology	Met in major requirements by CSCI 101, & 101A, B, C	0
Skills for a Common Experience & Thinking Across Disciplines		
HMPX 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	Lab course with 2nd designator; 3 met in major	4
Social Science	Met in major	0
Humanities & Arts	See approved list, p. 16; must include 2 designators	6
Intensive Writing	Met in major	0
Constitution Requirement	Met in major	0
Subtotal		26-32
Requirements in the Major		
ANTH 201	Cultural Anthropology	3
CSCI 101, 101A, B, & C	Intro to Comp & Info Processing	3
ECON 103	Introduction to Political Economy	3
MATH 141 or SOCL 316 or QMTH 205	Statistics	3-4
PLSC 201	American Government	3
PSYC 101	General Psychology	3
SCIE 301 or BIOL 150/151	Biology of Aging, Elements of Living Systems	3-4
SCWK 200/201, 305, 306, 321, 330, 395, 432, 433, 434, 443, 463		42
SCWK electives (not to include SCWK 202)		6
SOCL 201	Principles of Sociology	3
General Electives		18-26
Total		124

COLLEGE OF ARTS & SCIENCES--SOCIOLOGY

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		Semester Hours
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		
MATH 105 or 150, 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 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	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		40-57
Requirements in Major		33
SOCL 101 or 201, and 316**, ANTH/SOCL 302, SOCL 516 & 598		15
Additional hours of SOCL		12-18
Additional hours of ANTH***		0-6

Minor	15-24
Foreign Language Requirement	0-4
General Electives	6-36
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 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/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 Criminology**

General Education Courses	Semester Hours
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	
MATH 105 or 150, 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	0-3
See approved list, p. 16; may be met by another req	
Technology	0-3
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?	3
Global Perspectives	3
See approved list, p. 16	
Historical Perspectives	3
See approved list, p. 16	
Developing Critical Skills Applying them to Disciplines	
Natural Science --Select from two categories and one must be a lab science	7
Social Science	3-6*
3-6 met in major, 3 from another designator	
Humanities and Arts	6-9*
Must have at least 2 subject designators	
*Must have a total of 9-12 hours in these two categories	
Intensive Writing	0-3
See approved list, p. 16; may be met by another req	
Constitution Requirement	0-3
PLSC 201 recommended	
Subtotal	41-54
Requirements in Major	33
SOCL 101 or 201; 227, 316**, ANTH/SOCL 302; SOCL 325, 516, & 598	21
Six hours from: SOCL 330, 335, 337, or 525	6
Additional hours of SOCL	3-6
Additional hours of ANTH***	0-3
(must have a total of 6 hours in SOCL or ANTH electives)	

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		Semester Hours
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		33
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

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.

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 (which may not be Anthropology), 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.

SPEECH**Faculty****Professor**Sarah F. Stallings, *Acting Chair***Instructor**Christa Kea
Bonnye Stewart**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 Education Courses		Semester Hours
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		
MATH 105 or 150, 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		
	Met by major	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		
	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		6-9*
	See approved list, p. 16; must include two designators	

COLLEGE OF ARTS & SCIENCES--SPEECH/GENERAL COMMUNICATION DISORDERS

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

**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 follows:

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

COLLEGE OF BUSINESS ADMINISTRATION

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 Ullrich

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, or 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		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition; Crit Reading, Thinking, Writing	6
Quantitative Skills		
MATH 105 or MATH 201	Calc for Managerial and Life Sci or Calculus I	3
Technology		0*
Oral Communication		0*
WRIT 465	Preparation of Oral & Written Reports	
Logic/Language/Semiotics		
QMTM 205, 206	Applied Statistics I & II	6
CSCI 101 and CSCI 101B and 101C and either CSCI 101A or 101P	Comp & Info Processing; Microsoft Excell & Access Frontpage, Powerpoint; Programming	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		
ECON 215, ECON 216, PSYC 101	Microeconomics, Macroeconomics, Gen Psychology	9
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Natural Science		7
Choose from list of approved courses, p. 16; must include a lab science; must include two designators and designators must come from two of the three different science categories		
Intensive Writing		
WRIT 465	Preparation of Oral & Written Reports	0*
Constitution Requirement	See approved list, p. 16	0-3 ¹
Subtotal		50-55
Business Administration Program Requirements		36
Business Requirements		
ACCT 280	Accounting Info for Business Decisions I	3
ACCT 281	Accounting Info for Business Decisions II	3
WRIT 465	Preparation of Oral and Written Reports	3
Core Courses**		
BADM 180	Contemporary Business Issues	3
MGMT 321	Principles of Management	3
MKTG 380	Principles of Marketing	3
MGMT 355	Business Communication - Oral Intensive	3
MGMT 326	Operations Management	3
MGMT 341	Information Systems	3
FINC 311	Principles of Finance	3
BADM 350	Econ and Legal Environment of Organization	3
MGMT 480	Business Policy	3
Business Option Requirement; choose one of the following:		18-27**
ACCT, page 66		
CIFS, page 66		
ECON, page 66		
ENTR, page 67		
FINC, page 67		
GBUS, page 67		
HCMT, page 68		
HRMG, page 68		
INBU, page 68		
MGMT, page 69 (If MGMT 529 is used to meet the Global Requirement, student may take free electives to satisfy graduation requirements.)		
MKTG, page 69 (If MKTG 581 is used to meet Global Requirement, student may take free electives to satisfy graduation requirements)		
Electives (Number varies depending on hours required for option.)		6-20²
Total		124

* Course credit included in another category

**Must earn C- or better in each Business Core and Option course.

¹ A course that satisfies the Constitution Requirement may be counted in another area.

² Electives sufficient to accumulate at least 124 hours.

Bachelor of Science in Business Administration - Accounting Option

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

Bachelor of Science in Business Administration - Computer Information Systems Option

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

Bachelor of Science in Business Administration - Economics Option

General Education, see page 65		50-55
Business Requirements and Core, see page 65		36
Economics Option		18
ECON 315	Microeconomic Theory	3
ECON 316	Macroeconomic Theory	3
ECON 335	Money and Banking	3
Three of any ECON above 299		9
Electives		15-20
Total		124

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
BADM501	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, HCMT, 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

COLLEGE OF BUSINESS ADMINISTRATION--HEALTH CARE MGMT/HUMAN RESOURCE MGMT/INT'L BUSINESS
Bachelor of Science in Business Administration - Health Care Management Option

General Education, see page 65		50-55
Business Requirements and Core, see page 65		36
Health Care Management Option		21
HCMT 200	Intro to Health Care Mgmt	3
HCMT 300	The Health Care Manager	3
HCMT 302	Health Care Planning & Marketing	3
HCMT 303	Health Care Organizations & the Legal Environ	3
HCMT 491	Health Care Management Internship	3
HCMT 492	Econ & Health Care Finance	3
HCMT 493	Seminar in Health Care Management	3
Required internship to be taken summer between Jr & Sr year.		
Electives		12-17
Total		124

Bachelor of Science in Business Administration - Human Resource Management Option

General Education, see page 65		50-55
Business Requirements and Core, see page 65		36
Human Resource Management Option		18
MGMT 325	Organizational Theory and Behavior	3
MGMT 422	Human Resources Management	3
MGMT 425	Training and Development	3
MGMT 523	Collective Bargaining and Labor Relations	3
MGMT 524	Employment Law	3
MGMT 526	Compensation and Benefits Analysis	3
Electives		15-20
Total		124

Bachelor of Science in Business Administration - International Business Option

General Education, see page 65		50-55
Business Requirements and Core, see page 65		36
International Business Option		18
ECON 521	International Trade & Investment	3
FINC 514	International Financial Management	3
MGMT 529	International Management	3
MKTG 581	Marketing for Global Competitiveness	3
One of:		
BADM 492	Internship in International Business	3
BADM 400	International Field Experience	
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		
Electives		15-20
Total		124

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.

COLLEGE OF BUSINESS ADMINISTRATION--MANAGEMENT/MARKETING/COMPUTER SCIENCE
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
MGMT 422	Human Resources Mgmt
MGMT 475	Leadership Theory and Development
MGMT 575 or PHIL 575	Business Ethics
Two of:	
ENTR 373	Introduction to Entrepreneurship
BADM 561	Electronic Commerce
MGMT 491	Internship in Management
MGMT 529	International Management
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
MKTG 481	Promotion Management
MKTG 482	Marketing Research
MKTG 489	Marketing Strategy
Two of:	
BADM 561	Electronic Commerce for Managers
MKTG 382	Retailing
MKTG 483	Sales and Relationship Marketing
MKTG 491	Internship in Marketing
MKTG 581	Marketing for Global Competitiveness
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		Semester Hours
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 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
QMTM 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 ¹
Humanities and Arts	See approved list, p. 16; must have at least 2 designators	6-9 ¹
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 ²
Additional Math and Science Requirements		
MAED 200	Introduction to Mathematica	1
MATH 202	Calculus II	4
MATH 261	Foundations of Discrete Mathematics	3
A MATH course over 299		3
Subtotal		
		72-75
Computer Science Program Requirements		
		35
CSCI 211	Intro to Assembly Language and Comp Architecture	3
CSCI 271	Algorithm Analysis and Data Structures	3
CSCI 311	Computer Architecture and Organization	3
CSCI 371	Theoretical Foundations	3
CSCI 411	Operating Systems	3
CSCI 431	Organization of Programming Languages	3
CSCI 475	Software Engineering I	3
CSCI 476	Software Engineering II	3
CSCI courses numbered above 299 (excluding CSCI 514, max 3 hrs from combination of 471 and 491)		9
Choose two different courses from: CSCI 291, 292, 293, 295, 297, 392, 395 or 398		2
<i>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.</i>		
Second Discipline		
		0-24 ³
Choose one of the following or a minor (other than CSCI):		
<i>Information Systems: ACCT 280-281, 303 or 309; MGMT 321, and one of FINC311, MKTG 380</i>		
<i>Physics and Mathematics: PHYS 301, and one of PHYS 315, 321, or 350; MATH 301, 302, and 305</i>		
Electives		
		0-17 ⁴
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.

COLLEGE OF BUSINESS ADMINISTRATION--ECONOMICS
Bachelor of Arts in Economics

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.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition; Crit Reading, Thinking, Writing	6
Quantitative Skills		
MATH 105 or MATH 201	Calc for Managerial and Life Sci or Calculus I	3
Technology		
CSCI 101 or CSCI 110 or CSCI 101and CSCI 101B and 101C and either CSCI 101A or 101P	Comp & Info Processing; Microsoft Excell & Access Frontpage, Powerpoint; Programming	3
Oral Communication		
WRIT 465	Preparation of Oral & Written Reports	3
Logic/Language/Semiotics		
QMTM 205, 206	Applied Statistics I & II	6
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		
ECON 215, ECON 216	Microeconomics, Macroeconomics	0*
Choose from approved list of courses, p. 16; may not use ECON designator		3
Humanities and Arts		
	See approved list, p. 16; must include 2 designators	6
Natural Science		
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)		7
Intensive Writing		
		0**
Constitution Requirement		
	See approved list, p. 16	0-3
Subtotal		
		46-52
Economics Courses		
ECON 215	Prin of Microeconomics	3
ECON 216	Prin of Macroeconomics	3
ECON 315	Microeconomic Analysis	3
ECON 316	Macroeconomic Analysis	3
Five courses from: ECON above 299		15
One course from: PLSC 320, 321, 323, or GEOG 302		3
Minor		
		12-24***
Electives		
		20-36
Total		
		124

*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.

Bachelor of Science in Digital Information Design with a concentration in Digital Commerce

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
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		
HMXP 102	The Human Experience: Who Am I?	3
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
	Choose from approved list of courses, p. 16;	0-3
Humanities and Arts		
	See approved list, p. 16; must include 2 designators	6-9
Natural Science		
	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)	7
Intensive Writing		
	Met with WRIT 465	0
Constitution Requirement		
	See approved list, p. 16	0-3
Subtotal		44-47
Information Design Core		28
CSCI 101 & 101 A, F & P	Intro to Comp & Info Proc; Windows, Photoshop, C++	3
DIFD 141	Introduction to Web Application Design	4
DIFD 151	Introduction to Information Design	1
VCOM 262	Introduction to Web Design	3
DIFD 211	Communication Theory and the Internet	3
DIFD 351	Information Design Seminar: Special Topics	1
DIFD 321	Information Systems and Organizations	3
DIFD 322	Visual Design of Complex Systems	4
DIFD 415	Law and Ethics for Digital Media	3
DIFD 451	Senior Synthesis	3
Digital Commerce Concentration		37
MATH 101	Pre-Calculus	3
CSCI 101 B & C	Microsoft Excel & Access	1
ACCT 280	Accounting Info for Bus Decisions I	3
QMTM 205 & 206	Applied Statistics I and II	6
MKTG 380	Principles of Marketing	3
MKTG 482	Marketing Research	3
MGMT 341	Information Systems	3
BADM 561	Electronic Commerce for Managers	3
MCOM 260	Writing for Interactive Media	3
MCOM 341	Advertising Principles	3
	Choose 2 courses from the following:	
MKTG 381, 382, 481, 581		6
Electives		12
Total		124

COLLEGE OF BUSINESS ADMINISTRATION--DIGITAL INFORMATION DESIGN/DIGITAL MASS MEDIA
Bachelor of Science in Digital Information Design with a concentration in Digital Mass Media

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition; Crit Reading, Thinking, Writing	6
Quantitative Skills		
MATH 150 (recommended), or a MATH course that includes Calculus or has Calc as a prerequisite		3
Technology	Met in major	0
Oral Communication		
SPCH 201	Public Speaking	3
Logic/Language/Semiotics	Met in major	0
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		
HIST 212	US History since 1877	3
Developing Critical Skills and Applying them to Disciplines		
Social Science		
ECON 215, PSYC 101	Microeconomics, General Psychology	6
PLSC 202	State and Local Government	3
Humanities and Arts	See approved list, p. 16; must include 2 designators	6
Natural Science		7
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)		
Intensive Writing	Met in major	0
Constitution Requirement	See approved list, p. 16	0-3
Subtotal		44-47
Information Design Core		
CSCI 101 & 101 A, F & P	Intro to Comp & Info Proc; Windows, Photoshop, C++	3
DIFD 141	Introduction to Web Application Design	4
DIFD 151	Introduction to Information Design	1
VCOM 262	Introduction to Web Design	3
DIFD 211	Communication Theory and the Internet	3
DIFD 351	Information Design Seminar: Special Topics	1
DIFD 321	Information Systems and Organizations	3
DIFD 322	Visual Design of Complex Systems	4
DIFD 415	Law and Ethics for Digital Media	3
DIFD 451	Senior Synthesis	3
Digital Mass Media Concentration		30-31
MCOM 241	Media Writing	3
MCOM 260	Writing for Interactive Media	3
MCOM 341	Advertising Principles	3
MCOM 346	Television Production	3
MCOM 441	Reporting Public Affairs	3
VCOM 261	Electronic Image Making	3
VCOM 363	Multimedia Design I	3
MATH 141 or equivalent	Finite Probability & Statistics	3
Choose 2 courses from the following (Internship optional)		
MCOM 333, 345, 349, 471, 491, 492, 493		6-7
Electives		21-22
Total		124

COLLEGE OF BUSINESS ADMINISTRATION--DIGITAL INFORMATION DESIGN/INTERACTIVE MEDIA
Bachelor of Science in Digital Information Design with a concentration in Interactive Media

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition; Crit Reading, Thinking, Writing	6
Quantitative Skills		
MATH 150 (recommended), or a MATH course that includes Calculus or has Calc as a prerequisite		3
Technology		
	Met in major	0
Oral Communication		
WRIT 465	Preparation of Oral and Written Reports	3
Logic/Language/Semiotics		
	Met in major	0
Skills for Common Experience and Thinking Across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives		
	See approved list, p. 16	3
Historical Perspectives		
	Met in major	0
Developing Critical Skills and Applying them to Disciplines		
Social Science		
ANTH 201, PSYC 101	Intro to Cultural Anthropology, General Psychology	6
SOCL 201	Principles of Sociology	3
Humanities and Arts		
	See approved list, p. 16; must include 2 designators	6
Natural Science		
	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)	7
Intensive Writing		
	Met with WRIT 465	0
Constitution Requirement		
	See approved list, p. 16	3
Subtotal		44
Information Design Core		28
CSCI 101 & 101 A, F & P	Intro to Comp & Info Proc; Windows, Photoshop, C++	3
DIFD 141	Introduction to Web Application Design	4
DIFD 151	Introduction to Information Design	1
VCOM 262	Introduction to Web Design	3
DIFD 211	Communication Theory and the Internet	3
DIFD 251	Information Design Seminar: Special Topics	1
DIFD 321	Information Systems and Organizations	3
DIFD 322	Visual Design of Complex Systems	4
DIFD 415	Law and Ethics for Digital Media	3
DIFD 451	Senior Synthesis	3
Interactive Media Concentration		49.5
ARTH 176	Intro to Art History from Renaissance to Present	3
ARTH 274/VCOM 374	History of Graphic Design and Illustration	3
CSCI 101C	Microsoft Access	0.5
CSCI 241 & 242	Client/Server Programming for the World Wide Web I & II	7
VCOM 120	Rapid Visualization Drawing	3
VCOM 150	Design Studio Skills	3
VCOM 151	Design Fundamentals	3
VCOM 154	Design and Color	3
VCOM 261	Electronic Image Making	3
VCOM 300	Specialization Portfolio Review	0
VCOM 354	Visual Communication Design I	3
VCOM 362	Interactive Media	3
VCOM 363	Multimedia Design I	3
VCOM 462	Interface Design in Alternative e-media	3
VCOM 463	Multimedia Design II	3
	Choose two courses within the following groups:	6
	Mass communication: MCOM 260 & 341	
	Music: MUST 531 & 532	
	Illustration/Graphic Design: VCOM 222, 355, 358, 361	
Electives		2.5
Total		124

COLLEGE OF BUSINESS ADMINISTRATION--DIGITAL INFORMATION DESIGN/WEB APPLICATION DESIGN
Bachelor of Science in Digital Information Design with a concentration in Web Application Design

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		
WRIT 101, CRTW 201	Composition; Crit Reading, Thinking, Writing	6
Quantitative Skills		
MATH 150 (recommended), or a MATH course that includes Calculus or has Calc as a prerequisite		3
Technology	Met in major	0
Oral Communication		
WRIT 465 or CSCI 327	Preprof Oral & Written Reports, Soc Implications of Comp	3
Logic/Language/Semiotics	Met in major	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		
Social Science		
PSYC 101	General Psychology	3
Electives	See approved list, p. 16	3-6*
Humanities and Arts	See approved list, p. 16; must include 2 designators	6-9*
*Must take 15 hours from these two categories		
Natural Science	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)	7
Intensive Writing	Met with WRIT 465 or CSCI 327	0
Constitution Requirement	See approved list, p. 16	0-3
Subtotal		44
Information Design Core		28
CSCI 101 & 101 A, F & P	Intro to Comp & Info Proc; Windows, Photoshop, C++	3
DIFD 141	Introduction to Web Application Design	4
DIFD 151	Introduction to Information Design	1
VCOM 262	Introduction to Web Design	3
DIFD 211	Communication Theory and the Internet	3
DIFD 351	Information Design Seminar: Special Topics	1
DIFD 321	Information Systems and Organizations	3
DIFD 322	Visual Design of Complex Systems	4
DIFD 415	Law and Ethics for Digital Media	3
DIFD 451	Senior Synthesis	3
Web Application Design Concentration		35
MATH 101	Algebra and Trigonometry for Calculus	3
QMTM 205	Applied Statistics I	3
CSCI 101B & C	Microsoft Excel and Access	1
CSCI 241 & 242	Client/Server Programming for the World Wide Web I & II	7
CSCI 475 & 476	Software Engineering I & II	6
CSCI 521	Software Project Management	3
CSCI 441	Web Application Design and Development	3
CSCI 355	Database Processing	3
VCOM 363	Multimedia Design I	3
VCOM 462	Interface Design in Alternative e-media	3
Electives		17
Total		124

The Richard W. Riley College of Education

Jemie 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	Music, Grades K - 12
Dance, Grades K - 12	Science, Grades 9 - 12
English, Grades 9 - 12	Biology
Modern Languages, Grades K - 12	Social Studies, Grades 9 - 12
French	History
Spanish	Political Science
Mathematics, Grades 9 - 12	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. Rebecca 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:

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 Excep & Diverse Learners	3
EDUC 390	Core Issues in Teacher Education	3
AREA 391	Principles of Teaching (Content)	3
AREA 392	Field Experience in Teaching (Content)	1
EDUC 475	Internship in Reflective Practice	10
EDUC 490	Capstone for Educational Leaders	2
Total Credits		33

Suggested sequence

EDUC 110	Freshman year	EDUC 390	Senior year - Fall only
EDUC 210	Sophomore year - Fall	AREA 391	Senior year - Fall only
EDUC 250	Sophomore year - Spring	AREA 392	Senior year - Fall only
EDUC 275	Sophomore year	EDUC 475	Senior year - Spring
EDUC 310	Junior year	EDUC 490	Senior year - Spring

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

RICHARD W. RILEY COLLEGE OF EDUCATION

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
Steveda 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

Abigail Armstrong
Natalie Kotowski
Rebecca O. Malambri
Suzanne Okey
Beth Peters
Melanie Powley
Mary F. Watson

RICHARD W. RILEY COLLEGE OF EDUCATION--EARLY CHILDHOOD EDUCATION
Bachelor of Science in Early Childhood Education

General Education Courses		Semester hours
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	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		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives		
GEOG 101	Human Geography	3
Historical Perspectives		
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		66
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		Semester Hours
ACAD 101	Principles of the Learning Academy	1
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		
ELEM 391	Prin of Teaching Elem School: Grades K-6	0
Logic/Language/Semiotics		
MATH 291* and 292*	Basic Number Concepts; Num, Msmt, Geom for Teachers	6
MATH 393*	Algebra, Data Analysis, & Geom Concepts for Teachers	3
Skills for Common Experience and Thinking Across Disciplines		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives		
GEOG 101*	Human Geography	3
Historical Perspectives		
HIST 211*, 212* or 308*	United States History or American Ethnic History	3
Developing Critical Skills and Applying them to Disciplines		
Social Science		
SOCL 201* & ANTH 201*	Prin of Sociology & Cult Anthropology	6
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 elective	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
GEOL 210, GEOL 220, PHYS 253, BIOL 101 or 106		3
Intensive Writing		
READ 322**	Elementary and Middle School Lang Arts Lab	0
Professional Education Sequence		63
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 293	Lab Experiences in Public School	3
ELEM 341***~	Teach Social Studies in the Elementary School	3
ELEM 391~	Prin. of Teaching Elem School: Grades K-6	3
ELEM 392~	Field Experience in Teaching Elem	1
ELEM 431***~	Teach Science in Elementary School	3
ELEM 436***~	Teaching Math in the Elementary School	3
HLTH 303~	Health Education	2
PHED 261	Movement & Fit Act for Teach of Child Ages 6-12	1
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
READ 571***~	Diagnostic & Prescriptive Teach of Read	3
DCED 351	Dance for the Elementary Classroom	1
THED 351	Theatre for the Elementary Classroom	1
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

RICHARD W. RILEY COLLEGE OF EDUCATION--MIDDLE LEVEL EDUCATION
Bachelor of Science in Middle Level Education
English/Language Arts and Math

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		Semester Hours
ACAD 101	Principles of the Learning Academy	1
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		39
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		30
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

RICHARD W. RILEY COLLEGE OF EDUCATION--MIDDLE LEVEL EDUCATION

Choose one:		3
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	3
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 546	Applied Statistics for the Sciences	3
MATH 291, MATH 292, MATH 393		9
Required Methods		
MAED 391	Principles of Teaching Mathematics	3
Elective		0-1
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 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		Semester Hours
ACAD 101	Principles of the Learning Academy	1
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		39
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		30
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
ENGL 519	Adolescent Literature	3
ENGE 391	Princ of Teaching Engl in Mid & Secon Schools	3
Choose one:		3
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		30
Basic Concentration		8
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		15
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		4
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	3
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.**

General Education		Semester Hours
ACAD 101	Principles of the Learning Academy	1
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	Prin of Teaching Engl in Middle & Second Schools	0
Logic/Language/Semiotics		
One semester of foreign language		
Consult adviser and list		6
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
HIST 212 (Historical)	US History since 1877	0
Developing Critical Skills and Applying them to Disciplines		
Social Sciences		
PLSC 201 or 202	American Govt, State & Local Govt	0
GEOG 101	Human Geography	0
Humanities and Arts		
ENGL 203	Major British Authors	0
ENGL 211	Major American Authors	0
HIST 111	World Civilizations to 950	0
Natural Science	Consult adviser and list, p. 16	7
Intensive Writing		
WRIT 350	Introduction to Composition Theory & Pedagogy	0
Constitution Requirement		
HIST 211	US History to 1877	0
Professional Education Sequence		39
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		30
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

RICHARD W. RILEY COLLEGE OF EDUCATION--MIDDLE LEVEL EDUCATION

Choose one:		3
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	3
Required Methods		
ENGE 391	Prin of Teaching Engl in Middle & Second Schools	3
Social Studies		30
HIST 111	World Civilizations to 950	3
HIST 112	World Civilizations 950-1750	3
HIST 211	US History to 1877	3
HIST 212	US History since 1877	3
HIST 505	History of South Carolina	3
PLSC 201 or 202	American Govt, State & Local Govt	3
ECON 215 or 216	Princ of Microeconomics, Prin of Macroeconomics	3
GEOG 101	Human Geography	3
Select one from the following list:		3
SOCL 101	Social Problems & Social Policy	
SOCL 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	3
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*

Bachelor of Science in Physical Education - Teacher Certification

		Semester Hours
General Education		
ACAD 101	Principles of the Learning Academy	1
Critical Skills		15-24
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 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		9
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives	Select from approved list, p. 16	3
Historical Perspectives	May be met with HIST 211	3
Developing Critical Skills and Applying Them to Disciplines		25
Social Science	See approved list, p. 16	6
PSYC 101	General Psychology	3
Humanities and Arts	See approved list, p. 16	6-9
Natural Science		7
BIOL 307	Human Anatomy	4
Physical/Earth Science		3
Intensive Writing		0-3
PHED 381	Research Methods in Physical Activity and Sports Mgmt	0
Constitution Requirement		0-3
HIST 211 or ECON 103	US History to 1877, Intro to Political Economy	0
Physical Education Core		17-18
HLTH 300	Personal & Comm Health	3
PHED 242	Motor Learning & Control	3
PHED 361/224	First Aid,CPR or Lifeguarding	1-2
PHED 381	Research Methods in Physical Activity and Sports Mgmt	3
PHED 382	Kinesiology	3
PHED 384	Exercise Physiology	3
PHED 385	Exercise Physiology Lab	1
Teacher Certification Sub Core		62
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 & Learn	2
EDUC 310	Working with Exceptional & Div Learners	3
EDUC 390	Core Issues in Teacher Ed	3
EDUC 475	Internship in Reflective Practice	10
EDUC 490	Capstone for Ed Leaders	2
HLTH 234	Strat for Teaching Health K-12 Educ	3
PHED 112	Movement Concepts	3
PHED 118	Movement Education & Ed Gymnastics	1
PHED 150	Skill Themes, Concepts, Nat'l Standards	2
PHED 202	Concepts of Fitness & Exercise	2
PHED 234	Teaching Invasion and Net Games	2
PHED 290	Assessment in Phys Ed	3
PHED 303	Teaching Aerobic Activity	1
PHED 348	Phys Ed Curr & Methods K-5	3
PHED 350	Phys Ed & Rec for Indiv With Disabilities	3
PHED 391	Prin of Teaching PE Curr & Methods 6-12	3
PHED 394	Field Experience in Teaching Phys Ed	1
Activity Credits		6
Total		125-128

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

General Education		Semester Hours
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		
MATH 150	Introduction to Discrete Mathematics	3
Technology		
CSCI 101 & 3 from 101A, B, C, or P	Intro to Comp & Info Processing	0
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		
HIST 211	US History to 1877	3
Developing Critical Skills and Applying Them to Disciplines		22-28
Social Science	See approved list, p. 16	3-6
PSYC 101	General Psychology	3
Humanities and Arts		6-9
Electives	Must have at least 2 different designators	6-9
Natural Science		7
BIOL 307	Human Anatomy	4
PHYS OR CHEM		3
Intensive Writing		0
PHED 381	Research Methods in Phys Activity & Sports Mgmt	
Constitution Requirement		
HIST 211	US History to 1877	0
Athletic Training Core		78
BIOL 308	Human Physiology	4
HLTH 300	Personal & Comm Health	3
NUTR 221	Food & Nutrition	3
NUTR 520	Sports Nutrition	3
PHED 242	Motor Learning & Control	3
PHED 267	Weight Training	1
PHED 361	First Aid	1
PHED 381	Research Methods in Phys Activity & Sports Mgmt	3
PHED 382	Kinesiology	3
PHED 384	Exercise Physiology	3
PHED 385	Exercise Physiology I Lab	1

RICHARD W. RILEY COLLEGE OF EDUCATION--ATHLETIC TRAINING

PHED 465	Strength Training & Conditioning	2
PHED 480	Exercise Testing & Prescription	3
PHED 548	Psychology of Sport & Phys Activity	3
ATRN 101	Introduction to Athletic Training	2
ATRN 151	Foundations of Athletic Training	2
ATRN 152	Foundations of Athletic Training Lab	1
ATRN 201	Clinical Experience in Ath Training I	1
ATRN 202	Clinical Experience in Ath Training II	2
ATRN 301	Clinical Experience in Ath Training III	2
ATRN 302	Clinical Exper in Ath Training IV	2
ATRN 310	Asses of Ath Inj & Illness: Lower Extrem	2
ATRN 311	Asses of Ath Inj & Illness: Lower Extrem Lab	1
ATRN 320	Asses of Ath Inj & Illness: Upper Extrem	2
ATRN 321	Asses of Ath Inj & Illness: Upper Extrem Lab	1
ATRN 330	Asses of Ath Inj & Illness: Head/Trunk	2
ATRN 331	Asses of Ath Inj & Illness: Head/Trunk Lab	1
ATRN 350	Therapeutic Modalities for Athletic Training	2
ATRN 351	Therapeutic Modalities for Athletic Training Lab	1
ATRN 361	Advanced Emergency Care	2
ATRN 401	Clinical Experience in Ath Training V	2
ATRN 402	Clinical Exper in Ath Training VI	2
ATRN 450	Therapeutic Exer & Rehab for Ath Training	2
ATRN 451	Therapeutic Exer & Rehab for Ath Training Lab	1
ATRN 480	Capstone in Athletic Training	2
ATRN 481	Capstone in Athletic Training Lab	1
ATRN 510	Pharmacology for Athletic Training	3
ATRN 563	Medical Aspects of Sport & Related Inj	3
Total		125

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

General Education		Semester Hours
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		
MATH 105	Applied Calculus	3
Technology		
CSCI 101 & 3 from 101A, B, C, or P	Intro to Comp & Info Processing	0
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		
Historical Perspectives		
HIST 211	US History to 1877	3
Developing Critical Skills and Applying Them to Disciplines		
Social Science		
PSYC 101	General Psychology	3
SOCL 201	Introduction to Sociology	3
Humanities and Arts		
		6
		Must have at least 2 different designators
Natural Science		
BIOL 307	Human Anatomy	4
CHEM 105	General Chemistry and Lab	4
Intensive Writing		
PHED 381	Research Methods in Phys Activity & Sports Mgmt	0
Constitution Requirement		
HIST 211	US History to 1877	0
Subtotal		45

Exercise Science Core		51
EXSC 101	Intro to Exercise Science	3
EXSC 485	Exercise Physiology II and Lab	4
EXSC 511	Physical Activity for Special & Aging Populations	3
EXSC 495	Internship	12
HLTH 300	Personal & Comm Health	3
HLTH 406	Exercise & Health Promotion	3
PHED 267	Weight Training	1
PHED 208	Weight Control Through Diet & Exercise	2
PHED 242	Motor Learning & Control	3
PHED 361	First Aid & CPR	1
PHED 381	Research Methods in Phys Activity & Sports Mgmt	3
PHED 382	Kinesiology	3
PHED 384	Exercise Physiology I	3
PHED 385	Exercise Physiology I Lab	1
PHED 465	Strength & Conditioning	2
PHED 480	Exercise Testing & Prescription	3
PHED 481	Exercise Testing & Prescription Lab	1
Scientific Foundation Core		14
BIOL 203/204	Principles of Biology & Lab	4
BIOL 307	Anatomy	0
BIOL 308	Human Physiology	4
NUTR 221	Food & Nutrition	3
CHEM 105	General Chemistry I	0
NUTR 520	Sports Nutrition	3
Electives: Select from the following :		15
BIOL 206	General Zoology	4
CHEM 106/108	General Chemistry II and Lab	4
HLTH 500	Contemporary Health Problems	3
HLTH 501	Substance Abuse Education	3
HLTH 507	Women's Health Issues	3
PHED 303	Teaching Aerobic Activities	1
PHED 307	Outdoor Education: Theory & Practice	2
PHED 525	Risk Management in PA and Sport	3
PHED 548	Psychology of Sport & Physical Activity	3
PHYS 201	General Physics I	4
PHYS 202	General Physics II	4
PSYC 301	Statistics	4
PSYC 206	Developmental Psychology	3
PSYC 313	Abnormal Psychology	3
SPMA 235	Sport Event Management	3
Total		125

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

General Education		Semester Hours
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		
MATH 105 (MATH 101 if needed)	Applied Calculus	3
Technology		
CSCI 101 & 3 from 101A, B, C, or P	Intro to Comp & Info Processing	0
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		
HMPX 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		
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

Intensive Writing		
PHED 381	Research Methods in Phys Activity & Sports Mgmt	0-3
Constitution Requirement		
ECON 103	Introduction to Political Economy	0-3
Additional Requirements		78
ACCT 280	Managerial Accounting	3
BADM 510	Sport Law	3
FINC 410	Sport Budget & Finance	3
MGMT 321	Principles of Management	3
MGMT 422	Human Resources Management	3
MTKG 380	Principles of Marketing	3
MTKG 483	Sales & Relationship Marketing	3
MTKG 484	Sport Marketing	3
PHED 200	Sport Ethics	3
PHED 381*	Research Methods in Phys Activity & Sports Mgmt	3
PHED 476	Facilities Management & Design	3
PHED 525	Risk Management In Physical Activity & Sport	3
PHED 548	Psychology of Sport	3
SPMA 101	Introduction to Sport Management	3
SPMA 235	Sport Event Management	3
SPMA 355	Research & Writing in Sport Management	3
SPMA 392	Field Work in Sport Management	3
SPMA 398	Seminar in Sport Management	1
SPMA 425 or SOCL 506	Global & Behav Perspect in Sport or Sociology of Sport	3
SPMA 426	Administration & Governance of Sport Organizations	3
SPMA 493	Internship in Sport Management	12
Electives		4
Total		124

*Intensive Writing requirement

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)

General Education Courses		Semester Hours
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	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		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives		
GEOG 101 or PLSC 260	Human Geog, United Nations	3
Historical Perspectives		
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
SOCL 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, 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		
76		
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 the Elem School	3

RICHARD W. RILEY COLLEGE OF EDUCATION--SPECIAL EDUCATION

ELEM 431**~	Teaching Science in the Elem School	3
ELEM 436**~	Teaching Math in the Elem School	3
PSYC 510	Behavior Analysis and Behavior Change	3
READ 321/322	Elem & Middle 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 292*	Lab Exp with Exceptional Children	3
SPED 391**~	Assessment	3
SPED 392~	Prin of Teaching Exceptional Children	1
SPED 561**~	Characteristics of Child with Learn Disabilities	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
SPED 586**~	Advanced Academic & Behavioral Methods in ED, LD	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

RICHARD W. RILEY COLLEGE OF EDUCATION--SPECIAL EDUCATION
Bachelor of Science in Special Education (Mental/Severe Disabilities)

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
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		
HMXP 102	The Human Experience: Who Am I?	3
Global Perspectives		
GEOG 101 or PLSC 260	Human Geog, United Nations	3
Historical Perspectives		
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
SOCL 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		
76		
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

Bachelor of Science - Family and Consumer Sciences

		Semester Hours
General Education Courses		
ACAD 101	Principles of the Learning Academy	1
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		
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
Developing Critical Skills and Applying them to Disciplines		
Social Science		
PSYC 101	General Psychology	3
SOCL 101or 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		
Earth or Physical Science	See approved list, p. 16	3
BIOL 150/151	Elements of Liv Sys/Investigations into Liv Sys	4
Intensive Writing		
	See approved list, p. 16	3
Professional Courses		37
FACS 211	Apparel Design and Construction	3
FACS 340	Cooperative Internship Experience	3
FACS 381	Textiles	3
FACS 401	Consumer Economics	3
FACS 500	Contemp Issues: Professional & Family Living	3
FACS 501	Residential Technology	3
FACS 502	Family Resource Management	3
EDCI 331	Community Connections for Families	3
NUTR 221	Food and Nutrition	3
NUTR 231	Food Composition	3
NUTR 232	Food Composition Laboratory	1
HLTH 506	Human Sexuality	3
SOCL 305	Marriage and Family	3
Specialization or Minor		15-21
Electives		9-16
Total		124

Specializations:

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

<i>Business/Media</i>		18
ACCT 280	Accounting Info for Business Decisions I	3
MKTG 380	Principles of Marketing	3
MGMT 321	Principles of Management	3
MGMT 355	Business Communication	3
MCOM 241	Media Writing	3
MCOM 370	Principles of Public Relations	3
 <i>Early Intervention</i>		 21
SOCL 101 or 201	Social Problems, Principles of Sociology	3
SCWK 200	Introduction to Social Work	3
PSYC 206	Developmental Psychology	3
SPED 281	Introduction to Special Education	3
HLTH 300	Personal and Community Health	3
EDCI 336	Young Children: Insuring Success	3
READ 321	Elementary and Middle School Language Arts	3

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

Elizabeth Patenaude, Dean

Alice R. Burmeister, Associate Dean and Director of Graduate Studies

Kim R. Wright, Student Services Coordinator

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 McAbee
 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.

General Education		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		15-21
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking & Writing	3
Quantitative Skills		
MATH 150	Intro to Discrete Mathematics	3
Technology	See approved list, p. 16	3
Oral Communication	See approved list, p. 16	3
Logic/Language/Semiotics	See approved list, p. 16	0-6*
Skills for Common Experiences and Thinking Across Disciplines		3-9
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		19-28
Constitution Requirement	See approved list, 16; PLSC 201 or ECON 103 apply to Social Science requirement	0-3
Social Science	See approved list, p. 16; 2 designators must be represented	6
Humanities and Arts	See approved list, p. 16; 2 designators must be represented and one must be a non-CVPA & the other may be met with approved GenEd 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	3
Required Courses in Major		43-49
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	3
ARTS 201	Two-Dimensional Design II	3
ARTS 202	Three-Dimensional Design II	3
ARTS 220	Drawing II	
ARTH 175	Intro to Art Hist Prehistory-Middle Ages	0-3
ARTH 176	Intro to Art Hist Renaissance-Present	0-3
ARTT 200	Foundation Review	0
ARTS Electives	Any ARTS course (with satisfaction of any prerequisites and other conditions)	18
ARTH Electives	Any ARTH course (with satisfaction of any prerequisites and other conditions)	6
Electives	Must include a minor	30-36
Total		124

*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.

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		15
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking & Writing	3
Quantitative Skills		
MATH 150	Intro to Discrete Mathematics	3
Technology	See approved list, p. 16	3
Oral Communication	See approved list, p. 16	3
Logic/Language/Semiotics	See approved list, p. 16	0*
Skills for Common Experience And Thinking Across Disciplines		3-9
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		16-25
Constitution Requirement	See approved list, p. 16; PLSC 201 or ECON 103 apply to Social Science requirement	0-3
Social Science	See approved list, p. 16; 2 designators must be represented	6
Humanities and Arts		
HIST 111, 112 or 113	World Civ to 950, World Civ from 950-1750, or World Civ Since 1750	3
	See approved list, p. 16; must include designator other than HIST and may be chosen from courses in the Major	0-6
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		54-72
ARTT 112	Introduction to Fine Arts	2
ARTT 200	Foundation Review	0
ARTS 101	Two-Dimensional Design I	3
ARTH 175	Intro to Art Hist Prehistory-Middle Ages	0-3
ARTH 176	Intro to Art Hist Renaissance-Present	0-3
ARTH 451	Art History Methods	3
ARTH 454	Contemporary Art & Criticism	3
6 hours of any Non-Western ARTH courses listed below		6
Select five courses from:		15
ARTH 340	Cooperative Education	
ARTH 341	Art of Ancient Greece and Rome	
ARTH 342	Early Medieval Art	
ARTH 343	High and Late Medieval Art	
ARTH 344	Italian Renaissance Art	
ARTH 345	Northern European Renaissance Art	
ARTH 346	Baroque and Rococo Art	
ARTH 347	Neoclassicism and Romantic Art	
ARTH 348	Modernism	
ARTH 349	History of Graphic Design	
ARTH 350	History of Photography	
ARTH 351	Arts of Africa	
ARTH 352	Arts of the Americas	
ARTH 353	Arts of Oceania	
ARTH 354	Arts of India	
ARTH 355	Arts of China	
ARTH 356	Arts of Japan	
ARTH 450	Honors Special Topics	

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ARTH 452	Women in Art	
ARTH 453	Art of the Book	
ARTH 480, 481, 482	Special Topics in Art History	
ARTH 483, 484, 485	Special Topics in Non-Western Art	
Select one course from:		3
ARTH 450	Honors Special Topics	
ARTH 452	Women in Art	
ARTH 453	Art of the Book	
ARTH 480, 481, 482, 580	Special Topics in Art History	
ARTH 483, 484, 485	Special Topics in Non-Western Art	
Select two courses from:		6
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:		7-8
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
<i>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.</i>		0-6
Electives	Must include a minor	17-20
Total		124

Note: No more than 36 hours in any one subject (or course designator) may apply to the BA degree.

*Hours counted in Major Requirements

**Hours may be counted in GenEd: Humanities and Arts

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		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		
Writing and Critical Thinking		10-15
WRIT 101	Composition	3
CRTW 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		3-9
HMPX 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		16-22
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		56-68
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 ARTS 337 or ARTS 370	Printmaking: Serigraphy/Screen Processes or 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		29
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**

General Education Courses		Semester hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		15-21
Writing and Critical Thinking		
WRIT 101 & CRTW 201	Composition, Crit Reading, Thinking & Writing	6
Quantitative Skills		
MATH 150	Intro to Discrete Mathematics	3
Logic/Language/Semiotics	See approved list, p. 16	0-6*
Technology	See approved list, p. 16;	3
ARTS 281	Computer Imaging in Design	
Oral Communication	See approved list, p. 16	3
Skills for a Common Experience and Thinking Across Disciplines		3-9
HMXP 102	The Human Experience	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		16-22
Constitution requirement		
ECON 103 or PLSC 201	Intro to Pol Econ or American Govt	3
Social Science	See approved list, p. 16; cannot use course with the same designator as Constitution requirement	3
Humanities and Arts (2 designators)	See approved list, p. 16; must have one course outside CVPA and other may be met with ARTS 120 & 220, or any other 2 Gen Ed 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**

*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

General Education, see above		35-53
Major Courses		76-88
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 121	Figure Drawing	3
ARTS 201	Two-Dimensional Design II	3
ARTS 202	Three-Dimensional Design II	
ARTS 220	Drawing II	0-3
ARTT 200	Foundation Review	0
ARTS 342	Painting I	3
ARTS 336, 337, or 370	Printmaking: Relief; Printmaking: Intaglio Printing, or Basic Photography (Small Format)	3
ARTS 332, 351, or 355	Sculpture I, Ceramics I, or Jewelry & Metals I	3
ARTH 175	Intro to Art Hist from Prehist-the Middle Ages	0-3
ARTH 176	Intro to Art Hist from Renaissance-Present	0-3
ARTT 300	Specialization Portfolio Review	0
ARTS Emphasis A		15
ARTS Emphasis B		15
(For Emphases A & B, select a subject area for each from ceramics, drawing, jewelry & metals, painting, photography, printmaking, sculpture.)		
ARTS Electives	Any appropriate courses	6
ARTH 348	Modernism	3
ARTH Elective	Any appropriate course	3
ARTH 454	Contemporary Art and Criticism	3
ARTT 498	Survival Guide for Artists	3
Electives		0-6
Total		128

Bachelor of Fine Arts in Art with a concentration in Ceramics

General Education Courses, see page 107		35-53
Required Courses in Major		76-88
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 121	Figure Drawing	3
ARTS 201	Two-Dimensional Design II	3
ARTS 202	Three-Dimensional Design II	3
ARTS 220	Drawing II	0-3
ARTT 200	Foundation Review	0
ARTS 351	Ceramics I	3
ARTS 352	Ceramics II	3
ARTH 175	Intro Art Hist Prehistory-Middle Ages	0-3
ARTH 176	Intro to Art Hist Renaissance-Present	0-3
ARTT 300	Specialization Portfolio Review	0
ARTS 370	Basic Photography (Small Format)	3
ARTS 451	Ceramics III	3
ARTS 452	Ceramics IV	3
ARTS 482, 483	Special Topics in Art (ceramics)	6***
ARTS 551	Ceramics V	3
ARTS 552	Ceramics VI	3
ARTS 584, 585	Special Topics in Art (ceramics)	6***
ARTS Electives	Any appropriate courses	15
ARTH 348	Modernism	3
ARTH Elective	Any appropriate course	3
ARTH 454	Contemporary Art and Criticism	3
ARTT 498	Survival Guide for Artists	3
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		35-53
Required Courses in Major		76-88
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 121	Figure Drawing	3
ARTS 201	Two-Dimensional Design II	3
ARTS 202	Three-Dimensional Design II	3
ARTS 220	Drawing II	0-3
ARTT 200	Foundation Review	0
ARTS 342	Painting I	3
ARTS 343	Painting II	3
ARTH 175	Intro to Art Hist Prehistory-Middle Ages	0-3
ARTH 176	Intro to Art Hist Renaissance-Present	0-3
ARTT 300	Specialization Portfolio Review	0
ARTS 221	Life Drawing and Anatomy	3
ARTS 320	Drawing III	3
ARTS 332	Sculpture I	3
ARTS 442	Painting III	3
ARTS 443	Painting IV	3
ARTS 482, 483, 484	Special Topics in Art (painting)	9***
ARTS 542	Painting V	3
ARTS 543	Painting VI	3
ARTS Electives	Any appropriate courses	9

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ARTH 348	Modernism	3
ARTH Elective	Any appropriate course	3
ARTH 454	Contemporary Art and Criticism	3
ARTT 498	Survival Guide for Artists	3
Electives		0-6
Total		128

***Subtitle must be in painting subject area.

Bachelor of Fine Arts in Art with a concentration in Photography: Commercial Track

General Education, see page 107		32-47
Required Courses in Major		79-91
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 121	Figure Drawing	3
ARTS 201	Two-Dimensional Design II	3
ARTS 202	Three-Dimensional Design II	3
ARTS 220	Drawing II	0-3
ARTT 200	Foundation Review	0
ARTS 311	Photo Communication	3
ARTS 370	Basic Photography (Small Format)	3
ARTS 371	Creative Process in Photography	3
ARTH 175	Intro to Art Hist Prehistory-Middle Ages	0-3
ARTH 176	Intro to Art Hist Renaissance-Present	0-3
Successful Passage of Foundations Grade Requirements or Portfolio Review		-
ARTT 300	Specialization Portfolio Review	0
ARTS 281	Computer Imaging in Design	3
ARTS 364	Digital Photography	3
ARTS 470	Color Photography	3
ARTS 472	Editorial Photography	3
ARTS 473	Large-Format Photography	3
ARTS 474	Studio Lighting for Photography	3
ARTS 572	Fashion Photography (Medium-Format)	3
ARTS 573	Photography Thesis Project	3
ARTS 574	Photography Thesis Exhibition	3
ARTS 584	Special Topics in Art (Photography)	3***
ARTS Electives	Any appropriate courses	6
ARTH 351	History of Photography	3
ARTH 348	Modernism	3
ARTT 340	Cooperative Education Experience	3
ARTH 454	Contemporary Art and Criticism	3
BADM 371	Introduction to Entrepreneurship	3
Electives		0-3
Total		125

***Subtitle must be in photography subject area.

Bachelor of Fine Arts in Art with a concentration in Photography: Fine Art Track

General Education, see page 107		32-47
Required Courses in Major		82-94
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 121	Figure Drawing	3
ARTS 201	Two-Dimensional Design II	3
ARTS 202	Three-Dimensional Design II	3
ARTS 220	Drawing II	0-3
ARTT 200	Foundation Review	0

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ARTS 335	Printmaking: Serigraphy/Screen Processes	3
ARTS 370	Basic Photography (Small Format)	3
ARTS 371	Creative Process in Photography	3
ARTH 175	Intro to Art Hist Prehistory-Middle Ages	0-3
ARTH 176	Intro to Art Hist Renaissance-Present	0-3
ARTT 300	Specialization Portfolio Review	0
ARTS 281	Computer Imaging in Design	3
ARTS 342	Painting I	3
ARTS 364	Digital Photography	3
ARTS 470	Color Photography	3
ARTS 473	Large-Format Photography	3
ARTS 474	Studio Lighting for Photography	3
ARTS 475	Alternative Processes in Photography	3
ARTS 573	Photography Thesis Project	3
ARTS 574	Photography Thesis Exhibition	3
ARTS 584	Special Topics in Art (Photography)	3***
ARTS Electives	Any appropriate courses	12
ARTH 379	History of Photography	3
ARTH 348	Modernism	3
ARTH 454	Contemporary Art and Criticism	3
ARTT 498	Survival Guide for Artists	3
Electives		0-3
Total		128

***Subtitle must be in photography subject area

Bachelor of Fine Arts in Art with a concentration in Printmaking

General Education, see page 107		35-53
Required Courses in Major		76-88
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 121	Figure Drawing	3
ARTS 201	Two-Dimensional Design II	3
ARTS 202	Three-Dimensional Design II	3
ARTS 220	Drawing II	0-3
ARTT 200	Foundation Review	0
ARTS 335 or ARTS 336	Printmaking: Serigraphy/Screen Process or Printmaking: Relief	3
ARTS 337	Printmaking: Intaglio Printing	3
ARTH 175	Intro to Art Hist Prehistory-Middle Ages	0-3
ARTH 176	Intro to Art Hist Renaissance-Present	0-3
ARTT 300	Specialization Portfolio Review	0
ARTS 320	Drawing III	3
ARTS 370	Basic Photography (Small Format)	3
ARTS 436	Printmaking: Lithography	3
ARTS 437	Intermediate Printmaking	3
ARTS 482, 483, 484	Special Topics in Art (printmaking)	9***
ARTS 536	Advanced Printmaking	3
ARTS Electives	Any appropriate courses	15
ARTH 348	Modernism	3
ARTH Elective	Any appropriate course	3
ARTH 454	Contemporary Art and Criticism	3
ARTT 498	Survival Guide for Artists	3
Electives		0-6
Total		128

***Subtitle must be in printmaking subject area

Bachelor of Fine Arts in Art with a concentration in Sculpture

General Education, see page 107		35-53
Required Courses in Major		76-88
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 121	Figure Drawing	3
ARTS 201	Two-Dimensional Design II	3
ARTS 202	Three-Dimensional Design II	3
ARTS 220	Drawing II	0-3
ARTT 200	Foundation Review	0
ARTS 332	Sculpture I	3
ARTS 333	Sculpture II	3
ARTS 355	Jewelry and Metals I	3
ARTS 356	Jewelry and metals II	3
ARTH 175	Intro to Art Hist Prehistory-Middle Ages	0-3
ARTH 176	Intro to Art Hist Renaissance-Present	0-3
ARTT 300	Specialization Portfolio Review	0
ARTS electives	Any appropriate courses	6
ARTS 370	Basic Photography (Small Format)	3
ARTS 432	Sculpture III	3
ARTS 433	Sculpture IV	3
ARTS 482, 483, 484	Special Topics in Art (sculpture)	9***
ARTS 532	Sculpture V	3
ARTS 533	Sculpture VI	3
ARTS 585	Special Topics in Art (sculpture)	3***
ARTH 348	Modernism	3
ARTH Electives	Any appropriate course	3
ARTH 454	Contemporary Art and Criticism	3
ARTT 498	Survival Guide for Artists	3
Electives		0-6
Total		128

***Subtitle must be in sculpture subject area.

Bachelor of Fine Arts in Art with a concentration in Jewelry/Metals

General Education, see page 107		35-53
Required Courses in Major		76-88
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 121	Figure Drawing	3
ARTS 201	Two-Dimensional Design II	3
ARTS 202	Three-Dimensional Design II	3
ARTT 200	Foundation Review	0
ARTS 220	Drawing II	0-3
ARTS 332	Sculpture I	3
ARTS 333	Sculpture II	3
ARTS 355	Jewelry and Metals I	3
ARTS 356	Jewelry and Metals II	3
ARTH 175	Intro to Art Hist Prehistory-Middle Ages	0-3
ARTH 176	Intro to Art Hist Renaissance-Present	0-3
ARTT 300	Specialization Portfolio Review	0
ARTS 342	Painting I	3
ARTS 351	Ceramics I	3
ARTS 370 or 364	Basic Photography (Small Format), Digital Photography	3
ARTS 455	Jewelry and Metals III	3
ARTS 456	Jewelry and Metals IV	3

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ARTS 482, 483, 484	Special Topics in Art (Jewelry/Metals)	9
ARTS 555	Jewelry and Metals V	3
ARTS 556	Jewelry and Metals VI	3
ARTS 585	Special Topics in Art (Jewelry/Metals)	3
ARTH 348	Modernism	3
ARTH electives	Any appropriate course	3
ARTH 454	Contemporary Art and Criticism	3
ARTT 498	Survival Guide for Artists	3
Electives		0-6
Total		128

DESIGN

Faculty

Associate Professors

Chad Dresbach, *Chair*
 Sang-Whon Sohn
 J. David Stokes

Assistant Professors

David Beatty
 Jennifer Belk
 Dave Brown
 Gerry Derksen

Lecturers

Caroline Andrychowski
 Ashley Cooke
 Karen Derksen
 Deborah Dunlap
 Kathryn Gantt
 Tom Garner
 Stephanie Huxter
 Ellen Ward
 Brock Whittaker

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**

General Education Courses		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		18
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking & Writing	3
Quantitative Skills		
MATH 150	Introductory Discrete Mathematics	3
Technology		
CSCI 101 & 101A, B & F	Intro to Computers, MS, Excel, Photoshop	3
Oral Communication		
WRIT 465	Preparation of Oral & Written Reports	3
Logic/Language/Semiotics		
CSCI 101 & 101A, B & F	Intro to Computers, MS, Excell, Photoshop	0
	See approved list, p. 16	3
Skills for Common Experiences and Thinking Across Disciplines		9
HMPX 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
Constitutional 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 the Constitutional Requirement	3-6
Humanities and Arts		
INDS 488	Senior Thesis	3
	See approved list, p. 16; one course must be a non-CVPA designator.	3-6
Natural Science	See approved list, p. 16; must include one lab science	7
Intensive Writing		
WRIT 465	Preparation of Oral & Written Reports	0*
Required Courses in Major		73
VCOM 120	Design Drawing	3
ARTH 175	Introduction to Art History I	0*
ARTH 176	Introduction to Art History II	0*
CSCI 101 & 101A, B & F	Intro to Computers, MS, Excel, Photoshop	0*
INDS 101	Interior Design Fundamentals	3

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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)	4
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		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		18
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 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		9
HMPX 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 See approved list, p. 16; 2 designators required, one must	3

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	be from outside the Dept. of Fine Arts or Design	3-6
	See approved list, p. 16; must include one lab science	7
Natural Science		
Intensive Writing		
WRIT 465 or	Preparation of Oral & Written Reports (graphic design)	0*
* Hours are covered in program requirement and counted in Major Requirements.		
Required Courses in Major		71
ARTH 175	Intro to Art Hist Prehistory-Middle Ages	0*
ARTH 176	Intro to Art Hist Renaissance-Present	0*
ARTH elective	Must be numbered above 300	3
BADM 180 or FINC 101	Contemporary Business Issues, Personal Finance	3
CSCI 101, & 101A, F & I	Intro to Comp & Info Process; MS; Photoshop; Illustrator	0*
PLSC 201 or ECON 103	Amer Gov't or Intro to Political Economy	0*
MCOM 341	Advertising Principles	3
VCOM 101	Visual Communication Seminar	1
VCOM 120	Design Drawing	3
VCOM 150	Design Studio Skills	3
VCOM 151	Design Fundamentals	3
VCOM 154	Design and Color	3
VCOM 222	Introduction to Illustration	3
VCOM 258	Introduction to Typography	0*
VCOM 259	Introduction to Graphic Design	3
VCOM 261	Introduction to Computer Imaging	0*
VCOM 262	Introduction to Web Design	3
VCOM 300	Visual Communication Design Portfolio Review	0
VCOM 301	Visual Communication Seminar I	1
VCOM 340 or approved VCOM elective	Co-op Experience	3
VCOM 355	Design Concepts	3
VCOM 358	Intermediate Typography	3
VCOM 363	Multimedia Design	3
VCOM 374	History of Graphic Design & Illustration	3
VCOM 388	Graphic Arts Production Practices	3
VCOM 401	Visual Communication Seminar II	1
VCOM 453	Corporate Identity	3
VCOM 455	Three-Dimensional Graphic Design	3
VCOM 486	Senior Thesis Proposal	1
VCOM 487	Senior Thesis	3
VCOM 501	Visual Communication Seminar III	1
VCOM 578	Professional Portfolio and Practices	3
ARTS/INFD/VCOM Electives	Approved electives	6
WRIT 465	Preparation of Oral & Written Reports	0*
Electives		3-6
Total		124

* Hours are covered in program requirement and counted in Major Requirements.

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		Semester Hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		18
Writing and Critical Thinking		
WRIT 101	Composition	3
CRTW 201	Critical Reading, Thinking & Writing	3
Quantitative Skills		
MATH 150	Introductory Discrete Mathematics	3
Technology		
CSCI 101, 101F & I, and one add. module	Intro to Comp & Info Process; 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		
HMXF 102	The Human Experience: Who am I?	3

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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		
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 be from outside the Dept. of Fine Arts or Design	3-6
Natural Science		
BIOL 307	See approved list, p. 16	3
	Human Anatomy	4
Intensive Writing		
WRIT 465	Preparation of Oral & Written Reports	0
Required Courses in Major		
78		
BADM 180 or FINC 101	Contemporary Business Issues, Personal Finance	3
PHED 267	Weight Training	1
VCOM 101	VCOM Seminar	1
VCOM 120	Design Drawing	3
VCOM 121	Design Drawing II: Struct. & Form	3
VCOM 150	Design Studio Skills	3
VCOM 151	Design Fundamentals	3
VCOM 154	Design and Color	3
VCOM 220	Illustration: the Figure	3
VCOM 222	Visual Thinking & Symb. Comm	3
VCOM 258	Intro. Typography	0*
VCOM 259	Intro. Graphic Design	3
VCOM 261	Intro. to Comp. Imaging	3
VCOM 262	Intro. Web Design	0*
VCOM 300	VCD Portfolio Review	0
VCOM 301	Critical Seminar	1
VCOM 320	Illustration: Comparative Anat.	3
VCOM 323	Illustration: Costumed Figure	3
VCOM 325	Illustration: Portraiture	3
VCOM 374	History of Gr. Des. and Illo.	3
VCOM 388	Graph. Arts Prod. Practices	3
VCOM 401	Critical Seminar	1
VCOM 420	Illustration: Heroes and Antiheroes	3
VCOM 423	Illustration: Fairy Tales / Child. Lit	3
VCOM 424	Illustration: Sequential Storytelling	3
VCOM 425	Illustration: Persuasion & Propaganda	3
VCOM 427	Illustration: Narrative and Editorial	3
VCOM 486	Senior Thesis Proposal	1
VCOM 487	Senior Thesis	3
VCOM 501	Critical Seminar	1
VCOM 578	Prof. Portfolio	3
WRIT 465	Prep. Oral & Written Rept.	3*
VCOM, ARTS, INFD approved VCOM electives		
Directed VCOM "history" elective		
Total		
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
 Joseph 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.

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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		Semester Hours
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
Global Perspectives		
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		14
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		34
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
MUST 305, 306, 307	Music History Sequence	9
MUSA/MUST Electives	Any courses numbered above 299 except MUST 315	5
MUST 5__	500-level MUST elective	3
Electives		38
Choose from courses with any course designator other than MUSA or MUST (must include a minor or second major)		
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

General Education Courses		Semester Hours
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*
Intensive Oral Communication		
MUST 591	Principles of Teaching Music	0*
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		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives		
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 Soc Sci elective	3
MUST 15__ or 16__	Music Ensembles	0*
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		
	2 courses from different sci categories (earth, life, & physical) & must include at least one lab science	7
Music Core - Applied		25
MUSA 151 or 152	Major Choral Ensemble	7
MUSA 14_, 15_ or 16_	Small Ensemble Requirement	2
MUSA 111-112, 211-212, 311-312, 411	Private Lessons in the Major Instrument	7
MUSA 181-182, 281-282	Piano Class I-IV	4
MUSA 291, 293, 295, 296, 297	Vocal and Instrumental Methods Courses	5
Music Core - Theoretical		40
MUST 111-112, 211-212	Music Theory I-IV	12
MUST 113-114, 213-214	Aural Skills I-IV	4
MUST 121	Introduction to Music Technology	1
MUST 305, 306, 307	Music History Sequence	9
MUST 317-318	Beginning & Intermediate Conducting	6
MUST 411, 521	Form & Analysis, Composition Methods & Arranging	5
MUST 5__	500-level MUST elective	3
Professional Education Sequence		37
EDUC 110, 210, 250, 275, 310, 390	Education Core	17**
EDUC 475, 490	Internship, Capstone	12
MUST 190, 590, 591, 592	Music Education Core Courses	8
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.

COLLEGE OF VISUAL & PERFORMING ARTS--MUSIC EDUCATION/INSTRUMENTAL

- 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

General Education Courses		Semester Hours
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*
Intensive Oral Communication		
MUST 591	Principles of Teaching Music	0*
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
Global Perspectives		
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		
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 the Soc Sci elective	3
Constitution Requirement		
PLSC 201 or ECON 103	American Government / 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
Music Core - Applied		
MUSA 156 or 157 (wind/percussion majors) or 161 (string majors)	Major Instrumental Ensemble	7
MUSA 14_ 15_ or 16_	Small Ensemble Requirement	2
MUSA 111-112, 211-212, 311-312, 411	Private Lessons in the Major Instrument	7
MUSA 181-182, 281-282	Piano Class I-IV	4
MUSA 291, 293, 295, 296, 297	Vocal and Instrumental Methods Courses	5
Music Core - Theoretical		
MUST 111-112, 211-212	Music Theory I-IV	12
MUST 113-114, 213-214	Aural Skills I-IV	4
MUST 121	Introduction to Music Technology	1
MUST 305, 306, 307	Music History Sequence	9
MUST 317-318	Beginning & Intermediate Conducting	6
MUST 341	Marching Band Techniques (Band students only)	0-1
MUST 411, 521	Form & Analysis, Composition Methods & Arranging	5
MUST 5__	500-level MUST elective	3
Professional Education Sequence		
EDUC 110, 210, 250, 275, 310, 390	Education Core	17**
EDUC 475, 490	Internship, Capstone	12
MUST 190, 590, 591, 592	Music Education Core Courses	8
Total		137-138

*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)

General Education Courses		Semester Hours
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		
See Approved List	Intensive Oral Communication Requirement	3
Logic/Language/Semiotics		
Foreign Language		8
Skills for a Common Experience and Thinking Across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives		
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		
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
Music Core - Applied		38
MUSA 111-112, 211-212, 311-312, 411-412	Private Lessons in the Major Instrument	24
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 5 hours of MUSA 168)	8
MUSA 14_, 15_ or 16_	Small Ensemble Requirement	2
MUSA 181-182, 281-282	Piano Class I-IV	4
Music Core - Theoretical		52
MUST 111-112, 211-212	Music Theory I-IV	12

COLLEGE OF VISUAL & PERFORMING ARTS--MUSIC PERFORMANCE/COMPOSITION

MUST 113-114, 213-214	Aural Skills I-IV	4
MUST 121	Introduction to Music Technology	1
MUST 305, 306, 307	Music History Sequence	9
MUST 317, 411	Beginning Conducting, Form and Analysis	6
MUSA/MUST Electives	Any courses above 299 except MUST 315 (voice majors must include MUST 321-322)	11
MUST 5__	500-level MUST electives (piano majors must include MUST 501 and 520; voice majors must include MUST 519, 535 and 536; percussion majors must include MUST 517)	9
Electives	Choose courses from any discipline on campus	5
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.

Bachelor of Music Performance
(Composition option)

General Education Courses		Semester Hours
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		
See Approved List	Intensive Oral Communication Requirement	3
Logic/Language/Semiotics		
Foreign Language		8
Skills for a Common Experience and Thinking Across Disciplines		
HMPX 102	The Human Experience: Who Am I?	3
Global Perspectives		
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		
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

COLLEGE OF VISUAL & PERFORMING ARTS--MUSIC PERFORMANCE/COMPOSITION

Music Core - Applied		38
MUSA 131-132, 231-232, 331-332, 431-432	Private Lessons in Composition	24
MUSA 151 or 152 (guitar, piano, organ, voice majors), 156 or 157 (wind/percussion majors), or 161 (string majors)	Major Ensemble	8
MUSA 14_, 15_ or 16_	Small Ensemble Requirement	2
MUSA 181-182, 281-282	Piano Class I-IV	4
Music Core - Theoretical		52
MUST 111-112, 211-212	Music Theory I-IV	12
MUST 113-114, 213-214	Aural Skills I-IV	4
MUST 121	Introduction to Music Technology	1
MUST 305, 306, 307	Music History Sequence	9
MUST 317, 318, 411	Beg Conducting, Intermed Conducting, Form & Analysis	9
MUST 511	Orchestration	3
MUST 531-532	Computer Music Technology I-II	6
MUSA/MUST Electives	Any courses above 299 except MUST 315 (voice majors must include MUST 321-322)	6
Electives	Choose courses from any discipline on campus	5
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.

THEATRE and DANCE**Faculty****Professors**

Annie-Laurie Wheat

Associate Professors

Sandra Neels

Andrew Vorder Bruegge, *Chair*

Anna Sartin

Mary Beth Young

Assistant Professors

Biff Edge

Janet Gray

Stephen Gundersheim

Stephanie Milling

Instructor

Zinori Bronola

Meg Griffin

Lecturers

Caroline Calouche

Susan Gundersheim

Marie Izzo

Russell Luke

Stacy Garrett McConnell

Bethany Tuffy

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		Semester hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		18-21
Writing and Critical Thinking		
WRIT 101 & CRTW 201	Composition; Critical Reading, Thinking & Writing	6
Quantitative Skills		
MATH 105 (101 is prerequisite) or 150	Applied Calculus, Introductory Discrete Mathematics	3
Logic/Language/Semiotics		
MATH, CSCI, Foreign Languages, PHIL 220 or 225, SPCH 201		6
Technology	See approved list, p. 16. If a CSCI course that is approved under both Logic/Language/Semiotics & Technology is taken, then it fulfills this requirement with 0 hours.	0-3
Oral Communication		
THRA 120	Acting I	3
Skills for a Common Experience and Thinking Across Disciplines		6-9
HMXP 102	The Human Experience	3
Global Perspectives	See approved list, p. 16.	3
Historical Perspectives	See approved list, p. 16.	0-3
Developing Critical Skills and Applying them to Disciplines		19
Social Science		
ECON 103~ or PLSC 201~	Intro to Pol Econ or American Govt	3
GEOG 101, PSYC 101, ECON, PLSC, or SOCL	See approved list, p. 16.	3
Humanities and Arts		6
DANT 201	Choreography I	0*
Electives	See approved list, p. 16. Must have two additional courses not DANA or DANT.	6
Natural Science	See approved list, p. 16. Must include one lab science.	7
Dance Courses (Major)		45
DANA 111	Modern Dance IA	1
DANA 112	Modern Dance IB	1
DANA 211	Modern Dance IIA	1
DANA 212	Modern Dance II B	1
DANA 311	Modern Dance IIIA	1
DANA 312	Modern Dance IIIB	1
DANA 121	Ballet IA	1
DANA 122	Ballet IB	1
DANA 221	Ballet IIA	1
DANA 222	Ballet IIB	1
DANA 251 or 252	Jazz Technique I or II	1
DANA 258	World Dance Forms	1
DANA 442	Senior Thesis Showcase	1
DANA 443 and/or 444	Dance Prod: Practicum and/or Dance Perf: Practicum	3
DANT 110	Introduction to Dance	1
DANT 190	Dance Forum (8 semesters)	0
DANT 200	Improvisation	1
DANT 201	Choreography I	3
DANT 301	Choreography II	3
DANT 205	Music for Dance	3
DANT 372	Dance Kinesiology	3
DANT 385	Dance Hist: Primitive Cult through 19 th Cent	3
DANT 386+	Dance History: 1900 to Present	3
DANT 432	Careers and Current Trends in Dance	3
DCED 342	Dance Pedagogy: Modern, Jazz, Ballet	3
THRT 115	Introduction to Production	3
Minor and General Electives		29-35
Total		124

* Hours counted in Major

+meets Intensive Writing Requirement

~Meets Constitution Requirement

COLLEGE OF VISUAL & PERFORMING ARTS--DANCE CERTIFICATION
Bachelor of Arts in Dance with Teacher Certification (K-12)

General Education Courses		Semester hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		15
Writing and Critical Thinking		
WRIT 101 & CRTW 201	Composition; Critical Reading, Thinking & Writing	6
Quantitative Skills		
MATH 105 (101 is prerequisite) or 150	Applied Calculus, Introductory Discrete Mathematics	3
Logic/Language/Semiotics		
MATH, CSCI, Foreign Languages, PHIL 220 or 225, SPCH 201		6
Skills for a Common Experience and Thinking Across Disciplines		6-9
HMPX 102	The Human Experience	3
Global Perspectives	See approved list, p. 16.	3
Historical Perspectives	See approved list, p. 16	0*
Developing Critical Skills and Applying them to Disciplines		19
Social Science		
ECON 103~ or PLSC 201~	Intro to Pol Econ or American Govt	3
GEOG 101, PSYC 101, ECON, PLSC, or SOCL	See approved list, p. 16.	3
Humanities and Arts		
DANT 201	Choreography I	0*
THRT 298, MUST 298, ARTT 298	Theatre, Music, or Art Appreciation	3
Elective	See approved list, p. 16; must have one additional course not DANA or DANT	3
Natural Science	See approved list, p. 16; must have at least one lab.	7
Dance Courses (Major)		53
DANA 111	Modern Dance IA	1
DANA 112	Modern Dance IB	1
DANA 211	Modern Dance IIA	1
DANA 212	Modern Dance II B	1
DANA 311	Modern Dance IIIA	1
DANA 312	Modern Dance IIIB	1
DANA 121	Ballet IA	1
DANA 122	Ballet IB	1
DANA 221	Ballet IIA	1
DANA 222	Ballet IIB	1
DANA 251 or 252	Jazz Technique I or II	1
DANA 258	World Dance Forms	1
DANA 443 and/or 444	Dance Prod: Pract and/or Dance Perf: Pract	2
DANT 110	Introduction to Dance	1
DANT 190	Dance Forum (7 semesters)	0
DANT 200	Improvisation	1
DANT 201	Choreography I	3
DANT 301	Choreography II	3
DANT 205	Music for Dance	3
DANT 372	Dance Kinesiology	3
DANT 385	Dance Hist: Primitive Cult through 19 th Cent	3
DANT 386+	Dance History: 1900 to Present	3
DANT 432	Careers and Current Trends in Dance	3
THRT 115	Introduction to Production	3
DCED 212	Creative Movement	3
DCED 345	Exploring K-12 Dance Education	3
DCED 342	Dance Pedagogy: Modern, Jazz, Ballet	3
DCED 391 ²	Principles of Teaching Dance	3
DCED 392	Field Experience Teaching Dance	1
Education Courses (Minor)		29
EDUC110**	Teachers, Schools, and Society	3
EDUC210**	Psychology of the Learner I	3
EDUC250**	Psychology of the Learner II	3
EDUC275**1	Integrating Tech to Support Teaching & Learning	2
EDUC 310**	Working with Exceptional & Diverse Learners	3
EDUC 390**	Core Issues in Teacher Education	3

COLLEGE OF VISUAL & PERFORMING ARTS--THEATRE PERFORMANCE		
EDUC 475**	Internship in Reflective Practice	10
EDUC 490**	Capstone for Educational Leaders	2
Electives		1-4
Total		126

*Hours counted in General Education

**C or better required

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 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

General Education Courses		Semester hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		15-18
Writing and Critical Thinking		
WRIT 101 & CRTW 201	Composition; Critical Reading, Thinking & Writing	6
Quantitative Skills		
MATH 105 (101 is prerequisite) or 150	Applied Calculus, Introductory Discrete Mathematics	3
Logic/Language/Semiotics		
MATH, CSCI, Foreign Languages, PHIL 220 or 225, SPCH 201		6
Technology Requirement	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.	0-3
Skills for a Common Experience and Thinking Across Disciplines		3-9
HMPX 102	The Human Experience	3
Global Perspectives	See approved list, p.16	0-3
Historical Perspectives	See approved list, p. 16	0-3
Developing Critical Skills and Applying them to Disciplines		19
Social Science (2 designators)		
ECON 103~ or PLSC 201~	Intro to Political Econ or American Govt	3
GEOG 101, PSYC 101, ECON, PLSC, or SOCL	See approved list, p. 16	3
Humanities and Arts (2 designators)		
THRT 386+	Theatre History and Literature II	0*
Elective	See approved list, p. 16; must have 2 additional courses not THRA, THRT, or THED.	6
Natural Science (2 designators)	See approved list, p. 16; must include at least one lab.	7
Theatre Major Courses		48
THRT 110	Introduction to Design for Theatre	3
THRT 115	Introduction to Production	3
THRT 210	Script Analysis	3
THRT 385	Theatre History and Literature I	3
THRT 386	Theatre History and Literature II	3

COLLEGE OF VISUAL & PERFORMING ARTS--THEATRE DESIGN/TECHNICAL

THRA 120 ¹	Acting I	3
THRA 160	Stage Make-Up	3
THRA 180	Technical Theatre Practicum: Running Crew	0
THRA 220	Voice and Movement for the Actor	3
THRA 320	Acting II	3
THRA 330	Stage Management	3
THRA 331	Directing I	3
THRA 421, 422	Acting Styles I & II	6
Two courses required in dance technique with the DANA designator		2
Electives selected from: MUSA 101D, 151, 152, 153, 154, 171, 172, 271, 272; SPCH 203; PHED 106, 205, 230, 266, 282; ENGL 305, ENGL 325, THED 321 and any other DANA, THRA, THRT, and THED courses open to majors (THRA 370 may be repeated for up to 6 hours credit)		10
Minor & General Electives		29-38
Total		124

Theatre majors must earn a grade of C or better in all courses in their major program.

*Hours counted in the major.

¹Meets Oral Communication Requirement

+Meets Intensive Writing Requirement

~Meets Constitution Requirement

Bachelor of Arts in Theatre with Design/Technical Emphasis

General Education Courses		Semester hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		15-18
Writing and Critical Thinking		
WRIT 101 & CRTW 201	Composition; Critical Reading, Thinking & Writing	6
Quantitative Skills		
MATH 105 (101 is prerequisite) or 150	Applied Calculus, Introductory Discrete Mathematics	3
Logic/Language/Semiotics		
MATH, CSCI, Foreign Languages, PHIL 220 or 225, SPCH 201		6
Technology Requirement		
	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.	0-3
Skills for a Common Experience and Thinking Across Disciplines		3-9
HMPX 102	The Human Experience	3
Global Perspectives		0-3
Historical Perspectives		0-3
Developing Critical Skills and Applying them to Disciplines		19
Social Science (2 designators)		
ECON 103~ or PLSC 201~	Intro to Political Econ or American Govt	3
GEOG 101, PSYC 101, ECON, PLSC, or SOCL	See approved list, p. 16.	3
Humanities and Arts (2 designators)		
THRT 386+	Theatre History and Literature II	0*
Electives	See approved list, p. 16; must have 2 additional courses not THRA, THRT, or THED.	6
Natural Science (2 designators)		7
Theatre Major Courses		48
THRT 110	Introduction to Design for Theatre	3
THRT 115	Introduction to Production	3
THRT 210	Script Analysis	3
THRT 385	Theatre History and Literature I	3
THRT 386	Theatre History and Literature II	3
THRT 312	History of Dress and Décor	3
THRA 120 ¹	Acting I	3
THRA 160	Stage Make-Up	3
THRA 170, 171	Theatre Practicum: Scenic Studio/Costume	3
THRA 180	Technical Theatre Practicum: Running Crew	0
THRA 260	Stagecraft	3

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.

* Hours counted in the major.

¹Meets Oral Communication Requirement

+Meets Intensive Writing Requirement

~Meets Constitution Requirement

Bachelor of Arts in Theatre with Teacher Certification (K-12)

General Education Courses		Semester hours
ACAD 101	Principles of the Learning Academy	1
Critical Skills		15
Writing and Critical Thinking		
WRIT 101 & CRTW 201	Composition; Critical Reading, Thinking & Writing	6
Quantitative Skills		
MATH 105 (101 is prerequisite) or 150	Applied Calculus, Introductory Discrete Mathematics	3
Logic/Language/Semiotics		
MATH, CSCI, Foreign Languages, PHIL 220 or 225, SPCH 201		6
Skills for a Common Experience and Thinking Across Disciplines		
HMXP 102	The Human Experience	3
Global Perspectives	See approved list, p. 16.	0-3*
Historical Perspectives		
THRT 385	Theatre History and Literature I	0*
Developing Critical Skills and Applying them to Disciplines		
Social Science (2 designators)		
ECON 103 or PLSC 201	Intro to Pol Econ or American Govt	3
GEOG 101, PSYC 101, ECON, PLSC, or SOCL	See approved list, p. 16.	3
Humanities and Arts (2 designators)		
THED 386+	Theatre History and Literature II	0*
Elective	Must have six additional credits not THRA, THRT, or THED	6
Natural Science (2 designators)	See approved list, p. 16; must include at least one lab	7
Theatre Major Courses		
THRT 110	Introduction to Design for Theatre	3
THRT 115	Introduction to Production	3
THRT 210	Script Analysis	3
THRT 385	Theatre History and Literature I	3
THRT 386	Theatre History and Literature II	3
THRA 120 ²	Acting I	3
THRA 160	Stage Make-Up	3
THRA 180	Technical Theatre Practicum: Running Crew	0
THRA 220	Voice and Movement for the Actor	3
THRA 320	Acting II	3
THRA 330	Stage Management	3
THRA 331	Directing I	3
THRA 431	Directing II	3
THED 212	Creative Drama	3
THED 342	Theatre for Youth	3
THED 345	Exploring K-12 Theatre Education	3
THED 391	Principles of Teaching Theatre	3
THED 392	Field Experience Teaching Theatre	1
Six hours selected from THRA 260, 261, 361, 170, 171		6

COLLEGE OF VISUAL & PERFORMING ARTS--THEATRE CERTIFICATION

Education Minor Courses		29
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** ¹	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.

University College

Gloria G. Jones, Dean

Timothy Daugherty, Associate Dean

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, CRTW 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

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/triosss or in the TRiO offices.

For more information , contact: Rose Gray
TRiO Program Director
Suite 6, Crawford
803/323-4797 or 4794

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 to include 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 to include 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/SOCL 504, 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 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, 325, 422, 523, 524, and 526. Note that PSYC 101 is prerequisite for MGMT 325 and MGMT 321 is a prerequisite for all the 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 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:

ARTH 477*, ENGL 330*, HLTH 507*, HIST 310*, PLSC 337*, 371*, 553*, PSYC 308*, WMST 450.

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) |

KEY TO SUBJECT COURSE DESIGNATORS

Academy	ACAD	Integrated Marketing Communication	IMCO
Accounting	ACCT	Interior Design	INDS
African American Studies	AAMS	International Area Studies	INAS
Anthropology	ANTH	Italian	ITAL
Art	ARTS	Japanese	JAPN
Art Education	ARTE	Latin	LATN
Art History	ARTH	Leadership Studies	LEAD
Art Theory	ARTT	Management	MGMT
Athletic Training	ATRN	Marketing	MKTG
Biology	BIOL	Mass Communication	MCOM
Business Administration	BADM	Mathematics	MATH
Chemistry	CHEM	Mathematics Education	MAED
Chinese	CHIN	Modern Languages Education	MLAN
Community Volunteer Service	CMVS	Music	MUST
Computer Science	CSCI	Music Applied	MUSA
Critical Reading, Thinking & Writing	CRTW	Peace, Justice, & Conflict Resolution Studies	PEAC
Critical Thinking, Quantitative Reasoning	CTQR	Philosophy	PHIL
Dance Applied Technique	DANA	Physical Education	PHED
Dance Education	DCED	Physical Science	PHSC
Dance Theory	DANT	Physics	PHYS
Digital Information Design	DIFD	Political Science	PLSC
Early Childhood Education	ECED	Psychology	PSYC
Economics	ECON	Quantitative Methods	QMTH
Education & Curriculum & Instruction	EDCI	Reading	READ
Education, General Professional	EDUC	Religion	RELG
Elementary Education	ELEM	Science	SCIE
English	ENGL	Secondary Education	SCED
English Education	ENGE	Social Studies Education	SCST
Entrepreneurship	ENTR	Social Work	SCWK
Environmental Science/Studies	ENVS	Sociology	SOCL
Exercise Science	EXSC	Spanish	SPAN
Family & Consumer Science	FACS	Special Education	SPED
Finance	FINC	Speech	SPCH
French	FREN	Sport Management	SPMA
Geography	GEOG	Teaching Fellows	TFEL
Geology	GEOG	Theatre Applied Technique	THRA
German	GERM	Theatre Education	THED
Gerontology	GRNT	Theatre Theory	THRT
Health	HLTH	Visual Communication	VCOM
Health Care Management	HCMT	Vocational Education	VCED
History	HIST	Wellness	WELL
Honors	HONR	Women's Studies	WMST
Human Experience	HMXP	Writing	WRIT
Human Nutrition	NUTR		

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.

Examines transactions processing systems with emphasis on internal controls and documentation, user support systems, and systems development.

Prerequisite(s): ACCT 281 with a grade of C- or better.

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).

A study of the experiences of Indians, Jews, European immigrants, Afro-Americans, Chinese, Japanese, Mexicans, and Puerto Ricans in the United States.

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.

338. Government and Politics of Africa (3).

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

AFRICAN-AMERICAN STUDIES/ANTHROPOLOGY
Anthropology (ANTH)

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.

561. The History of the Caribbean (3).

The study of socioeconomic and political trends of the major islands off the Caribbean Sea from the colonial period to the present.

Notes: Cross-listed with HIST 561.

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.

202. Three Dimensional Design II (3:7).

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.

Notes: Lab Fee: \$20. Offered in fall, spring and summer.

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.

281. Computer Imaging in Design (3:0:6).

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.

320. Drawing III (3:7).

Continuation of the drawing sequence with emphasis on mixed media techniques and thematic development.

Prerequisite(s): ARTS 220.

Notes: Lab Fee: \$10. Offered fall or spring and as needed.

ART

321. Advanced Life Drawing (3:7).

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.

335. Printmaking: Serigraphy/Screen Processes (3:7).

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.

336. Printmaking: Relief (3:7).

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.

337. Printmaking: Intaglio Printing (3:7).

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.

354. Jewelry and Metals for non-ART majors (3:7).

An introduction to the materials and processes of basic metal-work and jewelrydesign 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 can not be given for ARTS 354 and ARTS 355.

Notes: Lab Fee: \$50. For non-Art majors only.

355. Jewelry and Metals I (3:0:7).

An introduction to the materials and processes of basic metal-work and jewelrydesign. 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.

356. Jewelry and Metals II (3:7).

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.

364. Digital Photography (3:0:7).

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.

371. Creative Processes in Photography (3:0:7).

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.

436. Printmaking: Lithography (3:6).

Introduction to basic techniques in stone and plate lithography.

Prerequisite(s): ARTS 336 or 337.

Notes: Lab Fee: \$75. Offered in fall and spring.

437. Intermediate Printmaking (3:7).

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.

451. Ceramics III (3:7).

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.

455. Jewelry and Metals III (3:7).

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.

456. Jewelry and Metals IV (3:7).

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.

472. Editorial Photography (3:0:7).

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.

475. Alternative Processes in Photography (3:0:7).

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 co-requisite).

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.

536. Advanced Printmaking (3:7).

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.

555. Jewelry and Metals V (3:0:7).

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.

Notes: Lab Fee: \$75. Offered in fall and spring.

572. Fashion Photography (Medium-Format) (3:1:6).

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.

573. Photography Thesis Project (3:1:6).

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 573.

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.

584H. Special Topics in Art (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.

Art Education (ARTE)

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.

391. Principles of Teaching Art (3:2:2).

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.

528. Art Education Foundations and Elementary Methods (3:3:1).

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.

548. Curriculum in Art Education and Secondary Methods (3:2:2).

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 spring.

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.

340. Cooperative Education Experience (3:1:3).

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.

450. Honors: Selected Topics in Art History (3).

Independent research on a selected topic in art history, culminating in an honors thesis of professional quality.

Prerequisite(s): Permission of the Chair, Department of Art & Design.

Notes: Offered in once per year.

451. Art History Methods (3).

Study of the methods, research techniques, literature, and resources used in art historical inquiry and writing.

Notes: Offered in fall and spring.

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.

453. Art of the Book (3:2:2).

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, 482. Special Topics in Art History (3) (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.

483-485. 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.

359. Museum and Gallery Practices (3:0:7).

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.

498. Survival Guide for Artists (3).

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.

202. Clinical Experiences in Athletic Training II (2:0:4).

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.

302. Clinical Experiences in Athletic Training IV (2:0:4).

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.

310. Assessment of Athletic Injuries and Conditions: Lower Extremity (2).

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.

320. Assessment of Athletic Injuries and Conditions: Upper Extremity (2).

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): BIOL308 (may be corequisite).

Corequisite(s): ATRN 321.

Notes: Offered in spring.

321. Assessment of Athletic Injuries and Conditions: Upper Extremity Lab (1:0:1).

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.

330. Assessment of Athletic Injuries and Conditions: Head/Trunk (2).

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.

401. Clinical Experiences in Athletic Training V (2:0:4).

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.

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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).

300. Scientific Process in Biology (4:2:4).

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.

Prerequisite(s): HMXP 102 and General Education Math requirement.

Notes: Lab Fee: \$40. Offered in fall.

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 spring.

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 fall and spring; summer on demand.

315. Cell Biology (4:3:3).

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.

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.

321. Microscopic Anatomy (4:2:4).

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.

322. Developmental Biology (4:2:4).

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.

323. Tropical Watershed and Coastal Ecology (4:1:5).

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.

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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, 450H or 471; 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; CHEM106, 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 4 2 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 307 or 308 or permission of instructor.

Notes: Lab Fee: \$40. Offered in even spring semesters.

508. Invertebrate Biology (4:2:4).

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.

510. Vertebrate Natural History (4:2:4).

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.

511. Ornithology (4:2:4).

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 in fall.

515. Environmental Biology (4:2:4).

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 variable times.

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.

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.

527. Population Biology (4:3:3).

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.

530. Methods in Electron Microscopy (4:2:6).

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

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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.

580. Financial Markets Seminar (3).

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 may be 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 CHEM301/302 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 spring.

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 202 or 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/dibenzofuran 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): CHEM525.

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 may be 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:.67:1).

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: \$50. 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 (.5:0:1).

An introduction to the use of Adobe Photoshop.

Notes: Offered fall and spring.

101I. Learning Adobe Illustrator (.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.

242. Object-Oriented Programming for the World Wide Web (3).

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.

295. Programming in Visual Basic (1).

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.

311. Computer Architecture and Organization (3).

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.

395. Advanced Problem Solving with Rapid Prototyping (1:1:2).

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.

411. Operating Systems (3).

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.

440. Introduction to Computer Graphics (3).

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.

444. Computer Graphics Concepts and Applications (3).

This course is to acquaint the student with significant uses to which computergraphics 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.

566. 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 IIa (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.

Prerequisite(s): DANA 322 or permission of 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: \$30. Offered in fall and spring. May be repeated for credit.

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.

345. Exploring K-12 Dance Education (3:2:1).

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.

372. Dance Kinesiology (3:2:2).

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.

151. Information Design Seminar: Introduction to Information Design (1:1:0).

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.

322. Visual Design of Complex Systems (3:1:4).

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 Macfeat 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.

Education and Curriculum and Instruction (EDCI)

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.

250S. Psychology of the Learner II Practicum Secondary (0:0:2).

Classroom observation component accompanying EDUC 250. Students observe in local public secondary 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): Full admission to Teacher Education. Completion of all methods courses and core courses except EDUC 475.

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.

Elementary Education (ELEM)

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.

English (ENGL)

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 even years 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 even years in the 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 HMXF 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.

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.

Notes: A grade of S or U is recorded.

Entrepreneurship (ENTR)

All ENTR courses have a prerequisite of junior status, an overall GPA of at least 2.0, and a C- or better in HMXP 102.

370. Leadership in Free Enterprise (3).

Students will serve as the leadership for the Winthrop SIFE (Students in Free Enterprise) program. The course will utilize both classroom and field activities by mobilizing teams of students who will use their educational experiences and skills to create service learning programs, based on free enterprise, that will benefit individuals, businesses, and the community as well as the students' personal growth. The projects will be established along 5 major educational topics: market economics, success & life skills, financial literacy, business ethics, and entrepreneurship. Additionally, there will be activities related to program sustainability such as membership recruitment, planning, the Business Advisory Board, fund raising and continued institutional support. Students from this course will serve as members of the presentation team that will participate in both the SIFE regional and national competitions.

Prerequisite(s): Junior standing.

Notes: Offered periodically.

373. Introduction to Entrepreneurship (3).

This course provides an overview of entrepreneurship. Students evaluate companies using the business model to explain how the components of the venture work together to create profit. They differentiate between ideas and opportunities and do a self-assessment to determine their own strengths and weaknesses. Entrepreneurs and business professionals will interact with student to provide an entrepreneurial perspective on life.

Notes: Offered in fall and spring.

374. Strategic Entrepreneurial Growth (3).

In this course students analyze the changes necessary in strategic focus, culture, and management style as an entrepreneurial enterprise grows over time. The course covers family-owned businesses, succession planning, entrepreneurship, franchising, and negotiations of deal structures. It is beneficial for students interested in understanding business growth and also those considering employment in small firms.

Prerequisite(s): ENTR 373.

Notes: Offered in fall.

473. Entrepreneurial Finance (3).

This course focuses on acquiring money to finance the startup and growth of a venture. It covers various financing methods and mechanisms available to entrepreneurs such as bootstrapping, angel investors, private placements, venture capital, debt financing, and others. Firm valuation and initial public offerings are also explored.

Prerequisite(s): ENTR 373 and ACCT 280.

Notes: Offered in spring.

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.

495. Independent Research in the Environment I (3).

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/FAMILY & CONSUMER SCIENCES/FINANCE

Prerequisite(s): ENVS 101, 495, Environmental Studies/ Sciences major with at least Junior standing.

Notes: Offered in fall and spring.

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.

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.

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 in good standing.

Notes: A grade of S or U is recorded. Course may be 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.

Notes: Lab Fee: \$25. Offered in fall.

401. Consumer Economics (3).

Consumer Economics focuses on the global nature of our economy and the types of decisions needed to become a rational and discerning consumer.

Prerequisite(s): Restricted to Family and Consumer Sciences majors.

Notes: Offered in spring.

500. Contemporary Issues of Families, Communities and Professions (3).

This course will examine issues that influence families across the lifespan; roles and responsibilities of individuals within the family; family and consumersciences professions and its place in 21st century communities.

Prerequisite(s): Restricted to Family and Consumer Sciences majors.

Notes: Offered in spring.

501. Residential Technology (3:2:1).

This course examines technological changes, trends, and issues that affect the family residence. Practical information is provided about planning, building, and maintaining a home.

Prerequisite(s): Restricted to Family and Consumer Sciences majors.

Notes: Lab Fee: \$25. Offered in spring.

502. Family Resource Management (3).

This course focuses on the tools required by the Family and Consumer Sciences professional to assist others in achieving a sense of security, understanding resources available, and effectively managing resources in order to improve the well-being of families throughout the life span.

Prerequisite(s): FACS 401; restricted to Family and Consumer Sciences majors in good standing..

Notes: Offered in fall.

Finance (FINC)

101. Personal Finance (3).

A very practical course that emphasizes the development of a personal financial plan to achieve goals and objectives.

All FINC 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.

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, Performance statements, time value of money, and working capital management.

Prerequisite(s): A C or better in FINC 311.

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 should take the departmental placement test before enrolling in this course.

Notes: Lab Fee: \$25. Offered in fall, spring and summer.

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.

FRENCH

201. Intermediate French (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 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.

202. Intermediate French Composition and Conversation (3:2:1).

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 s 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.

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.

GEOGRAPHY/GEOLOGY

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.

501. Geographical Information Systems (3:2:2).

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.

525. 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.

110. Physical Geology (3).

An introduction to the major geologic processes which shape the earth.

Corequisite(s): GEOL 113.

Notes: A student may not receive credit for GEOL 110 and 101, 102, or 120. Offered in fall, spring and summer.

113. Physical Geology Laboratory (1:0:3).

Laboratory studies of minerals, rocks, age dating, topographic and geologic maps, groundwater, streams, mass wasting, volcanism, earthquakes, and Plate Tectonics.

Corequisite(s): GEOL 110.

Notes: Lab Fee: \$40. Offered in fall and spring.

201. Natural Disasters (4:3:2).

A survey of earthquakes, volcanoes, and other catastrophic natural disasters with emphasis on causes, effects, and human adjustments.

Notes: Offered as needed.

210. Historical Geology (3).

A study of the origin and evolution of the earth's crust, its major features and its occupants.

Notes: Offered in fall.

211. Historical Geology Laboratory (1:0:3).

This course offers opportunities to develop skills in many of the scientific methods used to discern and interpret earth's geological history and to study models of earth's evolution.

Prerequisite(s): GEOL 210 prerequisite or corequisite.

Notes: Lab Fee: \$40. Offered as needed.

220. Oceanography (3).

An examination of the major features of the ocean and the chemical and geologic processes responsible for them.

Notes: Offered in fall.

250. Earth and Space Systems (3).

A survey of fundamental laws, principles and concepts of geology, meteorology, oceanography and astronomy. Restricted to ECED, ELEM and SPED majors. Students may not receive credit for GEOL 250 and 101 or 102 or 110/113.

Prerequisite(s): PHYS 250/251.

Corequisite(s): GEOL 251.

Notes: Offered in fall and spring.

251. Earth and Space Systems Laboratory (1:0:3).

A laboratory to accompany GEOL 250.

Prerequisite(s): PHYS 250/251.

Corequisite(s): GEOL 250.

Notes: Lab Fee: \$40. Restricted to ECED, ELEM and SPED majors. Offered in fall and spring.

305. Introduction to Geographic Information Systems (3).

Course discusses solving problems with spatial analysis by using geographic information systems, a powerful technology that combines 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 consent of the instructor.

Notes: Cross-listed with GEOG 305.

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. Elementary 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.

202. Intermediate German Conversation (3:2:1).

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.

GERMAN/GERONTOLOGY

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 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.

Notes: Offered in fall and spring.

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.

Prerequisite for all 500 level German courses: completion of 18 semester hours of German including German 499 or equivalent or permission of the Department Chair.

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): Minor 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.

GERONTOLOGY/HEALTH/HEALTH CARE MANAGEMENT

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.

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.

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).

A study of the experiences of Indians, Jews, European immigrants, Afro-Americans, Chinese, Japanese, Mexicans and Puerto Ricans in the United States.

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.

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.

355A, B, C. Traveling Seminar in History (1)(2)(3).

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.

HISTORY

Notes: Offered variable times.

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.

472. Undergraduate Research in History (2).

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.

509. African-American History (3).

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).

A study of industrialization, populism, urbanism, Social Darwinism, imperialism, Progressivism, World War I and its aftermath.

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 dominant 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 Quing 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.

Notes: Offered in fall, spring and summer.

451H. Honors Thesis Symposium (1:1:0).

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 (HMPX)**102. The Human Experience: Who Am I? (3).**

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 HMPX 102. Offered in fall, spring and summer.

Human Nutrition (NUTR)**201. Investigative Science: Human Nutrition (4:2:2).**

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): HMPX 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.

HUMAN NUTRITION

Notes: Offered in spring and fall.

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.

371. Foodservice Systems (3).

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.

427. Principles of Clinical Nutrition (3).

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.

553. Special Topics in IMC (3).

Prerequisite(s): Junior standing, 2.0 GPA and permission of instructor.

Notes: Offered variable times. May be retaken for additional credit.

Interior Design (INDS)

101. Interior Design Fundamentals (3).

A survey of the interior design profession and allied fields, professional societies, the professional licensing

examination, and interior design curriculum and competencies based upon current Interior Design accreditation educational standards.

Prerequisite(s): INDS 111, VCOM 120.

Notes: Lab Fee: \$15. Offered in fall. Open to INDS declared majors ONLY.

111. Interior Design Studio: Fundamentals (3:1:4).

Applied two- and three-dimensional design (elements and principles) and the relationship to interior space will be emphasized. Color theory, color systems and the effect of natural and artificial light on color perception will also be explored.

Corequisite(s): INDS 101, VCOM 120.

Notes: Lab Fee: \$40. Offered in fall.

213. Spatial Analysis and Theory I (3:1:4).

A study of the applied 2- and 3-dimensional elements and principles of design for the Interior Design student. Introduces concepts such as human scale, humanfactors, proxemics, and anthropometrics.

Prerequisite(s): INDS 101, INDS 111, VCOM 120.

Corequisite(s): INDS 223, INDS 300.

Notes: Lab Fee: \$45. Offered in Spring only.

223. Presentation Techniques I (3:1:4).

A design fundamentals course that introduces the manual (non-computer) production of industry standard types of drawings used by interior designers. Primarily black-and-white rendering skills and techniques with limited application of color, emphasizing rendering skills and development of 3D drawings used in the design process using industry-standard media.

Prerequisite(s): INDS 101, INDS 111, VCOM 120.

Corequisite(s): INDS 213, INDS 300.

Notes: Lab Fee: \$45. Offered in spring only.

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

INTERIOR DESIGN

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 Sp ring 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.

313. Spatial Analysis and Theory II (3:1:4).

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.

323. Presentation Techniques II (3:1:4).

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.

326. Introduction to Building Systems (3:2:2).

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.

329. Interior Design Contract Documents (3:2:2).

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.

353. Interior Design Studio I (3:1:4).

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.

357. Interior Design Studio II (4:1:6).

Advanced residential interior design with an emphasis on larger scale interior environments and various residential options for the aging America population, or

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.

425. Advanced Computer Applications for Interior Design (3:2:2).

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 353, 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.

443. Textile Design: Structural (3:0:7).

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.

453. Interior Design Studio III (4:1:6).

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 INDS 432 and INDS 453.

455. Interior Design Studio IV (4:1:6).

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 INDS 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 consistof 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.

320. International Service Learning (3:1:2).

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.

520. International Service Learning (3:1:2).

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 (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)

101. Elementary Japanese (4).

Introduction to elementary Japanese language with emphasis on the four skills of conversation, comprehension, reading and writing.

Notes: Lab Fee: \$25. Offered in fall.

102. Elementary Japanese (4).

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)

101. Elementary Latin (4).

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: BADM majors only. Permission of instructor required. A grade of S or U is recorded.

523. Collective Bargaining and Labor Relations (3).

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).

Cultural, legal and ethical context of international management. International strategic, operational, human resources and information systems management. Organization and control systems. Cross-cultural issues in communication, leadership, motivation, negotiation and teamwork.
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 principles 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

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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.

333. News Editing (3:2:2).

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.

342. News Reporting (3:2:2).

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

publication.

Prerequisite(s): C- or better in MCOM 241 and 2.00 GPA or written permission of department chair.

Notes: Lab Fee: \$25. Intensive Writing course. Offered variable times.

346. Principles of Television Production (3:2:2).

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.

348. Broadcast Performance (3:2-1).

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 2.00 GPA or written permission of department chair.

Notes: Lab Fee: \$25. Offered in spring.

350. History of American Mass Media (3).

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.

Notes: Offered at variable times.

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.

425. Advanced Broadcast Journalism (3:2:2).

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.

441. Reporting Public Affairs (3).

Instruction and practice in reporting all areas of public affairs, including government and the courts. Use of precision journalism techniques and investigative reporting of special in-depth subjects.

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: Intensive Writing course. Offered in spring.

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): 12 hours of MCOM and minimum 2.0 GPA or permission.

Notes: Offered variable times.

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.

450. Honors: Special Topics in Mass Communication (3).

An independent inquiry in depth into a selected topic in mass communication.

Prerequisite(s): Written proposal, 18 hours of MCOM and approval of the department chair.

Notes: Individually arranged.

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 with a 3.0 or higher GPA and an overall 2.75 or higher GPA; written proposal and approval of department chair.

Notes: May be repeated. A grade of S or U will be assigned. Individually arranged.

494. 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.

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.

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: Offered in fall, spring and as needed in summer. 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,

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 necessary 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 solve problems 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.

202. Calculus II (4).

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.

292. Number, Measurement, and Geometry Concepts for Teachers (3:3:1).

In depth study of the meaning and application of rational numbers, basic geometric concepts, and measurement.

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

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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.

546. Applied Statistics for the Sciences (3).

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 may be 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 351 or equivalent.

Notes: Offered variable times.

553. Theory of Numbers (3).

Divisibility, primes, congruences, special functions, continued fractions and rational approximations.

Prerequisite(s): MATH 351 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.

548. Secondary Math Curriculum and Pedagogy Issues (3:3:1).

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 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 sequences 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 spring. Intensive Writing course.

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.

311. Music Theory V-20th Century (2:2:0).

An expansion of the materials of MUST 212 and the presentation of contemporary (20th Century) materials

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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.

318. Intermediate Conducting: Choral/Instrumental (3:4).

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 instrumental 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.

590. Principles of Teaching Music: Elementary (3).

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.

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591. Principles of Teaching Music: Secondary (3).

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 instrumentalists, 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.

271-272. Voice Class (1:2) (1:2).

Continued study of vocal fundamentals with emphasis on practical application.

Prerequisite(s): MUSA 172 or permission of the instructor.

231. 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.

232. 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.

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.

296. Voice Methods (1:2:0).

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.

Peace, Justice & Conflict Resolution (PEAC)

200. An Introduction to Peace, Justice, and Conflict Resolution Studies (3).

PEAC 200 seeks to introduce students to the study of peace and conflict resolution. Students study the philosophy of peace studies, the major events in the quest for peace and justice throughout the world, and the lives of peace activists and scholars.

Prerequisite(s): WRIT 101.

Notes: Offered in fall.

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, Heidegger, 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.

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. Taekwondo (1).

This course will provide fundamental skill development in the Korean martial art of Taekwondo. The focus is on the self-development through self-defense skills.

Notes: Lab Fee: \$20. Offered in fall and spring.

112. Movement Concepts (3:2:2).

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 movements. 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.

202. Concepts of Fitness and Exercise (2).

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.

223. Group Facilitation and Leadership (2).

This course is designed to allow students the opportunity to practice group facilitation techniques and leadership skills. Students will be both participants and leaders on the low and high ropes courses while practicing their group facilitation skills. The experiential learning cycle and the cycle's impact on learning will be an important focus of the course. Students will have the opportunity

to implement both basic and advanced debriefing and facilitation techniques.

Notes: Offered in fall.

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.

230. Beginning Fencing (1:2).

Notes: Lab Fee: \$20. Offered in fall and spring.

231. Fitness for Life (2).

A participation/theory course in which aspects of fitness and activity are studied.

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Notes: Offered in fall and spring.

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 a 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.

263. Handball and Racquetball (1:2).

Notes: Lab Fee: \$20. Not offered this academic year.

264. Fitness/Wellness Careers Laboratory (1).

The course will provide opportunities for students to have observation/participation experiences in fitness/wellness settings. Each student will participate in three different areas related to the fitness/wellness cognates. Course will include seminars with instructor, other students, and professionals from different areas in which observation/participation experiences are scheduled. Prerequisite(s): PHED 101.

Notes: 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 and spring.

307. Outdoor Education: Theory and Practice (2:1:2).

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.

348. Physical Education Curriculum & Methodology for the Young Children in Grades K-5 (3:2:4).

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.

Notes: Offered in fall.

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 spring.

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.

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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.

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.

480. Exercise Testing and Prescription (3:2:2).

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.

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. 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.

PHYSICAL EDUCATION/PHYSICAL SCIENCE/PHYSICS**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.

Physical Science (PHSC)**101. Physical Science (3).**

A survey of the basic principles, laws and methodology in Physics and Astronomy.

Notes: Offered as 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 (PHYS)**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.

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Corequisite(s): PHYS 101.

Notes: Lab Fee: \$40. Offered in summer.

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. A student may not receive credit for both PHYS 201 and 211 and for both PHYS 202 and 212. Offered in fall.

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 spring.

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 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.

331. Engineering Mechanics: Statics (3).

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.

332. Engineering Mechanics: Dynamics (3).

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).

The organization and procedures of the United Nations. Preparation for participation in a model United Nations.

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 spring.

302. Government of South Carolina (3).

The study of the government of South Carolina with particular emphasis on current and perennial problems.

Prerequisite(s): PLSC 202 or permission of instructor.

Notes: Offered variable times.

305. The National Executive (3).

Study of the contemporary U.S. Presidency and the Executive Branch.

Prerequisite(s): PLSC 201 with a grade of C or better, or permission of instructor.

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.

311. Constitutional Law: Federalism and Institutions (3).

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, equity, 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 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.

338. Government and Politics of Africa (3).

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.

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.

362. Collegiate Model United Nations (1).

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.

POLITICAL SCIENCE/PSYCHOLOGY

Notes: May be retaken for additional credit. Offered at variable times.

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): HMXP 102, or graduate status, or permission of instructor.

Notes: Cross-listed with WMST 553. Offered alternate fall semesters.

Psychology (PSYC)

101. General Psychology (3).

Introductory survey of the entire field of psychology.

Notes: Offered in fall, spring and summer.

198. Psychology as a Discipline and Profession (1).

Introduction to Psychology as a discipline and profession, intended for psychology majors and those considering psychology as a career choice.

Notes: Offered in fall and spring.

206. Developmental Psychology (3).

A survey course of theory and research examining the changes and consistencies associated with development from conception to death. Infancy, childhood, adolescence, and early, middle, and late adulthood will be examined.

Prerequisite(s): PSYC 101.

Notes: Students who have received credit for PSYC 306 or 307 may not receive credit for this course. Offered fall, spring and summer.

301. Statistics (4:3:2).

Study of descriptive and inferential statistics as they apply to the behavioral sciences.

Prerequisite(s): PSYC 101 and General Education Math requirement.

Notes: Lab Fee: \$30. Offered in fall, spring and summer.

302. Research Methods in Psychology (4:3:2).

Study of the scientific methods used in research including an opportunity to conduct research.

Prerequisite(s): PSYC 301.

Notes: Lab Fee: \$30. Intensive Writing Course. Offered in fall, spring and summer.

305. Social Psychology: The Individual and Other People (3).

Examination of the intrapersonal factors that influence human social behavior.

Prerequisite(s): PSYC 101.

Notes: Offered in fall, spring and summer.

308. Psychology of Women (3).

Intensive study of the research and issues in psychology that pertain specifically to women.

Prerequisite(s): PSYC 101.

Notes: Offered in fall and spring.

311. Ecological Psychology (3).

Study of modern self-conception from naturalistic, environmental perspective.

Prerequisite(s): PSYC 101.

Notes: Offered in fall.

313. Abnormal Psychology (3).

Introduction to the disorders of behavior.

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 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 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 PSYC101.

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.

508. Principles of Learning: Cognition (3).

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.

Notes: Offered on demand.

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.

314. New Testament (3).

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.

222. Field Studies in Science (6:3:9).

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.

223. Natural History and Environmental Issues in Tropics (4:1:5).

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.

321. Social Welfare as a Social Institution (3).

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.

330. Research Methods for Social Work (3).

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.

395. Social Work Intervention I (3).

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 currently), 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.

434. Interpersonal Helping Skills in Social Work Practice (3).

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.

523. Families & Children: Policy & Services (3).

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 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)

101. Social Problems and Social Policy (3).

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 terms.

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.

SOCIOLOGY

Prerequisite(s): SOCL 101 or 201 or RELG 201, or permission of instructor.

Notes: Offered variable times.

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, SOCL463-464 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 SOCL 516, SOCL 302 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, and 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.

SPANISH

Notes: Lab Fee: \$25. Offered in fall, spring and summer.

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.

202. Intermediate Spanish Conversation (3:2:1).

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 Rodó.

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 Echeverría 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. C 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.

SPECIAL EDUCATION

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.

561. Characteristics of Children with Learning Disabilities (3).

An overview of the learning, behavioral and neurological characteristics of children with specific learning disabilities, including terminology and educational implications.

Prerequisite(s): SPED281, 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): SPED281, 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.

586. Advanced Academic and Behavioral Methods in Emotional and Learning Disabilities (3).

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).

A study of the development of phonology in the English language. An introduction to the International Phonetic Alphabet and practice in transcription of vowels and consonants.

Notes: Offered in fall and spring.

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.

Notes: Offered in fall and spring.

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).

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).

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.

173. Technical Theatre Practicum: House Management (1:0:4).

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.

220. Voice & Movement for the Actor (3:6).

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, 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.

Prerequisite(s): THRT 110, 115, 210, THRA 120, and 180 with a grade of C or better in each course.

Notes: Offered in spring 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.

321. Stage Combat (3).

Advanced techniques of stage combat training and safety in areas of unarmed combat, falls, rapier and dagger, and quarterstaff. Emphasis on safety, technical proficiency, and emotional investment in the actions of stage violence.

Prerequisite(s): THRA 220.

Notes: Lab Fee: \$50. Offered in spring of alternate years.

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 *comedia 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 curricular are 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.

210. 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.

397. Special Topics in Theatre (3:2:2).

Extension of individual opportunities in theatre beyond existing departmental curriculum limits.

Notes: Lab Fee: \$40. 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.

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 curriculum 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.

120. Design Drawing (3:1:4).

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.

121. Design Drawing II: Structure and Form (3:1:4).

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

150. Design Studio Skills (3:1:4).

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.

151. Design Fundamentals (3:1:4).

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.

154. Design and Color (3:1:4).

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.

222. Visual Thinking and Symbolic Communication (3:1:4).

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 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.

261. Introduction to Computer Imaging (3:1:4).

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.

262. Introduction to Web Design (3:1:4).

Study, create and implement html (hyper text markup language) and Javascript web sites. The course will deal

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.

320. Illustration: Comparative Anatomy (3:1:4).

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.

325. Illustration: Portraiture (3:1:4).

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.

355. Design Concepts (3:1:4).

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.

358. Intermediate Typography (3:1:4).

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.

362. Interactive Media (3:1:4).

Course covers advanced issues of web design such as usability, organization of visual elements and technical problem solving. Dynamic web pages and databasesystems 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.

363. Multimedia Design I (3:1:4).

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.

VISUAL COMMUNICATION

Notes: Lab Fee: \$40. Offered in spring.

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.

392. 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: 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.

420. Illustration: Heroes and Antiheroes (3:1:4).

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.

424. Illustration: Sequential Storytelling (3:1:4).

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.

425. Illustration: Persuasion and Propaganda (3:1:4).

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.

427. Illustration: Narrative and Editorial (3:1:4).

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.

453. Corporate Identity (3:1:4).

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.

455. Three-Dimensional Graphic Design (3:1:4).

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.

462. Interface Design in Alternative Media (3:1:4).

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.

463. Multimedia Design II (3:1:4).

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.

501. Visual Communication Seminar III (1:0:2).

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.

578. Professional Portfolio and Practices (3:0:6).

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.

Vocational Education (VCED)

450. Honors: Selected Topics in Vocational Education (3).

Preparation and execution of an honors project.
Prerequisite(s): 16 semester hours in NUTR, VCED course and consent of faculty adviser.
Notes: A grade of S or U is recorded. Not offered this academic year.

491. Cooperative-Internship Experience (3).

A cooperative-internship experience providing training in a professional environment. A maximum of 3 hours of cooperative-internship experience credit may be applied toward any Bachelor of Science degree in the College of Education.
Notes: A grade of S or U is recorded. Offered in fall and spring.

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.

551 thru 569. Special Topics: Vocational Education (1) (2) (3).

Application of research to current problems in teaching.
Notes: Not offered this academic year. May be retaken for additional credit.

Wellness (WELL)

301. Wellness: Health Risk Assessment and Management (3).

Health risk evaluation and identification of relationships among nutrition, anthropometric measurements, substance abuse, emotions, stress, and health.
Notes: Offered on demand.

Women's Studies (WMST)

300. Introduction to Women's Studies (3).

An interdisciplinary, multicultural study of women's roles and their contribution to the liberal arts. Historical, anthropological, biological, and artistic influences affecting women will be examined. Recommended for students with sophomore standing or higher.
Notes: Offered in fall.

308. Psychology of Women (3).

Intensive study of research and issues in psychology that pertain specifically to women.
Prerequisite(s): PSYC 101.
Notes: Cross-listed with PSYC 308. Offered fall and spring.

310. 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: Cross-listed with HIST 310. Offered variable times.

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 and spring.

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, ENV5, GEOG, GEOL, GRNT, NUTR, MATH, PHYS, PSYC, PSYC, SCIE, or WELL, or permission of the instructor; or graduate status.

Notes: Intensive Writing and Intensive Oral Communication course. Offered in spring of odd years.