

Fayetteville State University  
Established 1867

# Undergraduate Catalog 2009-2010



**Fayetteville State University**  
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**Fayetteville State University is a Constituent Institution of the University of North Carolina**

*Fayetteville State University is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, gender, sexual orientation<sup>1</sup>, age or disability. Moreover, Fayetteville State University values diversity and actively seeks to recruit talented students, faculty, and staff from diverse backgrounds.*

<sup>1</sup> FSU recognizes that sexual orientation is not a protected category under federal or state laws; and, thus recognizes sexual orientation as a protected category only as it relates to internal university matters that do not contravene federal or state law.

*Fayetteville State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number: 404-679-4501) to award the bachelors, master's, and doctoral degrees.*

*Fayetteville State University, in keeping abreast of ever-changing times, reserves the right to change, delete, or add to any part of this publication as it deems necessary for the good of the university. Every attempt will be made to keep changes to a minimum and to communicate changes to all students.*

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# CHANCELLOR'S MESSAGE



Dear Bronco:

Welcome to the Fayetteville State University family! I am pleased that you have selected FSU, the second-oldest public university in North Carolina, for your undergraduate studies.

FSU provides a high-quality education to more than 6,200 undergraduate and graduate students. Our university provides academic programs in the humanities and social sciences, in basic and applied sciences, in teacher education, and in business and economics. We have offered teacher-education programs since our genesis in 1867; a four-year nursing program, forensic science, and fire science are among our newest programs.

We have almost 250 faculty members whose first priority is the facilitation of your learning. Among the faculty, you will find award-winning scholars and researchers who have also won accolades in teaching. In addition, you will work with professors who include undergraduate students in their research projects, which are often funded by agencies such as the National Aeronautics and Space Administration, the U.S. Department of Education, the National Science Foundation, the National Institutes of Health, and the Rockefeller Foundation.

Our campus is experiencing a renaissance. New buildings are being erected, while existing buildings are being renovated—all so that you will have modern facilities in an attractive and comfortable setting. The grounds are constantly groomed. Our residence halls are all air conditioned and are constantly being improved for your comfort and safety. The campus is fully wired; you will have access to state-of-the-art technology seven days a week for up to 18 hours daily.

To ensure that students have multi-faceted experiences during their university years, FSU offers an array of extracurricular activities, community-service and internship opportunities, and student organizations designed to help you to develop your leadership skills, to foster your sense of civic responsibility, and to broaden your cultural and intellectual horizons. We are home to a number of championship sports teams—in football and golf, for example. We sponsor an annual Chancellor's Speakers Series featuring nationally prominent individuals. We offer a range of activities such as the annual Miss FSU and Mr. FSU competitions.

Inside this catalog you will find important information about the 43 baccalaureate-degree programs that are available to you on the undergraduate level. Your guide to the university, the catalog also includes all university centers, programs, and policies. Please review it carefully so that you learn about the support services and opportunities that we have put in place to meet your needs.

Our goal is to ensure that you will graduate with the skills, knowledge, values, and attitudes required for success in the larger world in which you live and work after you earn your bachelor's degree. We embrace you as an FSU student, and we commit to doing everything in our power to make your years with us a productive, positive experience. We look forward to the day when we can count you among our thousands of outstanding Bronco alumni.

Sincerely,

James A. Anderson

Chancellor

## For More Information

Academic Records and Transcripts .....	910-672-1185	Criminal Justice .....	910-672-1478
Admissions .....	910-672-1371	English and Foreign Languages.....	910-672-1416
Admissions – Toll Free.....	800-222-2594	Government and History .....	910-672-1573
Alumni Affairs.....	910-672-1473	Mathematics and Computer Science.....	910-672-1294
Athletics .....	910-672-1314	Military Science .....	910-672-1942
Bookstore .....	910-672-1277	Natural Sciences.....	910-672-1691
Center for Personal Development .....	910-672-1203	Nursing .....	910-672-1924
Chancellor’s Scholars .....	910-672-1814	Performing and Fine Arts.....	910-672-1571
Dining Services.....	910-323-0294	Psychology.....	910-672-1413
Financial Aid .....	910-672-1325	Sociology.....	910-672-1122
Fort Bragg – Pope Air Force Education Center .....	910-497-9111	Social Work .....	910-672-1210
Handicapped Students .....	910-672-1222	<b>School of Business and Economics.....</b>	<b>910-672-1267</b>
Health Services .....	910-672-1454	Accounting .....	910-672-1591
Library Services .....	910-672-1231	Finance, Economics, Entrepreneurship, and Marketing .....	910-672-1618
Micro-Computer Resource Center.....	910-672-1819 or 672-1031	Management.....	910-672-1595
Office of School Services .....	910-672-1265	<b>School of Education.....</b>	<b>910-672-1265</b>
Public Education Outreach.....	910-672-1814	Educational Leadership .....	910-672-1731
Registrar.....	910-672-1185	Elementary Education .....	910-672-1538
Security .....	910-672-1341	Health, Physical Education, and Human Services .....	910-672-1314
Student Academic Services Center .....	910-672-1205	Middle Grades, Secondary, and Special Education .....	910-672-1181
Student Activities.....	910-672-1166	<b>Graduate Studies.....</b>	<b>910-672-1498</b>
Student Affairs .....	910-672-1201	Doctor of Education.....	910-672-1810
Student Support Services.....	910-672-1172	Master of Business Administration.....	910-672-1197
Summer School.....	910-672-1483	Master of School Administration .....	910-672-1810
Testing.....	910-672-1301	Master of Education .....	910-672-1257
Tuition and Fees.....	910-672-1155	Elementary Education .....	910-672-1257
Veterans’ Affairs .....	910-672-1628	Middle Grades Education .....	910-672-1182
Weekend and Evening College .....	910-672-1064	Reading Education .....	910-672-1257
University College .....	910-672-1060	Secondary Education .....	910-672-1182
College of Arts and Sciences .....	910-672-1681	Special Education .....	910-672-1182
Aerospace Studies .....	910-672-1464	Master of Arts in English .....	910-672-1416
		Master of Arts in History .....	910-672-1573
		Master of Arts in Political Science .....	910-672-1573
		Master of Arts in Psychology.....	910-672-1413
		Master of Arts in Sociology.....	910-672-1122
		Master of Science in Biology.....	910-672-1691
		Master of Science in Mathematics.....	910-672-1294
		Master of Social Work .....	910-672-1210



## Academic Calendars

Fall 2009 Semester		
April 13	Monday	Pre-registration begins
July 31	Friday	Pre-registration ends
August 3	Monday	Bill clearance deadline for pre-registered students (5:00 pm) Pre-registration canceled for students who do not make initial payment or have financial aid completed
August 10	Monday	Registration begins
August 12	Wednesday	Bronco Kick-Off Faculty-staff conference
August 13	Thursday	Bronco Kick-Off Faculty-staff conference
August 15	Saturday	New students arrive
August 19	Wednesday	Registration ends
August 20	Thursday	First day of classes
August 20	Thursday	Late registration begins (\$20.00 fee)
August 26	Wednesday	Late registration ends; tuition and fees will not be reduced for withdrawals from individual classes after this date No charge for classes dropped before this deadline; students are not permitted to attend classes for which they are not registered
August 27	Thursday	Interim grading period begins Faculty assign grades of X (No Show); EA (Excessive Absences); F (Failure)
August 27	Thursday	Class withdrawals begin Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours included in attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") No adjustment of tuition and fees for withdrawal from individual classes.
August 27	Thursday	University withdrawal (withdrawal from all classes) begin WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
August 28	Friday	Last day to submit health insurance waiver Students who do not submit health insurance waiver by this date will be charged for university health insurance.
September 1	Tuesday	Deadline for X (No-Show) grades Faculty assign X grade to students on class roster, but who have never attended
September 7	Monday	Labor Day University closed
September 11	Friday	Issuance of financial aid refunds begin

## Academic Calendar 8

September 15	Tuesday	Fall Convocation 2:15 pm - 3:30 pm
October 8	Thursday	Midterm exams begin
October 9	Friday	Interim grading period ends Faculty assign interim grades to no-show student status at midterm
October 14	Wednesday	Midterm exams end
October 15	Thursday	Midterm break begins No classes - university open
October 16	Friday	Midterm break ends No classes - university open
October 30	Friday	Deadline for removing incomplete grades from previous semester Incomplete grades become F grades after this date
October 30	Friday	Deadline for withdrawing from class(es) Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours counted as attempted hours. No adjustment of tuition and fees for withdrawal from individual classes.
November 11	Wednesday	Veteran's Day University closed
November 18	Wednesday	Deadline for withdrawing from the university (all classes) WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
November 26	Thursday	Thanksgiving holiday University closed
November 27	Friday	Thanksgiving holiday University closed
November 30	Monday	Final exams for graduating seniors begin
December 4	Friday	Last day of classes
December 5	Saturday	Final exams begin (for students not graduating)
December 5	Saturday	Final exams for graduating seniors end
December 7	Monday	Final grades for graduating seniors due
December 11	Friday	Final exams end (for students not graduating)
December 12	Saturday	Commencement (9:00 am)
December 15	Tuesday	Final grades due for students not graduating
December 21	Monday	Christmas holidays begin - University closed
December 29	Tuesday	Christmas holidays end
January 1	Friday	New Year's Day - University closed

### Fall 2009 Eight-Week Term I

April 13	Monday	Pre-registration begins
July 31	Friday	Pre-registration ends



*Academic Calendars - 9*

August 3	Monday	Bill clearance deadline for pre-registered students (5:00 pm) Pre-registration canceled for students who do not make initial payment or have financial aid completed
August 10	Monday	Registration begins
August 12	Wednesday	Bronco Kick-Off Faculty-staff conference
August 13	Thursday	Bronco Kick-Off Faculty-staff conference
August 19	Wednesday	Registration ends
August 20	Thursday	First day of classes
August 20	Thursday	Interim grading period begins Faculty assign grades of X (No Show); EA (Excessive Absences); F (Failure)
August 20	Thursday	Late registration begins (\$20.00 fee)
August 26	Wednesday	Late registration ends; tuition and fees will not be reduced for withdrawals from individual classes after this date No charge for classes dropped before this deadline; students are not permitted to attend classes for which they are not registered
August 27	Thursday	Class withdrawals begin Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours included in attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") No adjustment of tuition and fees for withdrawal from individual classes.
August 27	Thursday	University withdrawal (withdrawal from all classes) begin WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
August 28	Friday	Last day to submit health insurance waiver Students who do not submit health insurance waiver by this date will be charged for university health insurance.
September 1	Tuesday	Deadline for X (No-Show) grades Faculty assign X grade to students on class roster, but who have never attended
September 7	Monday	Labor Day University closed
September 11	Friday	Issuance of financial aid refunds begin
September 15	Tuesday	Fall Convocation 2:15 pm - 3:30 pm
September 25	Friday	Interim grading period ends Faculty assign interim grades to show student status at midterm
October 2	Friday	Deadline for withdrawing from class(es) Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours counted as attempted hours. No adjustment of tuition and fees for withdrawal from individual classes.
October 7	Wednesday	Deadline for withdrawing from the university (all classes)

*Academic Calendar 10*

		WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
October 14	Wednesday	Last day of classes Final exams are given on last day of classes in 8-week classes
October 16	Friday	Final grades due

Fall 2009 Eight-Week Term II		
April 13	Monday	Pre-registration begins
July 31	Friday	Pre-registration ends
August 3	Monday	Bill clearance deadline for pre-registered students (5:00 pm) Pre-registration canceled for students who do not make initial payment or have financial aid completed
August 12	Wednesday	Registration begins
August 20	Thursday	Registration ends
October 12	Monday	Registration begins for Term II only
October 16	Friday	Registration ends for Term II only
October 17	Saturday	First day of classes
October 17	Saturday	Late registration begins (\$20.00 fee)
October 20	Tuesday	Late registration ends; tuition and fees will not be reduced for withdrawals from individual classes after this date No charge for classes dropped before this deadline; students are not permitted to attend classes for which they are not registered
October 21	Wednesday	Class withdrawals begin Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours included in attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") No adjustment of tuition and fees for withdrawal from individual classes.
October 23	Friday	Interim grading period begins Faculty assign grades of X (No Show); EA (Excessive Absences); F (Failure)
November 11	Wednesday	Veteran's Day University closed
November 24	Tuesday	Interim grading period ends Faculty assign interim grades to show student status at midterm
November 25	Wednesday	Deadline for withdrawing from class(es) Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours counted as attempted hours. No adjustment of tuition and fees for withdrawal from individual classes.
November 26	Thursday	Thanksgiving holiday University closed
November 27	Friday	Thanksgiving holiday

		University closed
November 30	Monday	Final exams for graduating seniors begin
December 3	Thursday	Deadline for withdrawing from the university (all classes) WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
December 5	Saturday	Final exams for graduating seniors end
December 7	Monday	Final grades for graduating seniors due
December 10	Thursday	Last day of classes Final exam are given on last day of classes in 8-week classes
December 11	Friday	Final grades due for students not graduating
December 12	Saturday	Commencement (9:00 am)
December 21	Monday	Christmas holidays begin - University closed
December 29	Tuesday	Christmas holidays end
January 1	Friday	New Year's Day - University closed

Spring 2010 Semester		
November 2	Monday	Pre-registration begins
December 4	Friday	Pre-registration ends
December 7	Monday	Bill clearance deadline for pre-registered students (5:00 pm) Pre-registration canceled for students who do not make initial payment or have financial aid completed
December 14	Monday	Registration begins
January 1	Friday	New Year's Day - University closed
January 5	Tuesday	Mid-Year Conference Faculty-staff conference
January 8	Friday	Registration ends
January 9	Saturday	First day of classes
January 9	Saturday	Interim grading period begins Faculty assign grades of X (No Show); EA (Excessive Absences); F (Failure)
January 9	Saturday	Late registration begins (\$20.00 fee)
January 15	Friday	Last day to submit health insurance waiver Students who do not submit health insurance waiver by this date will be charged for university health insurance.
January 15	Friday	Late registration ends; tuition and fees will not be reduced for withdrawals from individual classes after this date No charge for classes dropped before this deadline; students are not permitted to attend classes for which they are not registered
January 16	Saturday	Class withdrawals begin Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours included in attempted

## Academic Calendar 12

		hours for financial aid eligibility. (See "Satisfactory Academic Progress.") No adjustment of tuition and fees for withdrawal from individual classes.
January 16	Saturday	University withdrawal (withdrawal from all classes) begin WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
January 18	Monday	Martin Luther King, Jr. Birthday Holiday University closed
January 22	Friday	Deadline for X (No-Show) grades Faculty assign X grade to students on class roster, but who have never attended
January 26	Tuesday	Issuance of financial aid refunds begin
February 27	Saturday	Midterm exams begin
March 5	Friday	Midterm exams end
March 6	Saturday	Midterm break begins No classes - university open
March 8	Monday	Interim grading period ends Faculty assign interim grades to show student status at midterm
March 12	Friday	Midterm break ends No classes - university open
March 26	Friday	Deadline for removing incomplete grades from previous semester Incomplete grades become F grades after this date
March 26	Friday	Deadline for withdrawing from class(es) Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours counted as attempted hours. No adjustment of tuition and fees for withdrawal from individual classes.
April 2	Friday	Spring Holiday University closed
April 23	Friday	Deadline for withdrawing from the university (all classes) WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
April 24	Saturday	Final exams for graduating seniors begin
April 30	Friday	Final exams for graduating seniors end
April 30	Friday	Last day of classes
May 1	Saturday	Final exams begin (for students not graduating)
May 3	Monday	Final grades for graduating seniors due
May 7	Friday	Final exams end (for students not graduating)
May 8	Saturday	Commencement (9:00 am)
May 10	Monday	Final grades due for students not graduating

May 10	Monday	Post-school Conference Faculty-staff conference
May 11	Tuesday	Post-school Conference Faculty-staff conference

<b>Spring 2010 Eight-Week Term III</b>		
November 2	Monday	Pre-registration begins
December 4	Friday	Pre-registration ends
December 7	Monday	Bill clearance deadline for pre-registered students (5:00 pm) Pre-registration canceled for students who do not make initial payment or have financial aid completed
December 14	Monday	Registration begins
January 8	Friday	Registration ends
January 9	Saturday	First day of classes
January 9	Saturday	Late registration begins (\$20.00 fee)
January 15	Friday	Late registration ends; tuition and fees will not be reduced for withdrawals from individual classes after this date No charge for classes dropped before this deadline; students are not permitted to attend classes for which they are not registered
January 15	Friday	Last day to submit health insurance waiver Students who do not submit health insurance waiver by this date will be charged for university health insurance.
January 16	Saturday	Class withdrawals begin Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours included in attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") No adjustment of tuition and fees for withdrawal from individual classes.
January 16	Saturday	University withdrawal (withdrawal from all classes) begin WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
January 18	Monday	Martin Luther King, Jr. Birthday Holiday University closed
January 19	Tuesday	Interim grading period begins Faculty assign grades of X (No Show); EA (Excessive Absences); F (Failure)
January 22	Friday	Deadline for X (No-Show) grades Faculty assign X grade to students on class roster, but who have never attended
January 29	Friday	Issuance of financial aid refunds begin
February 12	Friday	Deadline for withdrawing from class(es) Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours counted as attempted

## Academic Calendar 14

		hours. No adjustment of tuition and fees for withdrawal from individual classes.
February 17	Wednesday	Interim grading period ends Faculty assign interim grades to show student status at midterm
February 26	Friday	Deadline for withdrawing from the university (all classes in term) WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
March 3	Wednesday	Last day of classes Final exams are given on last day of classes in 8-week classes
March 5	Friday	Final grades due

### Spring 2010 Eight-Week Term IV

November 2	Monday	Pre-registration begins
December 4	Friday	Pre-registration ends
December 7	Monday	Bill clearance deadline for pre-registered students (5:00 pm) Pre-registration canceled for students who do not make initial payment or have financial aid completed
December 14	Monday	Registration begins
January 8	Friday	Registration ends
March 8	Monday	Registration begins for Term IV only
March 12	Friday	Registration ends for Term IV only
March 13	Saturday	First day of classes
March 13	Saturday	Late registration begins (\$20.00 fee)
March 13	Saturday	Interim grading period begins Faculty assign grades of X (No Show); EA (Excessive Absences); F (Failure)
March 16	Tuesday	Late registration ends; tuition and fees will not be reduced for withdrawals from individual classes after this date No charge for classes dropped before this deadline; students are not permitted to attend classes for which they are not registered
March 17	Wednesday	Class withdrawals begin Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours included in attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") No adjustment of tuition and fees for withdrawal from individual classes.
April 2	Friday	Spring Holiday University closed
April 16	Friday	Interim grading period ends Faculty assign interim grades to show student status at midterm
April 16	Friday	Deadline for withdrawing from class(es) Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours counted as attempted

		hours. No adjustment of tuition and fees for withdrawal from individual classes.
April 23	Friday	Deadline for withdrawing from the university (all classes) WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
April 26	Monday	Final exams for graduating seniors begin
April 30	Friday	Final exams for graduating seniors end
May 3	Monday	Final grades for graduating seniors due
May 7	Friday	Last day of classes Final exam are given on last day of classes in 8-week classes
May 8	Saturday	Commencement (9:00 am)
May 10	Monday	Final grades due for students not graduating
May 10	Monday	Post-School Conference Faculty-staff conference
May 11	Tuesday	Post-School Conference Faculty-staff conference

**Summer I 2010 May-June Session (Five Weeks)**

April 12	Monday	Registration begins
May 17	Monday	Registration ends
May 18	Tuesday	First day of classes
May 18	Tuesday	Interim grading period begins Faculty assign grades of X (No Show); EA (Excessive Absences); F (Failure)
May 18	Tuesday	Late registration begins (\$20.00 fee)
May 20	Thursday	Late registration ends; tuition and fees will not be reduced for withdrawals from individual classes after this date No charge for classes dropped before this deadline; students are not permitted to attend classes for which they are not registered
May 21	Friday	Class withdrawals begin Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours included in attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") No adjustment of tuition and fees for withdrawal from individual classes.
May 25	Tuesday	Deadline for X (No-Show) grades Faculty assign X grade to students on class roster, but who have never attended
May 31	Monday	Memorial Day Holiday University closed
June 4	Friday	Interim grading period ends Faculty assign interim grades to show student status at midterm

## Academic Calendar 16

June 8	Tuesday	Deadline for withdrawing from class(es) Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours counted as attempted hours. No adjustment of tuition and fees for withdrawal from individual classes.
June 14	Monday	Deadline for withdrawing from the university (all classes) WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
June 18	Friday	Last day of classes / Final Exams
June 21	Monday	Final grades due

Eight-Week Term V		
April 12	Monday	Registration begins
May 17	Monday	Registration ends
May 18	Tuesday	First day of classes
May 18	Tuesday	Interim grading period begins Faculty assign grades of X (No Show); EA (Excessive Absences); F (Failure)
May 18	Tuesday	Late registration begins (\$20.00 fee)
May 20	Thursday	Late registration ends; tuition and fees will not be reduced for withdrawals from individual classes after this date No charge for classes dropped before this deadline; students are not permitted to attend classes for which they are not registered
May 21	Friday	Class withdrawals begin Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours included in attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") No adjustment of tuition and fees for withdrawal from individual classes.
May 21	Friday	University withdrawal (withdrawal from all classes) begin WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
May 25	Tuesday	Deadline for X (No-Show) grades Faculty assign X grade to students on class roster, but who have never attended
May 31	Monday	Memorial Day Holiday University closed
June 23	Wednesday	Deadline for withdrawing from class(es) Undergraduate students are permitted to withdraw from no more than



		five courses with no impact on GPA. Hours counted as attempted hours. No adjustment of tuition and fees for withdrawal from individual classes.
June 28	Monday	Interim grading period ends Faculty assign interim grades to show student status at midterm
July 1	Thursday	Deadline for withdrawing from the university (all classes in term) WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
July 3	Saturday	Fourth of July Holiday observed University closed
July 17	Saturday	Last day of classes Final exam are given on last day of classes in 8-week classes
July 19	Monday	Final grades due

<b>Summer 2010 May-August Session (Ten Weeks)</b>		
April 12	Monday	Registration begins
May 17	Monday	Registration ends
May 18	Tuesday	First day of classes
May 18	Tuesday	Interim grading period begins Faculty assign grades of X (No Show); EA (Excessive Absences); F (Failure)
May 18	Tuesday	Late registration begins (\$20.00 fee)
May 20	Thursday	Late registration ends; tuition and fees will not be reduced for withdrawals from individual classes after this date No charge for classes dropped before this deadline; students are not permitted to attend classes for which they are not registered
May 21	Friday	Class withdrawals begin Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours included in attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") No adjustment of tuition and fees for withdrawal from individual classes.
May 21	Friday	University withdrawal (withdrawal from all classes) begin WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
May 31	Monday	Memorial Day Holiday University closed
July 3	Saturday	Fourth of July holiday observed University closed

*Academic Calendar 18*

July 16	Friday	Interim grading period ends Faculty assign interim grades to show student status at midterm
July 21	Wednesday	Deadline for withdrawing from class(es) Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours counted as attempted hours. No adjustment of tuition and fees for withdrawal from individual classes.
July 27	Tuesday	Deadline for withdrawing from the university (all classes in term) WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
August 3	Tuesday	Last day of classes / Final Exams Final exams are given on last day of classes in summer school classes
August 4	Wednesday	Final grades due

<b>Summer II 2010 July-August Session (Five Weeks)</b>		
April 12	Monday	Registration begins
June 30	Wednesday	Registration ends
July 1	Thursday	First day of classes
July 1	Thursday	Interim grading period begins Faculty assign grades of X (No Show); EA (Excessive Absences); F (Failure)
July 1	Thursday	Late registration begins (\$20.00 fee)
July 2	Friday	Late registration ends; tuition and fees will not be reduced for withdrawals from individual classes after this date No charge for classes dropped before this deadline; students are not permitted to attend classes for which they are not registered
July 3	Saturday	Fourth of July holiday observed University closed
July 4	Sunday	Fourth of July holiday University closed
July 5	Monday	Class withdrawals begin Undergraduate students are permitted to withdraw from no more than five courses with no impact on GPA. Hours included in attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") No adjustment of tuition and fees for withdrawal from individual classes.
July 7	Wednesday	Deadline for X (No-Show) grades Faculty assign X grade to students on class roster, but who have never attended
July 16	Friday	Interim grading period ends Faculty assign interim grades to show student status at midterm
July 21	Wednesday	Deadline for withdrawing from class(es) Undergraduate students are permitted to withdraw from no more than

		five courses with no impact on GPA. Hours counted as attempted hours. No adjustment of tuition and fees for withdrawal from individual classes.
July 27	Tuesday	Deadline for withdrawing from the university (all classes) WU grades for all classes with no impact on GPA. Hours counted as attempted hours for financial aid eligibility. (See "Satisfactory Academic Progress.") Tuition/fees may be adjusted based on date of WU. See "Expenses" for WU refund schedule. Students who withdraw from the university remain eligible to enroll in the immediate next semester. Students who are not enrolled for one or more semesters must apply for readmission.
August 3	Tuesday	Last day of classes / Final Exams
August 4	Wednesday	Final grades due

# **General Information**

## **Mission Statement**

Fayetteville State University (FSU) is a public comprehensive regional university that promotes the educational, social, cultural, and economic transformation of southeastern North Carolina and beyond. The primary mission of FSU is to provide students with the highest quality learning experiences that will produce global citizens and leaders as change agents for shaping the future of the State. Awarding degrees at the baccalaureate and master's levels, and the doctorate in educational leadership, FSU offers programs in teacher education, the arts and sciences, health professions, business and economics, and unique and emerging fields. FSU is an institution of opportunity and diversity. Committed to excellence in teaching, research, scholarship, and service, the university extends its services and programs to the community, including the military, and other educational institutions throughout North Carolina, the nation, and the world.

## **Vision Statement**

Fayetteville State University is a leading institution of opportunity and diversity committed to developing learned and responsible global citizens.

## **Core Identity Statement**

Fayetteville State University is a historically black university founded in 1867 as the Howard School by seven black men for the purpose of educating black children. FSU has a tradition of excellence in teacher education and is the second oldest state supported school in North Carolina. The student body, faculty, and staff today rank among the nation's most diverse campus communities. With program expansion, the university now has strong undergraduate and graduate curricula in both liberal arts and professional programs including the doctorate in educational leadership, and is developing new and emerging programs. FSU has a tradition of collaboration with the Fayetteville/Fort Bragg-Pope Air Force base community, and renders services throughout southeastern North Carolina. FSU has a tradition of an affordable education and of preparing students to be life-long learners, to be responsible citizens, and to render selfless service to mankind.

## **Core Values**

### **Student Success and Pursuit of Excellence**

We believe in student success and the obligation of the university to provide the highest quality learning experiences and academic programs to facilitate student success, intellectual and cultural growth, excellence in scholarship, leadership, and ethical standards.

### **Shared Governance**

We believe in shared governance, fiscal responsibility, a commitment to life-long learning, and professional development for faculty, staff, and students.

### **Global Responsibility**

We believe in respect for diversity, global responsibility, conservation of natural resources, and a commitment to sustainability.

### **Collaboration**

We believe in outreach, partnerships with educational institutions and the community, economic transformation of the state, and service to others.

Administration

Board of Trustees

Trustee	Term Expires	Trustee	Term Expires
Mrs. Linda Lee Allen Fayetteville	11**	Mr. Terence Murchison Clover, SC	09**
Mr. John B. (Ben) Brown, Jr. Greensboro	11**	Mrs. Juanita Pilgrim Fayetteville	09**
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Mr. James Jefferson Fayetteville	(Ex-Officio, 2008- 2009)		
**UNC Board of Governors' Appointee		*** Governor's Appointee	

Administrative Officers

Name	Degrees	Title
James A. Anderson	B.A., Ph.D.	Chancellor
Jon Young	B.A., M.A., Ph.D.	Provost and Vice Chancellor for Academic Affairs
Janice Haynie	B.A., M.S., Ph.D.	Vice Chancellor for Student Affairs
Thomas E. H. Conway	B.S., M.S., Ph.D.	Vice Chancellor and Chief of Staff
Robert L. Botley	B.S.	Vice Chancellor for Business and Finance
Arasu Ganesan	B.A., M.B.A.	Vice Chancellor for Information Technology
Arthur G. Affleck	B.S., M.A., J.D.	Vice Chancellor for Development and University Relations
Wanda D. Lessane Jenkins	B.B.A., M.B.A., J.D.	University Legal Counsel
David Barlow	B.S., MS., Ph.D	Dean, College of Arts and Sciences
Assad Tavakoli	B.A., M.B.A., Ph.D.	Dean, School of Business and Economics
LaDelle Olion	B.S., M.A., Ph.D.	Dean, Graduate Studies
Leontye L. Lewis	B.S., M.Ed., Ph.D	Dean, School of Education

History

In 1867, seven black men - Matthew N. Leary, A. J. Chesnutt, Robert Simmons, George Grainger, Thomas Lomax, Nelson Carter, and David A. Bryant - paid \$136 for two lots on Gillespie Street and converted themselves into a self-perpetuating Board of Trustees to maintain this property permanently as a site for the education of black children in Fayetteville. General O. O. Howard of the Freedman's Bureau, one of the best-

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known friends of black education, erected a building on this site, and the institution became known as the Howard School.

By a legislative act of 1877, the North Carolina General Assembly provided for the establishment of a Normal School for the education of black teachers. The Howard School was chosen as the most promising because of its successful record during the previous ten years. It was designated a teacher training institution, and its name was changed to the State Colored Normal School. Five Administrative Officers served for relatively short periods until 1899: Robert L. Harris, Charles W. Chesnutt, Ezekiel E. Smith, George Williams, and the Rev. L. E. Fairley.

In 1899, Dr. Smith returned to the institution. Under his administration, the school grew from three rooms in a small frame structure to a physical plant of ten buildings on a fifty-acre tract of land. In order to pay for the land, Dr. Smith, along with F. D. Williston, E. N. Williams, J. G. Smith and Dr. P. N. Melchor, endorsed a note for \$3,000.00. The note was renewed several times and eventually paid off by Dr. Smith, who later deeded the land to the State. Dr. Smith retired in 1933 at the age of 80 with more than 40 years of service to the institution.

Dr. J. Ward Seabrook succeeded Dr. Smith and under his presidency the school became Fayetteville State Teachers College, thereafter being authorized to grant the Bachelor of Science degree in Education. The college received both state and regional accreditation in 1947.

Dr. Seabrook retired in 1956 and was succeeded by Dr. Rudolph Jones. During his administration, the curriculum was expanded to include majors in secondary education and programs leading to degrees outside the teaching field. The name of the school was changed to Fayetteville State College in 1963. Also, under the leadership of Dr. Jones, six additions were made to the physical plant to accommodate a rapidly expanding enrollment.

In 1969, the institution acquired its present name, "Fayetteville State University," and Dr. Charles "A" Lyons, Jr. was elected president. By a legislative act, Fayetteville State University became a constituent institution of the University of North Carolina System in 1972 and Dr. Lyons became its first chancellor. During his tenure, the curriculum was expanded to include a variety of both baccalaureate and master's level programs. In addition, the Fort Bragg-Pope AFB Extension Center, in conjunction with the Weekend and Evening College, was established in order to provide military personnel and other persons employed full-time with the opportunity to further their education. The general academic structure took its present configuration in 1985 when the university became a Comprehensive Level I Institution. In addition to expanding program offerings and services, eight buildings were added to the physical plant during this period.

On January 1, 1988, Dr. Lloyd V. Hackley became the seventh Chief Executive Officer of the university. In his seven years as Chancellor, the university expanded its master's level program offerings to include biology, business administration, education, English, history, mathematics, psychology, sociology, and teaching; FSU's first doctoral program in Educational Leadership was established; and, baccalaureate program offerings were also increased to include 36 disciplines in the arts and sciences, business and economics, and education. The addition of the \$6.3 million ultra-modern School of Business and Economics Building, and the new \$10.9 million Health and Physical Education Building, underscored Dr. Hackley's commitment to FSU's continued expansion and growth.

Chancellor Hackley strengthened FSU's community outreach to at-risk children in the public schools, establishing numerous scholarship and tutoring/mentoring programs to encourage more young people to aspire to academic excellence and a college education. FSU's first major public capital campaign was also completed during Dr. Hackley's tenure, which enabled the university to increase the number of privately funded scholarships. On December 31, 1995, Dr. Hackley left his post to become President of the North Carolina Department of Community Colleges, the first African-American to lead the state's system of 59 community colleges. Dr. Donna J. Benson, Associate Vice President for Academic Affairs of the University of North Carolina served as Interim Chancellor from January 1, 1995 to November 15, 1995.

Dr. Willis McLeod, a 1964 graduate of Fayetteville State University, was appointed Chancellor on November 15, 1995. Dr. McLeod is the ninth Chief Executive Officer of the 130-year-old institution, and the first alumnus to serve as Chancellor since FSU became a constituent of The University of North Carolina in 1972. Dr. McLeod earned his master's and doctoral degrees in school administration from the University of Virginia, and has over 30 years of experience in education as a teacher, assistant superintendent, and superintendent of public school systems in Virginia, Louisiana, and North Carolina.

Several major initiatives were established by Dr. McLeod. The “Freshman Year Initiative,” (or F.Y.I.) a program designed to enhance students’ educational outcomes, was initiated in fall 1996; new outreach efforts aimed at forging stronger community ties and involving the community in University life have been undertaken; campus improvements such as expansion of the Rudolph Jones Student Center and master planning to accommodate an expected enrollment increase of 50%; and Dr. McLeod was instrumental in forming a regional partnership of public school, community college, and university leaders to focus on strengthening the educational pipeline from pre-school to post-graduate studies.

Dr. T. J. Bryan assumed the position of Chancellor on July 1, 2003. The tenth chief executive officer of the university, Dr. Bryan is the first woman to serve as chancellor and the first African-American woman selected to lead a constituent institution of the University of North Carolina. Dr. Bryan earned the B.A. and M.A. from Morgan State College and the Ph.D. from the University of Maryland at College Park. Prior to appointment as chancellor, she served as a faculty member, department chair, and dean at Coppin State College. She also served as Associate Vice President for Academic Affairs for the University System of Maryland and Vice President for Academic and Student Affairs for the Pennsylvania State System of Higher Education.

Dr. Bryan’s top priorities included developing new academic programs, obtaining specialized accreditation, strengthening student recruitment and support programs, establishing a first-rate international studies program, increasing funding from external sources, and improving physical facilities. Under her leadership, a four-year nursing program and an Honors Program were established.

Dr. James A. Anderson was named the 11th Chief Executive Officer of Fayetteville State University on March 7, 2008. Dr. Anderson, who comes to FSU from the University of Albany in New York, began his duties as Chancellor of the state’s second-oldest public institution on June 9, 2008. The appointment was made by Erskine Bowles, President of the 17-campus University of North Carolina System.

**Administration of the University of North Carolina**

**The Board of Governors**

Hannah D. Gage, Jr., Chairman

Peter D. Hans, Vice Chairman

Estelle 'Bunny' Sanders, Secretary

**Class of 2009**

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Gladys Ashe Robinson  
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**Emeritus Members**

James E. Holshouser, Jr.

**Ex-Officio Member**

Derek T. Pantiel

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### **History of the University of North Carolina**

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of the University of North Carolina. Fayetteville State University is one of the 16 constituent institutions of the multi-campus state university.

The University of North Carolina, chartered by the N.C. General Assembly in 1789, was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years, the only campus of the University of North Carolina was at Chapel Hill.

In 1877, the N.C. General Assembly began sponsoring additional institutions of higher education, diverse in origin and purpose. Five were historically black institutions, and another was founded to educate American Indians. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931, the N.C. General Assembly redefined the University of North Carolina to include three state-supported institutions: the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus University operated with one board of trustees and one president. By 1969, three additional campuses had joined the University through legislative action: the University of North Carolina at Charlotte, the University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971, the General Assembly passed legislation bringing into the University of North Carolina the state's ten remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, the North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. This action created the current 16-campus University. (In 1985, the North Carolina School of Science and Mathematics, a residential high school for gifted students, was declared an affiliated school of the University; and in 1996 Pembroke State University was renamed The University of North Carolina at Pembroke through legislative action.)

The UNC Board of Governors is the policy-making body legally charged with the general determination, control, supervision, management, and governance of all affairs of the constituent institutions. It elects the president, who administers the University. The 32 voting members of the Board of Governors are elected by the General Assembly for four-year terms. Former board chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non-voting members *emeriti*. The president of the UNC Association of Student Governments, or that student's designee, is also a non-voting member.

Each of the 16 constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves *ex-officio*. (The NC School of the Arts has two additional *ex-officio* members.) Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

### **Institutional Memberships and Accreditations**

The university holds institutional membership and/or accreditation in the following agencies and professional organizations:

Academy of Criminal Justice Sciences

The Adult Education Association, U.S.A.

American Association for Counseling and Development

The American Association for Colleges and Universities (AAC&U)

The American Association of Colleges and Schools for Teacher Education (AACTE)

The American Association of State Colleges and Universities (AASCU)



The American Council on Education (ACE)  
Association for Continuing and Higher Education (ACHE)  
Association to Advance Collegiate Schools of Business (AACSB)  
The Central Intercollegiate Athletic Association (CIAA)  
Commission on Collegiate Nursing Education (CCNE)  
Council for Advancement and Support of Education (CASE)  
Council of Graduate Departments of Psychology  
Council on Social Work Education  
International Police Executive Symposium  
The National Alliance of Business  
National Association for Equal Opportunity in Higher Education (NAFEO)  
National Association for Student Financial Aid Administrators (NASFAA)  
The National Association of Business Teacher Education  
The National Collegiate Athletic Association (NCAA)  
The National Council for Accreditation of Teacher Education (NCATE)  
The National League of Nursing (NLN)  
The North Carolina Association of Colleges and Universities  
North Carolina Board of Nursing  
North Carolina Day Care Association  
The North Carolina Department of Public Instruction (DPI)  
The Servicemen's Opportunity College (SOC)  
The Southern Association of Colleges and Schools (SACS)  
The Southern Conference of Graduate Schools (SCGS)

### **Centers and Programs**

#### **Center for Economic Education**

The Center for Economic Education is a non-profit and non-partisan institutional entity committed to promoting and imparting economic education primarily in southeastern North Carolina. The center is affiliated with The North Carolina Council of Economic Education and the National Council of Economic Education.

The objectives of the center are fivefold:

1. To improve on- and off campus teaching of economics, with particular emphasis on pre-service and in-service teacher training;
2. To consult with local schools, educational agencies, and community groups on matters relating to curriculum content, materials, and strategies;
3. To conduct research in economic education and disseminate updated information on economic issues in the community;
4. To mobilize community interest and support by developing cooperative working relationships with other groups committed to economic education;
5. To develop and distribute appropriate materials useful in the economic education effort.

For further information call 910-672-1618.

#### **Curriculum Learning Resource Laboratory**

Located in the Charles Waddell Chesnut Library, the Curriculum Learning Resource Laboratory is designed to provide educational resources and equipment for pre-service and in service teachers, and faculty. The collections include state adopted textbooks, kits, films, transparencies, North Carolina state competencies, and audio-visual aids. For further information call 910-672-1391.

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### **Distance Learning Center**

The mission of the Distance Learning Center is to provide opportunities to faculty, staff, students, and external agencies in Southeastern North Carolina to participate in interactive classes and teleconferences via the North Carolina Information Highway (NCIH) and North Carolina Research Educational Network (NC-REN). Located in the Telecommunications Center, the Distance Learning Center offers convenient and cost-effective interactive access to a broad range of quality educational programming. Through the Center the university can acquire complete telecourses, short courses, audio-visual resources, training programs, and live teleconferences. These programs can be used in a variety of ways to increase distance learning opportunities, enrich classroom instruction, update faculty and administrators, expand community service, and enhance professional and career education. For further information call 910-672-1888.

### **Early Childhood Learning Center**

The Fayetteville State University Early Childhood Learning Center, which serves children from three years through five years of age, is under the direction of the School of Education. It was established in the Fall of 1970 to provide early childhood education majors an opportunity to become familiar with young children and their characteristics, and to enable the translation of theoretical concepts into practical application. In addition to being a center for the training of early childhood personnel, the Early Childhood Learning Center also provides a learning environment that will help young children develop to their maximum potential physically, intellectually, socially, and emotionally.

The Early Childhood Learning Center serves not only the university, but the Fayetteville community as well, through its acceptance of children of either sex, children from any ethnic or religious orientation, and children with mildly handicapping physical and mental conditions.

The Cumberland County Department of Social Service Day Care unit refers as many of its Day Care applicants as space permits. The Developmental Evaluation Center refers children to the Center on an individual basis. The Early Childhood Learning Center holds the State of North Carolina, Department of Revenue Privilege License; State of North Carolina - Child Day Care "A" License; Level Two Certificate of Approval (Federal) from the Department of Human Resources - State of North Carolina Division of Social Service for Day Care of Children; and the North Carolina Department of Public Instruction Kindergarten/Early Childhood Division Certification. For further information call 672-1281.

### **Educational Opportunity Centers Program**

The Educational Opportunity Centers Program (EOC) is one of several educational outreach programs established by Fayetteville State University to improve educational outcomes and the quality of life in the Cape Fear Region. Funded by the U.S. Department of Education, the program's purpose is to increase the availability of educational information and assistance to high school graduates, traditional and non-traditional students, and college dropouts, who wish to continue their education. Professional advisors are available to assist participants in establishing educational goals and making career choices. Participants also receive information on college admission requirements, the college application process, and assistance obtaining financial aid. All services are free to U.S. citizens 19 years and older, who meet eligibility requirements.

If you live in Cumberland, Harnett, Hoke, Robeson, or Sampson County, and are interested in the Educational Opportunity Centers Program, contact the main office in the Helen T. Chick Building, Room 224, or call (910) 672-1171 or 1-800-572-3646 for additional information.

### **Educational Talent Search Program**

Fayetteville State University's Educational Talent Search Program is funded by the U.S. Department of Education for the purpose of providing academic support services to middle and high school students who meet the federal eligibility criteria. The program is designed to serve fourteen (14) targeted middle and high schools in Cumberland, Harnett, and Hoke counties in North Carolina. The goal of the program is to provide eligible students with academic support services and activities that will enhance their academic skills. These services will

ensure that the participants complete high school and also enroll in and complete programs of postsecondary education.

Enrolled participants receive a variety of academic, educational and career support services, such as Tutoring in English, Reading, Math, Science and other subject areas; personal, academic, educational, social and career counseling; supplementary academic skills workshops; guidance on secondary school reentry and entry to programs of postsecondary education; exposure to careers in which disadvantaged individuals are particularly underrepresented; visits to college campuses and exposure to cultural events and other educational activities; assistance in preparing for college entrance examinations; assistance in completing college admissions and financial aid applications; orientation workshops for the parents of the program's participants; drug awareness and teenage pregnancy prevention programs; mentoring programs involving the University's faculty, staff, and students.

Prospective students who are interested in the Educational Talent Search Program are encouraged to visit the Special Programs Office in the Helen T. Chick Building, Room 108, or call 910-672-1172.

### **Extended Learning and Summer Programs**

The Office of Extended Learning and Summer Programs extends the teaching, consultative, and research resources of Fayetteville State University into the local community. These resources, in concert with all other appropriate resources, are molded into an organized effort to meet the unique educational needs of individuals within the adult population who have either completed or interrupted their formal education, and to assist people in the area to identify and develop new, expanded, or improved approaches to the solution of community problems.

All extended learning activities at Fayetteville State University are categorized as Continuing Education Units (CEU)/Teacher Renewal Credit (TRC), academic credit, or non-credit. Such activities are designed to serve individuals needing further professional/career development; various forms of public affairs education; personal enrichment and cultural development; and skills training to meet the needs of professions or careers. Most non-credit continuing education activities are related to community service and include special programs affecting community-wide problems.

Consistent with the educational standards of the Southern Association of Colleges and Schools and the University of North Carolina, all continuing education activities sponsored or co-sponsored by Fayetteville State University are organized under responsible and capable direction and are subject to systematic evaluation. For further information call (910) 672-1226.

### **Fine Arts Resource Center**

Housed in room 145 of the Rosenthal Building, the Fine Arts Resource Center (FARC) is a library and computer laboratory for music and the visual arts. The library section consists of records, tapes, musical scores, videos, filmstrips, and books (on music and art). It also includes equipment for viewing or listening to certain library materials, all of which are available on a check in/out basis. The computers in the FARC supplement classroom instruction by offering music history, theory and composition programs, as well as art-authoring and art history software for students in the visual arts. For further information call 910-672-1439.

### **Fort Bragg Center**

Fayetteville State University offers a program of higher education to serve the nearby military installations. The proximity of the Fort Bragg Center, and the flexibility of the university programs, offer maximum opportunities for interested and qualified personnel to pursue their education while in service, either as part-time or full-time students. Additional information may be obtained by writing to the Director of the Fort Bragg Center, Box 70156, Fort Bragg, North Carolina 28307-5000 or call 910-497-9111.

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### **GEAR UP**

Fayetteville State University's GEAR UP (Gaining Early Awareness & Readiness for Undergraduate Programs) Program is funded by the U.S. Department of Education for the purpose of providing academic support services to middle and high school students. The program serves students who attend Luther "Nick" Jeralds Middle School and E.E. Smith High School. The program uses a cohort approach, by enrolling into the program each successive year all incoming 6<sup>th</sup> grade students at Luther "Nick" Jeralds Middle. The program continues to serve all of the students in each cohort as they progress toward high school graduation. The goal of the program is to provide eligible students with academic support services and activities that will enhance their academic skills, thereby ensuring that these students will complete high school and enroll in and complete programs of post-secondary education.

GEAR UP services to students include: in-school and after-school tutoring, enrichment camps, academic support workshops, summer camps, after-school college clubs, job-shadowing, mentoring, academic advising, career and cultural field trips, and tours of colleges throughout the United States. Services to parents include: college planning and financial aid workshops, and personal advisement on how to prepare their child for college. School personnel services include: professional development opportunities for teachers and administrators to help raise expectations for teachers and students. For further information, call 910-672-1172.

### **Honors Program**

The primary goal of the Honors Program is to prepare high-ability students for the graduate school and professional school through courses and activities that focus on academic preparation, cultural enrichment, and leadership development.

Central to the honors academic experience are honors classes, which are limited usually to 15-20 students to facilitate dialogue among and between students as well as between students and faculty members. Students are required to take responsibility for their learning. Collaboration, rather than competition, is encouraged. The ultimate goal in the honors classroom is to provide students with opportunities to take risks in a "safe" environment and encourage them to develop to their fullest potential. The Honors Program also includes the frequent use of primary sources, the offering of interdisciplinary courses, and the integration of experiential learning with theoretical and applied experiences in the classroom.

For more information about the Honors Program, visit the university's website, [www.uncfsu.edu/honors/](http://www.uncfsu.edu/honors/), or call 910-672-2153.

### **Mathematics and Science Education Center**

One of ten mathematics and science education centers in the University of North Carolina system is located at Fayetteville State University. These centers are responsible for providing in-service training and continuing education for public school teachers in the fields of technology, mathematics and science. The center operates on a year-round basis. Activities in mathematics, science (life, earth, and physical sciences), technology use, and mathematics and science methods are included. Academic credit and Continuing Education Units (CEU)/Teacher Renewal Credits (TRC) are available through semester courses, one-day workshops, one-week intensive training, seminars, and other formats to fit the needs of teachers and school systems. The center's programs are specially aimed at the following:

1. Increasing the supply of qualified mathematics and science teachers;
2. Strengthening instruction in the elementary/ middle grades and high school programs in mathematics and science;
3. Increasing effective use of educational technologies at all levels of instruction;
4. Increasing the pool of minorities and women in the mathematics and sciences; and
5. Encouraging business and industry to cooperate with public schools and institutions of higher learning in assessing mathematics and science needs in order to increase the relevance of programs for teachers.

Tuition waiver scholarships are available to participants in some center-supported programs. Scholarships range from partial to full tuition, depending upon program implementation costs. For further information call 910-672-1669.

### **Public Radio WFSS 91.9 FM**

Radio Station WFSS is owned and operated by Fayetteville State University. The mission of the station is to serve as an integrated, functioning part of the ongoing service provided by the university to the people in the southeastern region of the state of North Carolina. The primary purpose of WFSS is to provide an educational, informational, and cultural broadcasting service for the people living within the station's coverage area and thereby to fulfill the responsibilities the university has assumed as the licensee of a broadcasting station. A second purpose is to provide a training laboratory for University students. Through their participation in the creation and distribution of WFSS programs, students may become qualified for volunteer services and future professional positions in broadcasting. WFSS also works with the Southeastern North Carolina Radio Reading Service to provide reading services to the visually impaired population in the fourteen counties coverage area.

WFSS has a commitment and a legal obligation to ascertain the needs and interests of the residents of the communities in the region served by the station. To help fulfill those needs and interests, WFSS will continue to develop and broadcast programs and program materials. For further information or a program guide call 910-672-1381.

### **Residence Halls**

Residence hall life provides students a unique experience that will enhance their overall education at Fayetteville State University. The residence halls at FSU provide amenities that are comparable to home. All rooms have cable television connections, are fully furnished, have individually controlled heat and air conditioning, and have local telephone service with long distance capabilities. Most residence halls are equipped with wide-screened televisions, computers, study rooms, and living learning laboratories. Students choose from a variety of living options in one of nine residence halls. Most students are permitted to choose their own roommates. Residence hall applications are included in the letter of acceptance from the Office of Admissions. For further information, call (910)672-1284.

### **Rosenthal Gallery**

The Rosenthal Gallery, located in the Rosenthal Building, is operated under the Department of Performing and Fine Arts. The gallery installs temporary exhibitions of regional, national and international works, includes FSU faculty and student exhibitions, and hosts an annual High School Competition and an annual National Competition.

The Rosenthal Gallery is a supplement to the curriculum through exhibits, lectures and seminars, and serves as a cultural component of the campus and the region.

### **Servicemen's Opportunity College**

Fayetteville State University is a Servicemen's Opportunity College. The Servicemen's Opportunity College is a network of institutions across the country and overseas that have recognized and have responded to expectations of servicemen and women for adult continuing education.

### **Small Business and Technology Development Center**

The Small Business and Technology Development Center (SBTDC) is a business development service of The University of North Carolina system. The SBTDC provides management counseling and educational services to small and mid-sized businesses in all of North Carolina's 100 counties. SBTDC services target established firms, high-growth companies, and start-up businesses and help them meet today's challenges, manage change, and plan for the future.

The SBTDC employs over 50 management counselors in 17 offices across North Carolina -- each affiliated with a college or university. Services are well defined and are designed to meet the clients' needs.

1. The primary focus of the SBTDC is management counseling, addressing issues including financing, marketing, human resources, operations, business planning, and feasibility assessment.

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2. The SBTDC also provides targeted, research-based educational products which are focused on change management, strategic performance, and leadership development for your management team, board members, and employees.

In addition, the SBTDC offers specialized market development assistance in government procurement, international business, marine trades services, and technology development and commercialization. These services are specifically designed to aid growing companies in expanding their markets and increasing competitiveness.

For further information, please call the SBTDC's FSU campus office at 910-672-1627.

#### **Study Abroad Program**

The Fayetteville State University Study Abroad Program provides opportunities for students to study in a number of foreign countries while receiving college credits and practical experience. The program provides study opportunities abroad during the Fall and Spring semesters and Summer sessions.

Current programs with academic institutions abroad include: The University of Buea-Cameroon (West Africa); International Business and Marketing Courses in England offered through the University of Evansville; the University of Science and Technology-Kumasi, Ghana (West Africa); Universidad Nacional Pedro Henriquez Urena-Santo Domingo, the Dominican Republic; the Universidad Autonoma del Estado de Morelos: Centro de Estudios Linguisticos y Multiculturales-Cuernavaca, Mexico; and the University of Granada-Granada Spain. In addition to these programs, special arrangements can be made for students to study in many other institutions abroad on the basis of their interests.

All study abroad transactions must be coordinated by and processed through the Study Abroad Program Office, and approved by the Director of International Programs.

Admission is open to university students in at least their sophomore year with a good academic standing (GPA of at least 2.5). Graduate students and secondary school teachers are also eligible. Application forms can be obtained from the Study Abroad Office, Room 205B, Joseph Knuckles Science Building, or for further information, call 910-672-1483.

#### **Summer School Program**

The summer school program at Fayetteville State University is organized primarily for students desiring to make progress toward fulfilling requirements for undergraduate and graduate degrees. The curricula provided during the summer sessions are equivalent to those offered during regular semesters. The Bachelor of Arts, Bachelor of Science, Master of Arts, Master of Business Administration, and Associate of Arts degrees are available through the College of Basic and Applied Sciences, College of Humanities and Social Sciences, School of Business and Economics, and School of Education.

The summer program is separated into two distinct sessions to accommodate the needs of the following groups of students: a) graduates of accredited high schools who are planning to enter the freshman class, b) undergraduate students who are meeting degree requirements at Fayetteville State University, c) visiting undergraduate students who desire to take courses for transfer to their home institutions, d) teachers and administrators who are planning to meet state certification requirements, and e) other students who desire courses for personal development or special education through attendance at weekend and evening classes and/or Monday-Friday classes. In addition, the university offers a program of higher education during the summer to serve military personnel and their dependents through the Fort Bragg-Pope Air Force Base University Center.

#### **Teaching Licensure Opportunities for Transitioning Soldiers**

Fayetteville State University, in cooperation with the Fort Bragg Education Center, offers a program of Teacher Licensure Opportunities for Transitioning Soldiers (TLOTS) through the School of Education. This program allows transitioning soldiers who have a maximum of two years of active duty remaining and hold at least a B.A. or B.S. degree to enroll in a teacher licensure program. For program requirements, contact the School of Education.

## **University Library**

The Charles Waddell Chesnutt Library is the central research facility for Fayetteville State University and the surrounding community. Named for Charles Waddell Chesnutt, who was the third president of the institution and the first successful African-American novelist, the library is a four-level contemporary building providing nearly 80,000 square feet of space, seating for approximately 800 patrons, and a capacity for 500,000 volumes and over one million items of microform. The library currently has in its holdings in excess of 226,000 volumes; 21,422 reels of microfilm; 890,000 pieces of microfiche; 3,195 periodicals; and 56 newspapers. It is also a selective depository for state and federal documents.

The Chesnutt Library meets the informational needs of the university community by offering a variety of services and special features. These include the following: electronic ordering in the acquisitions area; on-line cataloging and circulation system; remote access to its on-line public access catalog; access to Internet; local area network for CD-ROMS; fax machine; computerized information retrieval; audio-visual production; microform reading and copying facilities; computer terminals; microcomputers for users; media listening, viewing, and videotaping capabilities; and small, medium, and large group-study rooms, seminar rooms, and the J. C. Jones Boardroom. There are numerous displays and exhibits throughout the building.

The library also has an Archives and Special Collections area. The Archives section is responsible for maintaining a collection of official records, manuscripts, and materials relating to Fayetteville State University. The Special Collections section contains the papers and materials of Charles Waddell Chesnutt, James Ward Seabrook, and other African-Americans and individuals who have made noteworthy contributions to southeastern North Carolina. The Special Collections section also includes selected materials by and about African-Americans. These materials are available to scholars and researchers from the university and the community.

Professional and support staff are available to assist patrons with the on-line public access catalog, circulation, reference, and Inter-Library Loan services, and to provide informational tours, lectures, and classroom instruction. Extensive use is made of electronic databases and networks in the retrieval of information (e.g., NC LIVE, FirstSearch, Internet) for use by library users.

Each student enrolled at the university receives an identification card that also serves as the Library Card for borrowing materials. In addition, all students are provided library brochures that acquaint them with the facilities, services, rules, and regulations governing use of the library and library materials. A handbook is also provided as a guide to the efficient use of the library.

Members of the public may gain access to Chesnutt Library services by joining the "Friends of the Charles W. Chesnutt Library." For information, call 910-672-1232.

## **University Police and Public Safety**

Fayetteville State University strives to provide students with reasonable security while they are pursuing academic study and living in University residence halls. The Fayetteville State University Police Department is a campus law enforcement agency authorized by the Board of Trustees under Chapter 116 of the North Carolina General Statutes with full police powers equivalent to those of a Municipal Police Agency.

The department is organized in three divisions: The Operations Division provides police patrol and crime prevention services to the campus twenty-four hours a day; the Administrative Division provides investigation services as well as twenty-four hour emergency telephone and police dispatch services; and the Traffic and Parking Division performs campus parking permit and parking citation functions. Night escort services between campus buildings may be requested by calling 672-1295. Answers to questions regarding parking may be requested 8:00 a.m. to 5:00 p.m., Monday through Friday by calling 672-1341.

## **University Testing Services**

University Testing Services is a clearinghouse of information about testing and assessment resources. Scanning and scoring of test documents, surveys, and questionnaires are regularly provided as well as assistance with test administration. University Testing Services offers many programs and services to the Fayetteville State University and local communities. These services include computerized placement testing, computer-based

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interest and personality assessments, computerized test preparation for standardized tests such as the GRE, GMAT, SAT, and a comprehensive collection of assessment resources, including reference books and video presentations for test taking and study skills development.

Nationally administered test programs such as the Graduate Record Examination, Scholastic Assessment Tests, Graduate Management Admission Test, the PRAXIS Series Examinations, the Law School Admission Test, the Miller Analogies Test, the CLEP tests, and TOEFL are administered through University Testing Services.

In Fall 1998, University Testing Services became a Computer-Based Test site as it migrated to computer-based testing for some of its national test programs, including GRE, GMAT, NBPTS, the PRAXIS (Pre-Professional Skills Test), and the TOEFL. Computer-based testing is now available year-round. Examination candidates may make an appointment for a computer-based test by calling a toll-free number (refer to program specific Information Registration Bulletin) or University Testing Services at 672-1301.

University Testing Services provides accommodations for examination candidates with special needs in accordance with the test administration provisions of the Americans with Disabilities Act (ADA). In order to reasonably accommodate an individual with a special need, the test center must be informed in advance of the testing appointment. To test under special conditions, the examination candidate must make arrangements with the testing company sponsoring the examination.

University Testing Services is a member of the National Collegiate Testing Association (NCTA), the Consortium of College Test Centers, the National Council on the Measurement in Education. UTS also endorses the *Professional Standards and Guidelines for Postsecondary Test Centers* and is guided by *Fair Test Policies* and the *Code of Fair Testing Practices*.

### **Upward Bound Program**

Fayetteville State University's Upward Bound Program is funded by the U.S. Department of Education for the purpose of providing academic support services to high school students who meet the federal eligibility criteria. The program is designed to serve seven (7) target high schools (9-12) in Cumberland, Harnett and Hoke Counties, in North Carolina. In order to meet the selection criteria, students must be from low-income families, potential first generation college students and/or disabled. The goal of the program is to provide eligible students with academic support services and activities that will enhance their academic skills, thereby ensuring that these students will complete high school and enroll in and complete programs of post secondary education. The Upward Bound program consists of a nine-month Academic Year Component, a six-week residential summer component for program participants, and a Summer Bridge Program for recent high school graduates who participated in Upward Bound. For further information, call 910-672-1172.

### **Veterans Affairs**

The Veterans Affairs Office, under the direction of the Student Support Services Department, is located in the Harris School of Business and Economics Building. This institution is approved by the North Carolina State Approving Agency for the enrollment of persons eligible for education assistance benefits from the United States Department of Veterans Affairs (VA). For information about monetary benefits contact the U.S. Department of Veterans Affairs Regional Office in Winston-Salem, NC at 1-800-827-1000. For information about the available programs at this institution contact the Campus Veterans Assistant Specialist at 910-672-1628.



# Admissions

The university seeks to admit undergraduate students whose academic preparation is strong, who desire to succeed, and who are highly motivated academically, professionally, and personally.

## Admissions Procedures

Applications may be obtained by writing, calling, or may be accessed on-line at <http://www.uncfsu.edu/admissions/>

**Director of Admissions**  
**Fayetteville State University**  
**1200 Murchison Road**  
**Newbold Station**  
**Fayetteville, North Carolina 28301-4298**  
**(910) 672-1371**  
**Toll free: 1-800-222-2594**  
**Fax: (910) 672-1414**

All prospective student applications, regardless of classification, must be accompanied by a **nonrefundable** \$35.00 application fee. The application for admission deadline dates are as follows:

### First year and Transfer Students

- June 30 for Fall Semester
- December 1 for Spring Semester
- May 1 for Summer Session I
- June 1 for Summer Session II

### Re-Admit and Special Visiting Students

- August 18 for Fall Semester
- December 10 for Spring Semester
- May 15 for Summer Session I
- June 15 for Summer Session II

All applications for admission received after the deadline dates will be considered on a space available basis only. Admission to the university does not guarantee admission to a professional teaching curriculum or any program that has specific requirements. Students are responsible for ensuring that all requested credentials are forwarded to the Office of Admissions prior to registration for the semester for which they wish to enroll.

Falsification of the application or of any academic records will make the applicant ineligible for admission or subject to dismissal if admission has already been granted.

The university accepts applications according to the guidelines outlined below.

## Early Admission Program

The Early Admission Program provides the opportunity for promising high school students to take college-level courses while enrolled in high school. To be eligible, students must have completed their junior year, have an acceptable score on either the SAT I or the ACT (the writing component should be included with each test), and a cumulative grade point average of 3.0 or higher. The applicant must submit a formal application for admission and recommendations from counselors or the principal.

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### Minimum Course Requirements

All applicants must meet the following minimum course requirements to be eligible for admission:

- In **English**, four (4) course units emphasizing grammar, composition, and literature, and two (2) units of a **language other than English**;
- In **mathematics**, four (4) course units in any of the following combinations:
  - **Algebra I and II, geometry, and one unit beyond Algebra II,**
  - **Algebra I and II, and two units beyond Algebra II, or**
  - Integrated Math I, II, and III, and one unit beyond Integrated Math III. **It is recommended that prospective students take a mathematics course unit in the twelfth grade.**
- In **science**, three (3) course units including at least one unit in a life or **biological science** (for example, biology), at least one unit in a **physical science** (for example, physical science, chemistry, physics), and at least one **laboratory course**;
- In **social studies**, two (2) course units including one unit in **U.S. history**, but an applicant who does not have the unit in U.S. history may be admitted on the condition that at least three semester hours in that subject will be passed by the end of the sophomore year;
- In **foreign language**, two (2) units of language other than English.

Applicants who graduated prior to 2006 may be exempted from the 4<sup>th</sup> unit mathematics requirement.

Applicants who graduated prior to 2004 may be exempted from the 2-year foreign language requirement.

Applicants who are at least 24 years of age may be exempted from the UNC Minimum Course Requirements.

Course units as defined in these requirements may include those high school-level courses taken and passed by an applicant after graduating from high school, as well as those taken while enrolled as a high school student.

### First-Year Students

A first-year student is defined as any applicant who has not taken any college-level coursework **after completing high school**. Fayetteville State University seeks to admit students whose academic preparation is strong, who desire to succeed, and who are highly motivated academically, professionally, and personally.

In reaching admissions decisions the following information is considered: overall academic performance and grades, curriculum, rank in class (if available), standardized test scores and, if provided, a writing sample. While letters of recommendation are not required, they provide additional information regarding the applicant's accomplishments. The University's Admissions Office implements the established academic policies and requirements that define the necessary qualifications and credentials for admission.

In addition to meeting the minimum course requirements listed above, applicants must provide or meet the following requirements:

1. Graduate from an accredited high school or its equivalent. (A high school equivalency certificate or G.E.D may be submitted in lieu of a high school diploma).
2. Submit an official copy of the high school transcript showing grades earned through the junior year, courses in progress in the senior year, rank in class (if available) and a cumulative grade point average.
3. Must meet the minimum grade point average requirement as established by the university.
4. Must submit the results of the SAT or ACT college entrance examination with the writing component and meet the minimum test score requirement as established by the university.
5. A passing score on all sections of the North Carolina Competency Examination.

## **Transfer Students**

A transfer student is defined as any applicant who enrolled in a college or university after graduating from high school. All qualified transfer applicants for undergraduate admission should meet the following standards:

1. Transfer applicants must be eligible to return to the last institution in which they are enrolled.
2. Transfer applicants must have at least cumulative 2.0 GPA or higher.
3. Transfer applicants who have earned less than thirty (30) transferable credits, must meet all first time student requirements. However, transfer students may be exempt from first time student requirements (high school transcripts, standardized test scores and high school courses) who fall into one of the following categories:
  - Applicants who were awarded the high school diploma prior to 1988 and/or are at least twenty-four (24) years.
  - Applicants who have earned an associate of arts, science or fine arts.
  - Applicants who have completed six (6) hours of degree creditable work in the following subject areas in an accredited institution of higher education: English, mathematics, the natural sciences, the social and behavioral sciences, and a second language.
4. Submit an official transcript from each college or university attended. (Sent directly to the university from the Registrar's Office of the previous institutions attended).
5. Submit Military records (if applicable).
6. Submit a writing sample (recommended).

## **Acceptance of Transfer Credits**

Transfer student transcripts will be evaluated on the basis of the following policies:

1. Full credit will be awarded only for courses in which a grade of C or higher was earned and are non-remedial or non-developmental.
2. Transfer credits will be used to fulfill program requirements or as electives at the discretion of the appropriate department chair and dean.
3. Credentials for transfer students will be officially evaluated only after an applicant has been accepted and all official transcript(s) have been received.
4. Grades transferred from other institution(s) are not considered in computing the grade point average at Fayetteville State University.
5. No more than 64 hours of credit will be awarded for credits earned at a two year institution unless otherwise authorized by a specific dual enrollment or articulation agreement.

The North Carolina Comprehensive Articulation Agreement (CAA) between the University of North Carolina System and North Carolina Community College System takes precedence over bilateral articulation agreements previously established between Fayetteville State University and North Carolina Community Colleges. The university will accept transfer credits in accordance with the CAA relative to the General Education transfer core; graduates with the Associate in Arts, Associate in Fine Arts, and Associate in Science degree. Transfer credit for the Applied Science degree courses, general education core courses for non-graduates, and transfer courses not originated at North Carolina Community Colleges will be awarded on a course-by-course basis.

## **Transfer from Non-Accredited Institutions**

Transfer credits accepted for courses taken from a non-accredited institution are conditional and will not be considered by the Dean of the respective College/School or department chair, nor will they be validated until students have maintained a 2.0 average or higher for two (2) consecutive semesters.

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### **Credits from Military Schools and Experiences**

Credits for courses from military service schools and for military service experience are based on recommendations published in the *Guide to the Evaluation of Education Experiences in the Armed Services* by the American Council on Education. Students seeking credit for military service experience must provide official documentation relative to the experience, service school, or military occupational specialties.

#### **Credit for Basic Health and Physical Education**

Veterans and active duty service members may receive a total of three (3) credit hours for basic health and physical education requirements at the first-year level when a copy of their Report of Separation (DD Form 214) or a copy of the Enlisted Records Brief (ERB) has been provided to the Director of Admissions.

### **Readmission Students**

Students who have not attended the university for one or more semesters must file a complete application with a \$35.00 (non-refundable) fee and furnish official transcripts from all institutions attended since their last enrollment. Subsequent to readmission, former students must receive clearance from the Office of Business and Finance, Student Affairs, Enrollment Management, and the Registrar.

Applicants for readmission who were on academic suspension in their last semester of enrollment will not be readmitted unless they successfully complete the appeal process (See “Catalog Policy”, in “Academic Regulations”). If a previously suspended student successfully appeals suspension, he or she will be readmitted and placed on probation, if they have received clearance from the Office of Business and Finance, Student Affairs, Enrollment Management and the Registrar.

Students suspended more than two times will be permitted to re-enroll only under the provisions of the Academic Fresh Start Policy.

Students readmitted to the university will be subject to the degree requirements in effect at the time of readmission. (See “Catalog Policy,” in “Academic Regulations”).

### **Second Degree Seeking Students**

Students who have earned a bachelor’s degree from an accredited institution may apply for a second degree by doing the following:

1. Submit an application along with a non-refundable \$35 application fee to the Office of Admissions.
2. Submit official transcript(s) from all previously attended colleges/ universities.
3. Select a major field that differs from that of the first degree awarded.

### **Special Visiting Students**

Special Visiting Students are defined as those who are taking courses for reasons other than earning a degree. These applicants are required to submit an application with a \$35.00 (non-refundable) fee and to furnish one of the following credentials:

1. Official high school transcript or equivalency certificate.
2. Official transcript of any other university, college, technical institution, junior or community college attended.

Applicants may be permitted to enroll in up to 12 hours as special visiting students while they await arrival of official transcripts. Applicants accepted as special visiting students must apply for full admission to the university when they earn 30 credits at FSU. However, credit earned as a visiting student cannot be used to establish eligibility for admission to FSU.

## **International Students**

International applicants are students who do not hold United States citizenship or resident alien status. The Office of Admissions requires the following information from an international applicant to be considered for undergraduate admission.

1. A completed application form with a non-refundable \$35.00 application fee in U.S. dollars.
2. Certified copy of all secondary and post-secondary records, including marks (grades awarded) and grading scale with minimum passing mark. If records are not in English, a certified English translation must accompany the original document.
3. Official TOEFL (Test of English as a Foreign Language) score report or other English language proficiency examinations administered by the Cultural Attache of the American Consulate or Embassy in the country in which they reside, when English is not the primary language or the SAT I. The test score report should be no more than two years old.
4. A bank or scholarship letter, no more than six months old, addressed to Fayetteville State University verifying the availability of funds to cover tuition, fees, and other direct costs associated with enrolling at the university.

## **Tuition Waiver for Residents at Least Age 65 and for Certain Family of Deceased or Disabled Emergency Workers of this State**

Residents of North Carolina at least 65 years old and certain family of deceased or disabled emergency workers may enroll tuition free *on a space available basis*. Applicants must meet applicable admission requirements. The availability of course space is determined by the Registrar at the close of registration for any given semester or summer session.

## **Residence Status for Tuition Purposes**

The basis for determining the appropriate tuition charge rests upon whether a student is a resident or nonresident for tuition purposes. Each student must make a statement as to the length of his or her residence in North Carolina, with assessment by the institution of that statement to be conditioned by the following.

**Residence** -To qualify as a resident for tuition purposes, a person must become a legal resident and remain a legal resident for at least twelve months immediately prior to classification. Thus, there is a distinction between legal residence and residence for tuition purposes. Furthermore, twelve months legal residence means more than simple abode in North Carolina. In particular, it means maintaining a domicile (permanent home of indefinite duration) as opposed to maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education. The burden of establishing facts which justify classification of a student as a resident entitled to in-state tuition rates is on the applicant for such classification, who must show his or her entitlement by the preponderance (the greater part) of the residentiary information.

**Initiative** - Being classified a resident for tuition purposes is contingent on the student's seeking such status and providing all information that the institution may require in making the determination.

**Parents Domicile** - If an individual, irrespective of age, has living parent(s) or court-appointed guardian of the person, the domicile of such parent(s) or guardian is, prima facie, the domicile of the individual; but this prima facie evidence of the individual's domicile may or may not be sustained by other information. Further, nondomiciliary status of parents is not deemed prima facie evidence of applicant child's status if the applicant has lived (though not necessarily legally resided) in North Carolina for the five years preceding enrollment or re-registration.

**Effect of Marriage** - Marriage alone does not prevent a person from becoming or continuing to be a resident for tuition purposes, nor does marriage in any circumstance ensure that a person will become or continue to be a

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resident for tuition purposes. Marriage and the legal residence of one's spouse are, however, relevant information in determining residency intent. Furthermore, if both a husband and a wife are legal residents of North Carolina and if one of them has been a legal resident longer than the other, then the longer duration may be claimed by either spouse in meeting the twelve-month requirement for in-state tuition status.

**Military Personnel and Dependents** - A North Carolinian who serves outside the state in the armed forces does not lose North Carolina domicile simply by reason of such service. And students from the military may prove retention or establishment of residence by reference, as in other cases, to residency acts accompanied by residency intent.

Any active duty member of the armed services qualifying for admission to Fayetteville State University but not qualifying as a resident for tuition purposes shall be charged the in-state tuition rate and applicable mandatory fees for enrollment while the member of the armed services is abiding in this State incident to active military in North Carolina.

Any dependent relative of a member of the armed forces who is abiding in North Carolina will be eligible to pay the in-state tuition rate, if the dependent relative qualifies for admission to Fayetteville State University. In the event the member of the armed services is reassigned outside the State of North Carolina, the dependent relative shall continue to be eligible to receive in-state tuition and applicable mandatory fees so long as the dependent relative is continuously enrolled in a degree program.

To be considered for this benefit the applicant must submit a military residency application.

**Grace Period** - If a person (1) has been a bona fide legal resident of the required duration, (2) has consequently been classified as a resident for tuition purposes, and (3) has subsequently lost North Carolina legal residence while enrolled at a public institution of higher education, that person may continue to enjoy the in-state tuition rate for a grace period of twelve months measured from the date on which North Carolina legal residence was lost. If the twelve months ends during an academic term for which the person is enrolled at a State institution of higher education, the grace period extends, in addition, to the end of that term. The fact of marriage to one who continues domiciled outside North Carolina does not by itself cause loss of legal residence marking the beginning of the grace period.

**Minors** - Minors (persons under 18 years of age) usually have the domicile of their parents, but certain special cases are recognized by the residence classification statute in determining residence for tuition purposes.

- A. If a minor's parents live apart, the minor's domicile is deemed to be North Carolina for the time period(s) that either parent, as a North Carolina legal resident, may claim and does claim the minor as a tax dependent, even if other law or judicial act assigns the minor's domicile outside North Carolina. A minor thus deemed to be a legal resident will not, upon achieving majority before enrolling at an institution of higher education, lose North Carolina legal residence if that person (1) upon becoming an adult, acts, to the extent that the person's degree of actual emancipation permits, in a manner consistent with bona fide legal residence in North Carolina and (2) begins enrollment at an institution of higher education not later than the fall academic term following completion of education prerequisite to admission at such institution.
- B. If a minor has lived for five or more consecutive years with relatives (other than parents) who are domiciled in North Carolina and if the relatives have functioned during this time as if they were personal guardians, the minor will be deemed a resident for tuition purposes for an enrolled term commencing immediately after at least five years in which these circumstances have existed. If under this consideration a minor is deemed to be a resident for tuition purposes immediately prior to his or her eighteenth birthday, that person on achieving majority will be deemed a legal resident of North Carolina of at least twelve months duration. This provision acts to confer in-state tuition status even in the face of other provisions of law to the contrary; however, a person deemed a resident of twelve months duration pursuant to this provision continues to be a legal resident of the State only so long as he or she does not abandon North Carolina domicile.

**Lost but Regained Domicile** - If a student ceases enrollment at or graduates from an institution of higher education while classified a resident for tuition purposes and then both abandons and reacquires North Carolina

domicile within a twelve-month period, that person, if he or she continues to maintain the reacquired domicile into re-**enrollment** at an institution of higher education, may re-enroll at the in-state tuition rate without having to meet the usual twelve-month duration requirement. However, any one person may receive the benefit of this provision only once.

**Change of Status** - A student admitted to initial enrollment in an institution (or permitted to re-enroll following an absence from the institutional program which involved a formal withdrawal from enrollment) must be classified by the admitting institution either as a resident or as a nonresident for tuition purposes prior to actual enrollment. A residence status classification once assigned (and finalized pursuant to any appeal properly taken) may be changed thereafter (with corresponding change in billing rates) only at intervals corresponding with the established primary divisions of the academic year.

**Transfer Students** - When a student transfers from one North Carolina public institution of higher education to another, he or she is treated as a new student by the institution to which he or she is transferring and must be assigned an initial residence status classification for tuition purposes.

**Prevailing North Carolina Law** - General Statute (G.S.) 116-143.1 is the prevailing statute governing residence status classification. Copies of the applicable law and of the implementing regulations are available for review in the Office of Admissions, Room 01, Carlton J. Barber Administration Building.





# Expenses

## Tuition and Fees

Rates for tuition and fees are established by the North Carolina General Assembly, the University of North Carolina, the President of the University of North Carolina, and Fayetteville State University. The university reserves the right to change fees and expenses without prior notice to the students or the general public. Prior notification of change will be provided whenever possible.

The tuition and fees include state tuition (in-state and out-of-state rates), activities and service fees, and insurance. Additional charges for room and board are assessed to students who reside on campus. All students who reside on campus are required to purchase a meal plan. Optional meal plans are available to commuting students. In addition to these basic costs, other fees and expenses may be charged to students for special services. A complete list of current tuition, fees, and other expenses is available at the cashier's office or online at <http://www.uncfsu.edu/bursar/fees.htm>.

## Method of Payment

Tuition, fees, and room and board charges are due by the last day of registration for each semester or term. Payments can be made by cash, cashier's check, personal check, money order, credit or debit card, third-party sponsors, or financial aid. Students planning to use financial aid to pay their bills must meet all financial aid application deadlines to ensure availability of funds at the time of registration. Students with an account balance after the last day of registration must enroll in a monthly payment plan with Tuition Management Systems (TMS). Students can contact TMS at 1-888-463-6994 or online at [www.afford.com/uncfsu](http://www.afford.com/uncfsu). The monthly payment plan is *not* available for summer sessions.

## Military Personnel and Dependents

Any active duty member of the armed services qualifying for admission to Fayetteville State University but not qualifying as a resident for tuition purposes shall be charged the in-state tuition rate and applicable mandatory fees for enrollment while the member of the armed services is abiding in this State incident to active military in North Carolina.

Any dependent relative of a member of the armed forces who is abiding in North Carolina will be eligible to be charged the in-state tuition rate if the dependent relative qualifies for admission to Fayetteville State University. In the event the member of the armed services is reassigned outside the State of North Carolina, the dependent relative shall continue to be eligible to receive in-state tuition and applicable mandatory fees so long as the dependent relative is continuously enrolled in a degree program.

To be eligible for the in-state tuition rate the applicant must submit a military residency application by the deadline established by the Admissions Office.

## Tuition Surcharge

All new undergraduates seeking a baccalaureate degree at Fayetteville State University will be subject to a 25% tuition surcharge if they take more than 140 credit hours to complete a four-year degree program or more than 110% of the required credit hours to complete the officially designated five-year program.

Note: The State Scholarship Program for Children of War Veterans administered by the North Carolina Division of Veterans Affairs will not cover the 25% tuition surcharge. Responsibility for the surcharge will be placed on the student.

## Credit Hours Included in Calculation of Tuition Surcharge

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The undergraduate credit hours to be counted for this requirement include: (1) all regular session degree-creditable courses taken at FSU, including repeated courses, failed courses, course withdrawals,; and (2) all transfer credit hours accepted by FSU. However, this calculation excludes the following credit hours: (1) those earned through the College Boards Advanced Placement (AP) and College Level Examination Program (CLEP) or similar programs; (2) those earned through institutional advanced placement, course validation, or other similar procedures for awarding course credit; and (3) those earned through the summer session or degree-credit extension division at FSU or at another UNC institution.

### **Students Subject to the Surcharge**

The surcharge shall be imposed on all counted credit hours in excess of the threshold defined below for each of the following three categories of undergraduates:

1. For students earning a first baccalaureate degree in a program that requires no more than 128 credit hours, the surcharge shall be applied to all counted credit hours in excess of 140.
2. For students earning a first baccalaureate degree in a Board-approved program that requires more than 128 counted credit hours, the surcharge shall be applied to all credit hours that exceed 110% of the credit hours required for the degree. Such programs include those that have been officially designated by the Board of Governors as five-year programs, as well as those involving double majors or combined bachelors/masters degrees.
3. For students earning a baccalaureate degree other than the first, the surcharge shall be applied to all counted credit hours that exceed 110% of the minimum additional credit hours needed to earn the additional baccalaureate degree.

### **Students Exempt from the Surcharge**

The surcharge shall not be imposed on undergraduates who:

1. Complete a first baccalaureate degree program that has not been officially designated by the Board of Governors as a five-year program and whose counted credit hours were earned in eight or fewer regular term semesters or the equivalent; or
2. Complete a first baccalaureate degree program that has been officially designated by the Board of Governors as a five-year program and take their counted credit hours in 10 or fewer regular term semesters or the equivalent.

### **Calculation of the Surcharge**

The surcharge shall be imposed on tuition charged in the current semester and in subsequent semesters for students whose cumulative credit hour total - including that semester's course load - exceeds the threshold. The surcharge does not apply to required fees.

### **Refunds/Adjustments of Tuition and Fees**

Refunds and/or adjustments of tuition and fees will be made only to students who withdraw from **all** classes in which they are enrolled for the semester, and who complete the official process for withdrawing from the university. (See next section.) Students wishing to withdraw from all classes must initiate the withdrawal process by reporting to the Counseling Center located in room 131 of the W.R. Collins Building. **Students who fail to complete the official withdrawal process will not be eligible for any refund or adjustment of tuition, fee, or room and board charges. Ceasing class attendance does not constitute official withdrawal from the university.** According to the university's Undergraduate Attendance Policy, students with excessive class absences in courses at the 100 and 200 level may be withdrawn from classes by instructors. **Students withdrawn from class due to non-attendance are not eligible for any refund or adjustment of tuition and fees.**

## **Official University Withdrawal Process**

Before deciding to withdraw from the university, a student should consult with his or her advisor to discuss the reasons for the withdrawal, and the student's plan for continuing his or her education. A student who wishes to withdraw from all classes must complete the official university withdrawal process, which is initiated in the Center for Personal Development located in the Spaulding Building, Room 155. The appropriate steps in the process are as follows:

1. Upon entering the Center for Personal Development, the student will be asked to have a conference with a counselor to discuss the reasons for the possible withdrawal. If unable to resolve the problems, the counselor will ask the student to complete the top portion of the withdrawal form.
2. If the student is a boarding student, he or she will be directed to the Housing Office to complete all steps for moving out of the residence hall.
3. A representative of the Center for Personal Development will contact the Office of Financial Aid to determine if the student is a financial aid loan recipient and if he or she has had a Federal Perkins Loan. Based on the student's status, the following actions will be taken:
  - a. If the Financial Aid Office advises that the student does not have financial aid, he or she is directed to the appropriate Dean's office. The Personal Development staff member will indicate on the withdrawal form the name of the Financial Aid staff member with whom he or she spoke.
  - b. If the Financial Aid representative indicates that the student has received any loans through our institution or previous institutions, but no Federal Perkins Loan funds, the student will be directed to Financial Aid counselor for processing. Once the student has completed all financial requirements, he or she will then be directed to the appropriate Dean.
  - c. If the Financial Aid representative indicates that the student has a Federal Perkins Loan, the student will be directed to the Federal Perkins area within the Business and Finance office. Once the appropriate Federal Perkins Loan documents are completed, a Federal Perkins Loan staff member will sign the withdrawal form and the student will then be directed to the Financial Aid office to complete the final exit form. Once completed, a Financial Aid counselor will direct the student to the appropriate Dean.
4. It will be the student's responsibility to secure the appropriate Dean or designee's signature and bring the form to the Office of the Registrar for final processing. The official date of the student's withdrawal will be the initiated date, if the form is returned within seven (7) calendar days. If the student or their designee does not return the form within seven (7) calendar days of the initial processing date, the Registrar's Office cannot accept the form and the student must reinitiate the process. When extreme emergencies prevent a student from completing the withdrawal process in person, he or she must call the Center for Personal Development at 910-672-1222 within two working days of his or her departure from the university, and request special permission to process the withdrawal by mail. The appropriate forms must be returned within one week from the date they are mailed to the student. The student will be required to submit a written justification along with the forms before they will be accepted by the university. All correspondence must be directed to the Center for Personal Development.
5. When extreme emergencies prevent a student from completing the withdrawal before the published deadline, the student must make the request for withdrawal from the university, in writing, to the Provost and Vice Chancellor for Academic Affairs. This request must include documentation of the circumstances that prevented the student from completing the process according to published deadlines. Such requests must be made by the end of the next regular semester after the semester for which the university withdrawal is requested.

The university will not make any refund of tuition/fees or room and board charges until four (4) weeks after the student completes the official withdrawal process. All refunds will be made by check. After the end of the

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official withdrawal period, which is ten (10) weeks for the Fall and Spring Semesters and four (4) weeks for the Summer Sessions, adjustments can be granted only if exceptional circumstances are documented. Also within the official withdrawal period, students may request an increased withdrawal adjustment if exceptional circumstances are documented. These requests must be submitted with the appropriate documentation to the Vice Chancellor for Business and Finance. After an administrative review, the university will notify the student of its decision.

A student is not officially withdrawn from the university unless and until he/she has completed the withdrawal process. The official withdrawal date is the date that the process was initiated if the student or their designee returns the form within seven (7) calendar days of that date. The following adjustment schedules are based on the first day that classes officially begin and not when a student actually begins attending classes or completes the registration process.

When a student withdraws, the university uses the schedule below to determine the percentage adjustment that will be made to the students tuition and fee cost. Once the students balance has been adjusted, the amount the student has paid will then be deducted from the student's adjusted balance to determine if the student is due a refund or if there still remains indebtedness to the university.

<b>Withdrawal Adjustment Schedule - All Semesters</b>	
NOTE: Withdrawal from ALL classes (Adjustment includes Room and Board and is based on percentage of course completion)	
Prior to course start date to 6.5% complete	100%
6.6% to 13.0% course completion	90%
13.1% to 19.5% course completion	80%
19.6% to 26.0% course completion	70%
26.1% to 32.5% course completion	60%
32.6% to 39.0% course completion	50%
39.1% to 45.5% course completion	40%
45.6% to 52.0% course completion	30%
52.1% to 58.5% course completion	20%
58.6% to 65.0% course completion	10%
65.1% and Thereafter	

### **Refunds/Adjustments for Individual Classes**

Tuition and fee adjustments will be made only for courses dropped during the university's designated drop/add periods. A student may complete an individual class withdrawal form after the close of the drop/add period, but no adjustment of tuition and fees will be made for withdrawing from individual classes. The drop/add and withdrawal procedures apply only to students enrolled in more than one class. Students enrolled in only one class who wish to drop or withdraw from that class must go through the official university withdrawal process outlined in the previous section. A full refund of tuition and fees will be made for classes canceled by the university.

### **Room/Board Adjustments**

No adjustment of room and board charges will be made for any student who remains at the university, but who wishes to make housing changes (example: between residence halls, on/off campus) after the tenth week of the Fall or Spring Semesters. Additional room and board adjustments may be granted when a) the student withdraws from the university, b) the student is called for military deployment, c) a medical emergency, or d) a

financial hardship, all dorm and meal plan adjustments require supporting documentation and must be approved by the Director of Residence Life or designee.

### **Student Medical Insurance**

The university requires all undergraduate students to have medical insurance and provides a medical insurance plan for each student. Medical insurance fees are automatically assessed as part of a student's overall tuition and fees. A student may waive the medical insurance fee for the entire fiscal year by completing an insurance waiver form at the beginning of the Fall semester or by completing the waiver form by the last day of posted registration for each semester. This form can be completed online or at the Spaulding Building.

**Documentation of proof of insurance is needed to waive the student medical insurance fee.**

### **Indebtedness to the University**

All indebtedness to the university must be satisfactorily settled before a diploma or transcript of record will be issued. A student who is indebted to the university will not be permitted to re-enroll in subsequent terms unless such indebtedness has been satisfied. A student who is delinquent in his/her payment of a student education loan is treated as one indebted to the university. Any cost associated with the collection of a past due or delinquent indebtedness will be borne by the student.



# Financial Aid

Fayetteville State University seeks to assure that qualified students will not be denied the opportunity to attend this university because of a lack of financial resources. The Office of Financial Aid, located on the lower floor of the Lilly Building, provides information and assistance to students applying for financial aid. Inquiries about financial aid should be directed to:

Office of Financial Aid  
 Fayetteville State University  
 1200 Murchison Road  
 Fayetteville, NC 28301-4298  
 910- 672-1325  
 800-368-4210

All applicants should be aware that the financial aid application review process is lengthy. Applicants can avoid unnecessary delays in the processing of their applications by submitting all application materials by the published deadlines and making sure that all information provided on the application is correct and complete. Since financial aid funds are limited, students will increase their chances of receiving aid by applying early.

## Eligibility Criteria

To be eligible to receive financial aid assistance by the Office of Financial Aid, the applicant must:

1. be admitted and currently enrolled in at least half time status as an undergraduate or graduate student;
2. be enrolled in a degree or certificate program at Fayetteville State University;
3. be a U.S. citizen, permanent resident or eligible non-citizen;
4. make satisfactory academic progress (See “Satisfactory Academic Progress,”) toward the completion of his or her academic program;
5. not be in default status on any Title IV aid from a previous enrollment period;
6. complete the Free Application for Federal Student Aid (FAFSA) by the priority deadline of March 1.

Eligibility for most financial aid programs administered by the Office of Financial Aid is based on “Financial Eligibility” as demonstrated on the Institution Information Student Report (ISIR). Eligibility need is the difference between the costs to attend college and what the applicant and his or her family can reasonably afford to contribute toward the student's education. Graduate students are ordinarily eligible only for student loans.

<b>Total Educational Cost</b>	-	<b>Expected Family Contribution (EFC) (Based on congressional calculation)</b>	=	<b>Eligibility (Need)</b>
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A student's eligibility for financial aid is determined by the U.S. Department of Education from information provided on the Free Application for Federal Student Aid (FAFSA), which is often referred to as the need analysis document. A need analysis is a systematic method of measuring the ability of the student to pay for educational costs, and student's eligibility to receive funds from federal, state, institutional, and/or other financial aid programs.

## Deadlines

A student's eligibility for financial aid is determined from information provided on the Free Application for Federal Student Aid (FAFSA), which is often referred to as the need analysis document. A need analysis is a

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systematic method of measuring the ability of the student to pay for educational costs, and student's eligibility to receive funds from federal, state, institutional, and/or other need-based financial aid programs.

Students making initial application for aid from federal or state sources, as well as students seeking renewal of financial aid from these sources, must submit completed applications by the priority deadlines below to ensure funding notification prior to the anticipated enrollment period. To be complete, an application must include accurate data and all supporting documentation, including all required materials if the application is selected for verification by the U.S. Department of Education.

Term for which aid is requested	Priority Deadline for FAFSA filing
Academic Year	March 1
Summer School	May 1

To apply for Stafford Loans and/or Parent Plus Loans, you must have a completed Financial Aid file by the applicable Deadline date.

Term for which loan is requested	Deadline
Fall Semester	October 1
Spring Semester	March 1
Summer Session I	May 1
Summer Session II	June 1
You must complete a Renewal or New Free Application for Federal Student Aid (FAFSA) each Academic year by: March 1	

### Default Policy

Students whose financial aid has been terminated because they have defaulted on a student loan at a previous institution(s) or at Fayetteville State University may become eligible for reinstatement of financial aid when the U.S. Department of Education submits, in writing, to the Office of Financial Aid at Fayetteville State University that the student is "No Longer in Default."

*A student whose default status is cleared by the U.S. Department of Education will be eligible to receive funding for which that student qualifies.*

### Warning to All Financial Aid Applicants

Information provided by applicants may be verified by the university, the state, or by the U.S. Department of Education. Applicants may be asked to provide U.S. Income Tax returns, non-filing documents, untaxed income verification, and other requested documents. Applicants who do not provide these records to the university will not be awarded federal student aid. If federal student aid is awarded based on incorrect information provided on the FAFSA by the student and/or documentation submitted to the Office of Financial Aid, the applicant will have to pay it back, in addition to fines and fees. If an applicant gives false or misleading information on the application, the applicant may be fined \$10,000, sent to prison, or both.

### Steps for Applying for Financial Aid

To be eligible for scholarships, grants, work-study, and/or loans, students must complete each of the following steps.



1. Complete the Free Application for Federal Student Aid (FAFSA) - This form can be obtained from high school guidance counselors or a financial aid office at a college or university. The FAFSA must be filed to determine students' financial need and eligibility for financial aid at Fayetteville State University. This form should be completed at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) or mailed to the Federal Government Central Processing System (CPS) in accordance with instructions on the FAFSA. Based on the FAFSA, the student will receive a Student Aid Report (SAR), and the student's Institutional Information Report (ISIR) will be sent directly from the federal agency to the Office of Financial Aid at FSU.
2. Verification - The U.S. Department of Education randomly selects a certain percentage of financial aid applications for verification. Students whose applications are selected for verification must present the documents listed below to support the data reported on the FAFSA. These documents should be submitted to the Office of Financial Aid within seven (7) calendar days of receipt of the request.
  - a. Student or parent signed federal tax return for the current year.
  - b. Federal verification worksheet.
  - c. Documentation of earned income if the student or parent is not required to file a tax return.
  - d. Any documents requested to validate data reported on the Free Application for Federal Student Aid.
3. Award Letter - When the review process is complete, the student will receive an award letter in the mail. The Office of Financial Aid will automatically accept your award unless you indicate "decline" of any fund that is listed on the award letter. The signed award letter should be sent to the Office of Financial Aid and a copy retained for your records.
4. Summer School – Applicants must submit a separate summer school application that is available online and will be due by May 1.

### **Federal Financial Aid Available**

Students who meet all eligibility requirements for financial aid will be awarded a financial aid package that combines funds from one or more of the following funds:

#### **Federal Pell Grants**

The Pell Grant Program provides federal grant funds for needy students who have not completed a first bachelor's degree. To be eligible, the student must demonstrate financial eligibility as determined by the U.S. Department of Education. The grants range from \$976 - \$5350.

#### **Federal Supplemental Educational Opportunity Grant (SEOG)**

These federal grant funds administered by the university are awarded to students who have not completed degree requirements for a bachelor's degree, and who demonstrate exceptional financial need on the FAFSA. The grants can range from \$100 to \$4,000 per award year and are awarded to the neediest students (ordinarily students with a zero EFC) as allowable based on the availability of funds.

#### **Federal College Work Study Program (FWSP)**

This federally funded employment program is administered by the university and provides part-time jobs on the Fayetteville State University campus for students who have financial eligibility as demonstrated on the FAFSA. Students normally work eight to ten hours per week in a University facility. Wages paid are at least at the minimum wage rate and are used to assist the student in meeting educational expenses.

#### **Federal Perkins Loan Program (Formerly the National Direct/Defense Student Loan - NDSL)**

The Perkins Loan Program is a federal loan program administered by the university to provide students with exceptional financial need long-term, low interest (5%) loan funds for educational expenses. Under this program

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students may borrow up to \$5,500 per year to finance their education and must repay the loan after leaving school.

Repayment begins six months after graduation or after the student ceases to be enrolled at least on a half-time basis. The student may take up to ten years to repay the loan. Interest on the loan does not begin to accrue until the end of the six-month grace period. All or a portion of the loan can be canceled by teaching in certain approved areas, by specified military service, by working in the law enforcement field, or by service as a Peace Corps or VISTA volunteer. The student must demonstrate financial need on the FAFSA to qualify for this program. A promissory note must be signed in the Perkins Loans Office for each academic period for which Perkins funds are received.

### **The Federal Family Education Loan Program (FFELP)**

The Federal Family Education Loan Program is a low interest loan divided between subsidized and unsubsidized loan programs. These loans provide assistance to students in meeting educational expenses. Interest is deferred on the principal of the subsidized loan while the student maintains continuous enrollment. Depending on eligibility or unmet cost of attendance, a student may borrow up to:

- \$5,500 a year during the first year;
- \$6,500 a year during the second year of undergraduate study;
- \$7,500 a year for students with junior or senior status.

To apply for FFELP Loans, the student must have completed the Financial Aid process by the applicable deadline dates:

Fall Semester	October 1
Spring Semester	March 1
Summer Session I	May 1
Summer Session II	June 1

Students must complete a Renewal or FAFSA each academic year by March 1 to be considered for loans.

### **Federal Parent Loans for Undergraduate Students (PLUS)**

PLUS loans are for parents of dependent students enrolled in college. The PLUS loan provides additional funds for educational expenses up to cost of attendance. Borrowers begin repayment of interest and principle within 60 days of the receipt of the loan funds, unless they are eligible for a deferment. The student must complete a FAFSA to determine eligibility for financial aid funds prior to the completion of the PLUS promissory note.

To apply for Parent Plus Loans, the student must have completed the Financial Aid process by the applicable deadline dates:

Fall Semester:	October 1
Spring Semester:	March 1
Summer Session I:	May 1
Summer Session II:	June 1

Students must complete a Renewal or FAFSA each academic year by March 1 to be considered for loans.

## **State Scholarships and Grants for NC Residents**

The State of North Carolina offers a variety of aid for NC residents. A current and complete list of grants, scholarships, and application criteria is available at [http://www.cfnc.org/paying/schol/info\\_schol.jsp](http://www.cfnc.org/paying/schol/info_schol.jsp).

## **Institutional Scholarships and Grants**

Fayetteville State University offers a variety of institutional scholarships and grants. A current and complete list of scholarships, selection criteria, and application materials is available at the Fayetteville State University website at <http://finaid.uncfsu.edu/scholarshipindex.htm>.

## **Satisfactory Academic Progress**

Financial aid recipients must make satisfactory academic progress to maintain eligibility for financial aid. Fayetteville State University defines satisfactory academic progress in quantitative and qualitative terms. Students are evaluated for satisfactory academic progress at the end of each semester, at which time students must have earned at least 67% of their attempted hours with a minimum GPA of 2.0. Students whose total of attempted hours (including all transfer hours) exceeds 180 may re-enroll if their GPA is 2.0 or higher, but will be ineligible for financial aid. Students will be evaluated for financial aid eligibility at the end of each semester and will be notified by the Academic Appeals Committee of their eligibility status. Students may appeal their financial aid eligibility by following the process delineated below.

## **Appeal Procedure**

Students whose financial aid is cancelled as a result of being placed on academic suspension must appeal financial aid ineligibility as part of their suspension appeal. The appeal must be made in writing and submitted to:

Chair of Appeals Committee  
c/o Transfer and Advisement Center  
Fayetteville State University  
Fayetteville, NC 28301-4298

Letters of appeal of academic suspension must be submitted by July 15 for the fall semester and November 1 for the spring semester, and must address each of the following:

1. The special or unusual circumstances, with documentation, that contributed to the student's academic suspension;
2. Actions the student has taken to change the circumstances so that they will not contribute again to poor academic performance;
3. Specific steps the students will take to improve his or her academic status in the upcoming semester;
4. An address and phone number at which the student may be notified of the committee's decision.

The Appeals Committee's response will indicate one of the following: 1) approval for student to re-enroll with reinstatement of financial aid; 2) approval for student to re-enroll without reinstatement of financial aid; 3) denial of the appeal. Appeals will be granted only under extraordinary circumstances that are appropriately documented. Student appeals submitted after the deadline will not be considered. Students suspended more than two times will be permitted to re-enroll only under the provisions of the Academic Fresh Start Policy.

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**Students who meet the academic standards for re-enrollment, but fail to meet the standards for continued financial aid must submit a letter of appeal that addresses the items outlined above to:**

Chair of Appeals Committee  
c/o Transfer and Advisement Center  
Fayetteville State University  
1200 Murchison Road  
Fayetteville, NC 28301-4298

Appeals will be granted only under extraordinary circumstances that are appropriately documented. Student appeals submitted after the deadline (August 1 for the fall semester; November 1 for the spring semester) will not be considered.

### **Financial Aid Withdrawal Refunds/Repayments**

#### **Refunds to Programs**

When a student withdraws from the university, refunds will be returned to the programs from which the student received aid. The date of withdrawal is determined by the Registrar's Office and is based upon the date the student began the withdrawal process. Refunds are determined by using the Withdrawal/Refund Calculation Sheet that is based upon Federal Rules and Regulations #484B, #682.606, and #682.607 in the Federal Register.

If the student does not complete the university's official withdrawal form, the student will be responsible for 100% of the semester's charges. If the student secures documentation from each of his professors attesting to his last date of attendance in their classes and completes a Withdrawal Form, a refund may be calculated based upon the normal withdrawal/refund processing policy. (The Registrar determines if the documentation is sufficient. If the Registrar changes the date of withdrawal, the student should contact the Office of Financial Aid to determine if a recalculation is appropriate.)

#### **Repayments to Programs When a Return of Title IV Calculation is Completed**

If a return of federal funds is applicable based on the calculation of a withdrawal, the funds will be returned in the following order to the United States Department of Education:

1. Unsubsidized FFEL/Direct Stafford Loan
2. Subsidized FFEL/Direct Stafford Loan
3. Perkins Loan
4. FFEL/Direct PLUS (Graduate Students)
5. FFEL/Direct PLUS (Parent)
6. Pell Grant
7. Academic Competitiveness Grant
8. National Smart Grant
9. FSEOG
10. Other Title IV Grant Funds

# Student Affairs

The Division of Student Affairs is committed to providing an exceptional co-curricular experience, supportive of the academic program at Fayetteville State University from orientation through graduation. With a strong emphasis on total student development, the division strives to prepare each student for a productive, ethical and meaningful life after college, while fostering an inclusive campus community in support of the educational mission of the university.

The philosophy of the division is that student development is an on-going and cumulative process of intellectual, psychological, cultural, social, and spiritual growth. This growth and development is shaped by a student's involvement outside the classroom and is a valuable part of the collegiate learning experience. Accordingly, the goals of Student Affairs are: to provide programs, services and events that promote cultural enrichment and development; to collaborate with academic units and utilize Experiential Learning opportunities to enhance students' productivity; and to maintain a campus environment that encourages social diversification while promoting interpersonal interaction.

Services and programs are offered in the areas of Career Services, Residence Life, Center for Personal Development, Student Activities, Intramurals and Campus Recreational Services, Student Health Services, and Dean of Students.

## **Career Services Center**

The Career Services Center, located in Suite 230, School of Business and Economics Building, provides support and assistance for all students. Services are available to undergraduates, graduates and recent alumni of the university in their preparation for securing meaningful employment. The office offers career exploration seminars, workshops, job fairs, symposia and classroom presentations. All students are expected to start the placement process in the freshman year and continue through graduation. The Career Resource Library offers materials and information regarding careers, the job search process and company literature, as well as graduate schools and fellowship programs.

## **Job Location and Development Program**

The Job Location and Development Program, located within the Advisement and Career Services Center, assists currently enrolled students in finding part-time and summer employment at off-campus locations. The program affords opportunities for students to learn skills while developing work habits and values that will benefit them throughout their careers.

## **Cooperative Education**

Cooperative Education (CO-OP), offered through Advisement and Career Services Center, is a unique plan of education, which integrates a student's academic and career interests with productive work experiences in cooperating employer organizations. Through this interaction, students enhance their education and improve their personal and professional development. The academic advisor, cooperative education coordinator, and the employing supervisor all share in the intellectual and personal development of the student. The cooperative education experience enhances the self-awareness and direction of students by allowing them to develop practical skills and gain exposure to work environments beyond the university.

To ensure proper credit, students must complete all paperwork and approval processes prior to registering for CO-OP courses. Approval includes the cooperative education coordinator, academic advisor, department chair, and dean.

## **Center for Personal Development**

The Center for Personal Development offers programs, services and activities to assist students with social, personal and academic growth during their matriculation at the university. In addition to counseling services, the

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Center for Personal Development staff presents workshops and outreach activities designed to enhance students' self-esteem, study skills, leadership abilities, and decision-making skills. A confidential counseling atmosphere is provided for all enrolled students where personal, social, and academic concerns may be discussed. A licensed psychologist is also on staff for counseling and testing when required.

Individual and group counseling sessions are available, and the information discussed therein is held in strict confidence to the limits provided by law. No record of counseling is made on academic transcripts or placement files. Referrals to community agencies are made when necessary. Office hours are 8:00 a.m. to 5:00 p.m., Monday, Thursday, and Friday, and 8:00 a.m. to 7:00 p.m., Tuesday and Wednesday. Other times are available by appointment.

Services for Students with Disabilities; the Wellness Program; the Drug and Alcohol Education Prevention program are also coordinated through the Center for Personal Development.

### **Services for Students with Disabilities**

The university provides for the matriculation of all students without regard to sex, race, religion, or disability. The university continues to be sensitive to the identification of possible barriers to students with disabilities and attempts to make reasonable accommodations for these students. Students with disabilities who need assistance in utilizing university services should register with the Center for Personal Development as soon as they are admitted to the university.

### **Wellness and Human Sexuality Program**

The Wellness & Human Sexuality Program offers information that targets problems most likely to affect college students. The information is available to students in various forms ranging from workshops to software. The Wellness Center offers information in the following areas of general health and human sexuality; first aid, dental health, eating disorders, HIV infection and AIDS Prevention, human sexuality and reproductive health, mental health, nutrition, weight control, sexual assault and nonconsensual sex, stress management and holistic health.

### **Drug and Alcohol Education Prevention Program**

The Substance Abuse Prevention Program offers awareness information in an attempt to curb alcohol and other drug use and its associated negative consequences. A comprehensive prevention approach has been established that combines traditional educational programs with strategies aimed at informing the social environment on campus. Successful partnerships have been established with the following agencies in an effort to provide current information to the student population: County of Cumberland Mental Health Center, North Carolina Highway Patrol, ABC Alcohol Law Enforcement, Operation Sickle Cell, Inc., Rape Crisis, Volunteers of Cumberland County.

### **Intramurals and Campus Recreational Services**

The Intramurals and Campus Recreational Services program is a unique opportunity for members of the Fayetteville State University community to participate together in sports leagues, tournaments and special events. There are five team sports competitions: basketball, flag football, soccer, softball and volleyball. Other individual sports and special events include track, table tennis, racquetball, tennis and self-defense.

Participants do not have to possess superior athletic abilities. All levels of skill are incorporated. Eligibility is limited to Fayetteville State University students, faculty, and staff. Complete participant eligibility rules and sport specific rules can be found in the soon to be published Intramurals and Recreational Services Handbook.

The Intramurals and Recreational Services Office is located in the Lilly Gymnasium, room 206.

## **Residence Life**

The primary goal of the Department of Residence Life is to create an atmosphere that is conducive to the overall educational mission of the university. Living on campus is an integral part of the existing challenge of the college experience.

Currently, priority is given to first year freshmen and sophomores in accordance with the on-campus living policy. All residents are responsible for acquainting themselves and adhering to the policies and regulations outlined in the Student Code of Conduct, Guide to Residential Living and the FSU Housing Application. Alcohol, weapons, and drugs are strictly prohibited on campus. Students are also responsible for the behavior of their guests.

The main office of Residence Life, located in the Rudolph Jones Student Center, offers a community environment to approximately 1300 students who reside in ten residence halls. Each hall is professionally and student staffed to assist residents by facilitating activities and helping to resolve problems.

Fayetteville State University offers four suite style buildings and six traditional hall style buildings. Residents are encouraged to make their living environment comfortable and personalized.

## **Student Center/Student Activities**

The Rudolph Jones Student Center serves as the community center for students, faculty, and staff by providing an environment conducive for growth and exchange. The Office of the Student Activities, Bronco Express One Card, Photography/ID, Student Government Association, Student Activities Council and Fayettevillian Yearbook Office are housed in the facility. The newly and established One Stop is a generalist program designed to provide efficient and accurate solution to student and prospective student inquiries about efficient and accurate solutions to student and prospective student inquiries about admissions, financial aid, registration, housing, parking and other student related issues and concerns. The Student Center is equipped with meeting rooms, student lounge areas, television lounge, game room, full service post office, Subway franchise and cafeteria. Other services available in the Center include copy machine, vending machines, and teller machine.

## **Office of Student Activities**

The Office of Student Activities provides opportunities for students to involve themselves in co-curricular activities. Through this involvement, students are challenged through experiential learning and receive practical experience in program planning, leadership, problem solving, and consulting.

The Office of Student Activities is responsible for certifying and monitoring the registration process for student clubs and organizations. Procedures for registering a student organization and for establishing a new student organization can be found in the Student Handbook and the FSU Guide for Student Clubs and Organizations.

## **Student Activities Council**

The Student Activities Council (SAC) has been established as the primary planning and implementation board of the majority of students' social, cultural and recreational activities and events. The Council is comprised of several elected underclassmen and executive board members. Council members are elected annually and serve as representative of their constituents.

## **Student Government Association**

The Student Government Association (SGA) is the organization that represents Fayetteville State University students. SGA strives to meet the needs of students and to act in their best interests. The officers focus on

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communications with students and on general operation of the Student Government. The Senate, composed of student representatives, is responsible for examining student concerns and making appropriate recommendations to the university administration.

### **Student Health Services**

The mission of Student Health Services is to provide quality, cost effective health care and health educational services that will assist the students in their environments for better physical, emotional, and social well being.

Student Health Services is located in Spaulding Infirmary. All currently enrolled students are eligible for health care. Treatment of minor illnesses and minor injuries are provided at Student Health Services. Students needing referrals for specialized services are referred to local area clinics and hospitals. The student is responsible for all charges not covered by their personal insurance plan, and/or their Student Medical Insurance Plan.

In order to give satisfactory service to each student, the Student Health Services staff desires the cooperation of each student in adhering to Student Health Policies. All students who have medical problems or questions are invited to consult the Student Health Services staff. On each visit to Student Health Services a valid Fayetteville State University Identification Card must be presented prior to treatment and/or services.

A nurse is always on duty during hours of operation to evaluate, treat, and refer if necessary. Physician appointments are made after consultation with the nursing staff. After hours, there is an on-call nurse who can be reached through Campus Police or Residence Hall Advisor/Director.

### **Insurance**

Fayetteville State University strongly encourages each student to have accident and medical insurance either by their personal policy or under the FSU Student Medical Insurance Plan. Brochures describing the Student Insurance Plans are available at Student Health Services.

The premium for the Student Medical Insurance Plan is included in each undergraduate student's semester bill. Undergraduate students who do NOT wish to be enrolled in the Student Insurance Plan MUST complete the insurance waiver form and present proof of personal insurance coverage at Student Health Services by no later than the last published day of the Drop and Add Period each Fall and Spring Semester. Students who participate in varsity athletics are not allowed to waive their FSU Student Medical Insurance Plan without permission from their coach.

Graduate students may obtain insurance coverage by contacting Student Health Services. Graduate students' insurance premiums are not included in the graduate student's semester bill. Any student enrolled in the Student Insurance Plan may enroll their eligible dependents by also contacting Student Health Services for appropriate enrollment forms.

International students are insured under the University System International Insurance plan. All international students are to contact Student Health Services for information and a copy of the policy.

### **Medical Immunization Requirements**

Fayetteville State University and North Carolina Statute, G.S. 130A-152, require that all new, readmitted and transfer students taking more than four hours on campus before 5:00 p.m., and students applying for admission to the Teacher Education Program complete the medical/immunization requirements. The required immunizations are listed on the Student Health Form included in the admission packet sent to all new and readmitted students. These include the following according to age:

1. **Students 17 years of age and younger:**
  - a. Three DTP (Diphtheria-Tetanus-Pertussis) or one Td (Tetanus Diphtheria) doses.
  - b. One Td (Tetanus-diphtheria) dose must be within the last ten years.
  - c. Three POLIO (oral) doses.
  - d. Two MEASLES (Rubeola) one dose on or after 12 months of age. (2 MMR doses meet this requirement).



- e. One\*\* RUBELLA (German Measles) dose.
- f. One\*\* MUMPS.

**2. Students born in 1957 or later and 18 years of age or older:**

- a. Three DTP (Diphtheria-Tetanus-Pertussis) or Td (Tetanus-Diphtheria) doses.
- b. One TD (Tetanus-Diphtheria) dose must be within the last 10 years.
- c. Two\* MEASLES (Rubeola) one dose on or after 12 months of age. (2 MMR doses meet this requirement).
- d. One\*\* RUBELLA (German Measles) dose.
- e. One\*\* MUMPS.

**3. Students born prior to 1957 and 49 years of age or younger:**

- a. Three DTP (Diphtheria-Tetanus-Petussis) or TD (Tetanus-Diphtheria) doses.
- b. One Td (Tetanus-Diphtheria) dose must be within the last 10 years.
- c. One\*\* RUBELLA (German Measles) dose.

**4. Students 50 years of age or older:**

- a. Three DTP (Diphtheria-Tetanus-Pertussis) or TD (Tetanus-Diphtheria) doses.
- b. One TD (Tetanus-Diphtheria) dose must be within the last 10 years.

\*Must repeat Rubeola (measles) vaccine if received even one day prior to 12 months of age. History of physician-diagnosed measles disease is acceptable, but must have signed statement from a physician.

\*\*Only laboratory proof of immunity to rubella or mumps disease is acceptable if the vaccine is not taken. History of rubella or mumps disease, even from a physician, is not acceptable.

**5. International Students:** Vaccines are required according to age refer to above information).

Additionally, international students are required to have a TB skin test. Negative results must be within the 12 months preceding the first day of classes. (A chest x-ray is required if the test is positive).

**6. Recommended Immunizations:** The following immunizations are recommended for all students and may be required by certain colleges or departments (for example, health sciences or education). Please consult your college or department materials for specific requirements. These include Hepatitis B series, Varicella (chicken pox), Meningococcal, Tuberculin Test. Receipt of Meningococcal vaccine information must be documented on Student Health Form.

**7. Optional Immunizations:** These include Haemophilus influenza –type b, pneumococcal, Hepatitis A series, and Typhoid.

**8. Additional Information:**

- a. All medical/ immunization records should be mailed directly to Student Health Services.
- b. The immunization record must be physician-certified or verified by a clinic stamp.
- c. Any medical exemption from the immunization requirement must be verified in a written statement by a physician.
- d. All medical information is confidential and is not divulged without the written consent of the student.
- e. The university is required by North Carolina state law to withdraw all students who do not provide the necessary immunization records. This administrative withdrawal can result in loss of grades and/ or academic credit.
- f. Students who are exempt from the immunization requirement include the following:
  - i. Students taking fewer than four credit hours; or
  - ii. Students attending only evening classes; or
  - iii. Students attending weekend classes only; or

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- iv. Students taking off-campus classes for the duration of their degree.

### **Transportation**

In emergency situations, the Emergency Medical System (EMS) will be activated for students who require it. The student will be responsible for charges or bills for EMS/ambulance services not covered by their medical insurance. Student Health Services is equipped to serve students in the Spaulding Building and is not prepared to care for students in the residence halls. **The Student Health Services staff does not make building calls.**

### **Dean of Students**

The Dean of Students administers judicial policies and adjudicates alleged violations of the Code of Student Conduct for the university student judicial system. The Code of Student Conduct applies to all enrolled part-time, full-time and graduate students while they are on premises owned by the University, on city streets running through or adjacent to the campus and in off-campus facilities occupied by students by virtue of their association with an organization recognized by the University.

The Dean also provides various means of support as needed in crisis situations that involve students, faculty, and other university offices. In addition, this office advises the National Pan Hellenic Council, Inc., the Student Judicial Board and the Order of Omega Honor Society. The Office of the Dean of Students is located in the Division of Student Affairs Suite 209 Collins Wing of the E.E. Smith Administration Complex.

### **Alcohol/Drug Policy**

Alcoholic beverages and drugs are strictly prohibited on the campus of Fayetteville State University. This includes the possession, sale, distribution, and consumption of any alcoholic beverages and illegal drugs.

### **Counseling and Rehabilitation**

Counseling and rehabilitation related to alcohol and drug abuse are an important part of the university's alcohol/drug policy. The following specific activities shall be implemented:

1. Information regarding the Center for Personal Development's services and referral process for alcohol and drug abuse shall be disseminated to students, faculty, administrators, and staff.
2. Members of the academic community who are aware of individuals with alcohol/drug problems shall be encouraged to make referrals to the Center for Personal Development or other agencies.

### **Enforcement and Penalties Trafficking in Illegal Drugs**

For illegal manufacture, sale or delivery, or possession with intent to manufacture, sell or deliver any controlled substance identified in Schedule I through VI, NC General Statutes 90-89, 90-91 through 90-94, (including but not limited to heroin, mescaline, lysergic acid diethylamide, opium, cocaine, amphetamine, methaqualone, marijuana, pentobarbital, codeine) the minimum penalty shall be expulsion from enrollment of any student or dismissal from employment for any faculty member, administrator or any other employee.

### **Illegal Possession of Drugs**

For the first offense involving the illegal possession of any controlled substance identified in Schedule I, NC General Statutes 90-89, Schedule II, NC General Statutes 90-90, the minimum penalty shall be suspension from enrollment for a minimum of one calendar year for any student, faculty member or employee. For a second offense for possession of any controlled substance identified in Schedule I, NC General Statutes 90-89, or Schedule II, NC General Statutes 90-90, the minimum penalty shall be expulsion from enrollment or dismissal from employment.

For a first offense involving the illegal possession of any controlled substance identified in Schedules III through VI, NC General Statutes 90-91 through 90-94, the minimum penalty for any student, faculty member or other employee shall be probation, for a period to be determined on a case-by-case basis. A more severe penalty may be imposed including the maximum penalty of expulsion for students and discharge for faculty members, administrators or other employees.

A person on probation must agree to participate in a drug education and counseling program, consent to regular drug testing, and accept such other conditions and restrictions, including a program of community service, as the chancellor or the chancellor's designee deems appropriate. Refusal or failure to abide by the terms of probation shall result in suspension from enrollment or from employment for any unexpired balance of the prescribed probation.

For second or other subsequent offenses involving the illegal possession of controlled substances, progressively more severe penalties shall be imposed, including expulsion of students and discharge of faculty members, administrators or other employees.

When a student, faculty member, administrator, or other employee has been charged by the university with a violation of policies concerning illegal drugs, he or she may be suspended from enrollment or employment before initiation or completion of regular disciplinary proceedings if, assuming the truth of the charges, the Chancellor or, in his absence, the Chancellor's designee concludes that the persons continued presence within the university community would constitute clear and immediate danger to the health or welfare of other members of the university community. If such a suspension is imposed, an appropriate hearing of the charges against the suspended person shall be held as promptly as possible thereafter.

A complete statement of the Fayetteville State University Alcohol/Drugs Policy can be found in the *Student Handbook*, which is published by the Office of the Vice Chancellor for Student Affairs.

### **Policy on Sexual Harassment**

Sexual harassment by any member of the university is a violation of law, university policy, and professional ethics. The university does not condone either sexual harassment or false charges of sexual harassment. It is the policy of the university to provide procedures to deal fairly with complaints of sexual harassment and to protect the rights of both the persons making complaint of sexual harassment and the person accused.

Students who believe themselves to be victims of sexual harassment, or who are unsure of whether sexual harassment has occurred, or who need clarification concerning the university's procedure for handling sexual harassment, should consult a University Sexual Harassment Mediator. A list of mediators and the procedures are available from the University Attorney, Office of the Chancellor.

### **Policy on Sexual Offense**

Sexual offenses are a violation of the university's mission of education. Sexual offenses and concern about potential offenses obstruct the working and learning processes which are valued and desired in the university environment. No form of sexual offense will be tolerated or condoned at Fayetteville State University. This policy thus prohibits not only those acts commonly understood to constitute sexual assault, but all attempts to coerce sexual activity as well.

A complete statement of the Fayetteville State University Policy on Sexual Offense can be found in the *Student Handbook*, which is published by the Office of the Vice Chancellor for Student Affairs.

### **Written Complaint Procedure**

At Fayetteville State University, we recognize our students as the primary customers for all of the services that we offer, from classroom instruction to personal counseling to computer labs. When an area of the university needs improvement or change to better serve the needs of our students, we appreciate hearing from them.

As a first step, students are encouraged to discuss their complaints directly with the person responsible for the area or problem. If the issue is not or cannot be addressed through discussion with the responsible person and if there are no methods prescribed for appeal in the applicable area in University Catalog, Student

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Handbook, or other official University documents, then the issue should be outlined in writing and submitted to the following offices in the order indicated:

### **Academic Complaints:**

1. Department Chair
2. Dean of the School/College
3. Provost and Vice Chancellor for Academic Affairs

### **Non-Academic Complaints:**

1. Department or Office Director
2. Vice Chancellor of the Division to which the Department or Office reports

Each office listed above will respond to the student within 10 working days of receipt of the written suggestion or complaint. If the issue is not satisfactorily resolved at the first level, the student should submit his/her request to the next highest level. If the issue remains unresolved at the highest level indicated above, the student(s) should appeal to the Office of the Chancellor.

### **Americans with Disabilities Act Section 504 of the Rehabilitation Act Complaint Procedures**

Section 504 of the Rehabilitation Act of 1973 prohibits discrimination on the basis of physical or mental handicap by programs receiving federal assistance. Section 504 focuses on program accessibility, academic accommodations, and integrated settings. Title II of the Americans with Disabilities Act prohibits discrimination based on disability in all programs, activities, and services of State and local governments.

As an institution that receives federal assistance from the U.S. Department of Education and as a constituent institution of the University of North Carolina (a state agency), Fayetteville State University must comply with the laws and regulations pertaining to Section 504 and ADA.

It is the policy of FSU that no qualified individual with a disability will be excluded, by reason of such disability, from the participation in or be denied the benefits of the services, programs, or activities offered by FSU or be subjected to discrimination.

Additionally, FSU does not discriminate against a qualified individual with a disability, in regard to job application procedures, the hiring, advancement, or discharge of employees, employee compensation, job training, or any other term, condition, and privileges of employment.

These procedures were established to provide an individual with the means to file a complaint if the individual believes that he or she has been discriminated against based on disability. A student, employee, applicant or member of the public who wishes to file a complaint regarding the University's compliance with ADA/Section 504 must file such a complaint with the Director for the Center for Personal Development, Fayetteville State University, Fayetteville, NC 28301-4298.

### **Statement on Sexual Orientation**

Fayetteville State University regards unfair treatment based on sexual orientation to be inconsistent with its goal of modeling an environment where individual differences are acknowledged and respected. Fayetteville State University values the benefits of diversity and welcomes individuals of good will without regard to sexual orientation. As a consequence, Fayetteville State University considers it the ethical and moral responsibility of every member of its community to promote the development of an environment characterized by mutual respect and tolerance.

Those who believe they have been treated unfairly on the basis of sexual orientation should contact the following offices: the Dean of Students for current and prospective students; the Office of Human Resources for employees and applicants for employment; and the University Legal Counselor for members of the public.

# Academic Regulations

## Policy on FSU Electronic Mail

Fayetteville State University provides to each student, free of charge, an electronic mail account that is easily accessible via the Internet. The university has established email as the primary mode of communicating with enrolled students about impending deadlines, upcoming events, and other information important to student progression at the university. Students are responsible for reading their email on a regular basis to remain aware of important information disseminated by the university. The university maintains open-use computer laboratories throughout the campus that can be used to access electronic mail.

Students making inquiries via email to FSU faculty and staff about academic records, grades, bills, financial aid, and other matters of a confidential nature are required to use their FSU email account.

Rules and regulations governing the use of FSU email may be found at:

<http://www.uncfsu.edu/itts/policies/EmailPolicyFinal.pdf>

## Catalog Policy

Students must complete the curriculum requirements as outlined in the catalog that is in effect at the time of their initial enrollment at the university, except for the following reasons:

1. Time to degree – Degree requirements remain in effect for six years for students who maintain six years of continuous enrollment from the date of their initial enrollment at the university. Students who do not complete all degree requirements within six years of continuous enrollment will be guided by the catalog in effect when they apply for graduation. Students who do not maintain continuous enrollment must apply for readmission to the university.
2. Readmitted students - Students who are not enrolled for one semester (fall or spring) or more must apply for readmission to the university. If readmitted, students must follow the catalog in effect at the time of their re-enrollment. For readmitted students, the time limit for completing all degree requirements will be calculated from the date of their re-enrollment. Readmitted students who are unable to complete their degrees within the time to degree limits must complete the curriculum requirements as outlined in the catalog that is in effect when they apply for graduation.
3. Selection of current catalog - Students may choose to be guided by the current catalog in lieu of the catalog under which they were admitted or readmitted. When students choose the current catalog, however, they must meet all of the requirements of that catalog. Students are not permitted to combine the requirements of two or more catalogs.

This policy applies only to degree program requirements. Students are governed by the academic regulations of the current catalog. Students must become thoroughly familiar with all current regulations of the university. Students are solely responsible for complying with all regulations of the university, of their school or college, and of the departments from which they take courses. They are also responsible for fulfilling all requirements for their respective degree programs. Requirements are considered complete only when appropriate documentation is recorded in the Registrar's Office.

## Classification of Students

Undergraduate students at Fayetteville State University are classified according to the number of semester hours they have earned in keeping with the following table:

Fewer than 30 hours	Freshman
30 – 59 hours	Sophomore

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60 – 89 hours	Junior
90 or more hours	Senior

Students are also classified according to the following categories:

1. **Regular Student** - A regular student is one who has met all admission requirements and who is pursuing a degree program.
2. **Full-Time Student** - A full-time student is one who registers for a minimum of twelve credit hours during a regular semester or six credit hours during a summer session. Students enrolled at the Fort Bragg Center or in Weekend and Evening College classes are considered full time if they enroll in at least six hours per term for a minimum of twelve hours for the semester.
3. **Part-Time Student** - A part-time student is one who registers for fewer than twelve credit hours during a regular semester or fewer than six credit hours during a summer session. A part-time student in weekend and evening classes is enrolled in fewer than six credit hours during a term.
4. **Special/Visiting Student**- A special visiting student is one who is not pursuing a degree program. Most special visiting students are enrolled in a professional licensure program, have permission from a home university or college to enroll in FSU courses, or are non-degree seeking students enrolling for life enrichment.
5. **Professional Development – Teacher Licensure** – A student who already holds a baccalaureate degree but is seeking teacher licensure will be classified as an undergraduate professional development student.

### Majors

Degree seeking students must complete all requirements of a major field of study, including all correlative requirements such as a minor, concentration, or track. Admission to the university does not guarantee admission to a specific degree program. Therefore, students must submit the online “Declaration of Major” form to request admission to a degree program.

Students who enter the university as first-time freshmen are required to declare a major in the second semester of their freshman year. Transfer students must declare a major in their first semester of enrollment. If the department chair accepts a student into a degree program, the department chair will assign an advisor to the student.

A student wishing to change his or her major after officially declaring a major should recognize that the hours completed for the initial major may not be applicable to the new major, which may delay the student’s progress toward graduation. Hence, students should take advantage of the educational guidance offered by advisors, administrative officers, and the catalog before changing majors. To change a major the student must complete the on-line change of major form. The chair of the department of the new major will assign the student an advisor.

All degree-seeking students are required to declare a major prior to earning 60 credit hours. Students with no officially declared major and 60 or more credit hours will be blocked from registering for classes.

Special-visiting students must change their status to degree-seeking before submitting the declaration of major form.

### Academic Advisement

All students are assigned an advisor with whom they must consult in planning their academic programs, registering for classes, and making other decisions regarding their academic progression. Although students are expected to consult advisors on a regular basis, **students bear final responsibility for the decisions they make.**

**Advisors are assigned to students according to the following guidelines:**

1. University College faculty members serve as advisors for first year students

2. Department chairs assign an advisor to each student admitted to a major. Students may request an advisor or change an assigned advisor by contacting the appropriate department chair.
3. Academic Counselors in the Transfer and Advisement Center serve as the initial point of contact for new transfer and dual enrolled students. The Transfer and Advisement Center Academic Counselors serve as advisors for students who are undeclared, readmitted, and are experiencing academic difficulty.

To facilitate effective advisement and degree completion, students are required to take the following steps:

1. Students are required to check their FSU email on a regular basis to receive notifications about upcoming events and deadlines and information from academic advisors.
2. Students must communicate with the officially assigned advisor at least one time each semester to review the student's progress toward degree completion. Students are responsible for initiating this communication in person or by phone or FSU email.
3. Students whose GPA fall below 2.0 are required to meet with their advisor to complete an Academic Success Plan and take all actions agreed upon with advisors.
4. Students must use the "Curriculum Planning Guide and Degree Audit Worksheet" (see catalog) to develop a plan for degree completion according to the following guidelines.
5. **No later than the first semester of the junior year (60 – 75 earned hours)**, a student must submit a plan for degree completion to his or her advisor.
  - i. Based on the completion of a degree completion plan approved by the advisor, students will be designated as a "Prospective Graduate" ("PG") with the number "4", "3", "2", "1" to indicate the number of semesters remaining until graduation. A student designated as "PG – 3," for example, has an approved degree plan showing that he or she is in third semester before graduation.
  - ii. The degree plan remains valid only if the student communicates at least one time each semester with the advisor to review the student's progress.
6. **Students are eligible to apply for graduation** once they achieve PG-2 status. The Curriculum Planning Guide and Degree Audit Worksheet, **signed by the Advisor**, must be attached to the Application for Graduation.
7. Students must remain aware of and make decisions consistent with university policies, deadlines, and degree requirements as stated in the catalog, the FSU website, and other official documents.
8. Students must recognize that failure to follow the steps outlined above will delay their graduation

**To facilitate their advisees' degree completion, Academic Advisors must take the following steps.**

1. Advisors will be available during published office hours and at other times by appointment to assist advisees in completing the student responsibilities outlined above.
2. Advisors will provide accurate information in a timely manner. Advisors will usually respond to student inquiries within two business days. When advisors are not available (i.e., summer or other extended leave), they will arrange for back up.
3. Advisors will help students understand their responsibilities, as outlined above, in the advisement process.
4. Advisors will direct students to appropriate university resources for assistance as needed. For students whose GPA falls below 2.0, Advisors will work with the student to develop an Academic Success Plan and monitor student's implementation of the plan.
5. Advisors will approve student Curriculum Planning Guide and Degree Audit Worksheets based on degree requirements and university policies.
6. Advisors will respect advisees as individuals with different backgrounds and educational/life goals.
7. Advisors will respect the confidentiality of information shared by advisees and protect the privacy of students as defined by the Family Educational Rights and Privacy Act (FERPA)
8. Advisors are responsible for maintaining accurate records of meetings with advisees.
9. Advisors must recognize that failure to complete the responsibilities outlined here will likely delay a student's graduation.

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### Registration

Students are responsible for registering for classes according to procedures and deadlines established by the University. The classes in which a student is registered at the close of the official registration period constitute the student's official schedule and course load. Tuition and fees are based on the student's total hours of enrollment at the close of the official registration period.

Attending a class does not constitute official enrollment in that class. Students will not receive credit or a grade for any class in which they are not officially enrolled. Therefore, students must ensure that they are officially registered for the classes they attend.

Failure to attend class does not constitute official withdrawal from that class. Students are responsible for initiating the class withdrawal process if they wish to discontinue enrollment in a class.

### Dropping and Adding Classes

Students may adjust their schedule of classes through the last day of late registration. (See Academic Calendar for specific dates.) After this date, students will be permitted to adjust their schedules only for unusual and documented circumstances beyond the student's control. Students are cautioned that adjustments of their official schedule may affect tuition, fees, and financial aid eligibility, and may require additional payment and/or reimbursement of financial aid awards.

### Credits

The following terms apply to a student's enrollment and academic record:

1. **Credit hour** – A unit of measure attached to each course based on the total hours of instruction. The minimum credit hours required for any baccalaureate degree at Fayetteville State University is 120.
2. **Attempted hours** – The credit hours in which a student is enrolled for a semester at Fayetteville State University.
3. **Earned hours** – The credit hours for each course in which a student earns a final grade of D or better.
4. **GPA hours** - The credit hours used in the calculation of a student's GPA.

### Course Load

The maximum credit hours in which a student may enroll in a semester or summer session is governed by the following guidelines.

#### Fall or Spring Semester

<b>12 hours per semester:</b>	Minimum course load required for full-time status
<b>14 hours per semester:</b>	Maximum course load for student on academic probation
<b>15 hours per semester:</b>	Minimum average course load required each semester to graduate in four years
<b>18 hours per semester:</b>	Maximum course load for student in good academic standing*
<b>21 hours per semester:</b>	Maximum course load for student with cumulative GPA of 3.0 or higher:

#### Eight Week Terms: Main Campus and Distance Education

<b>6 hours per term:</b>	Minimum course load required for full-time status
<b>9 hours per term:</b>	Maximum Load for each eight-week term*

\* Students with a minimum GPA of 2.0 may enroll concurrently in semester-long and eight-week classes for a maximum of 21 credit hours.

#### Summer School



<b>7 hours per session:</b>	Maximum course load for student in good academic standing
<b>9 hours per session:</b>	Maximum course load for student with minimum cumulative GPA of 3.0

Students may exceed these course load limits only with written approval of the advisor, department chair, dean, and provost and vice chancellor for academic affairs using the Course Overload Form. Such approvals will normally be given only in cases when the overload will enable the student to complete degree requirements in the semester/term for which the overload is requested.

### **Class Withdrawals**

Students may withdraw from individual classes until the deadline each semester, term, or session. (See Academic Calendar for specific dates.) Students who complete the class withdrawal process will receive a grade of W. Tuition and fees are not adjusted for withdrawing from individual classes. Students are required to earn at least 67% of their attempted hours each semester to maintain financial aid eligibility so that students who withdraw from more than 33% of their attempted hours in a semester will lose financial aid. Failure to attend class does not constitute official withdrawal from that class.

Beginning in fall 2009, students are permitted to withdraw from a maximum of five classes throughout their undergraduate career. After a student has exceeded this limit, the student must earn a final grade of A,B,C,D,F, or FN.

### **University Withdrawal**

Students wishing to withdraw from all of their classes for a semester/term must withdraw from the university according to the official university withdrawal process. Cessation of attendance does not constitute official withdrawal from the university. The student must initiate the university withdrawal process at the Center for Personal Development, located in the Spaulding Health Services Building. Students must be cleared by the Financial Aid Office and Business Office and the withdrawal must be approved by the student's dean. The official date of withdrawal is the date that the completed university withdrawal form is submitted to the Registrar's Office. Depending on the official date of withdrawal a student may receive partial refund of tuition and fees. (See "Expenses" for more information on the university withdrawal process and refunds.)

Students who officially withdraw from the university will receive a WU grade in all of their classes. (See "Grades" below.) Students who receive WU grades may re-enroll in the next regular semester or summer term without making application for readmission.

### **Class Cancellations**

During any semester or summer session, the university reserves the right to cancel classes. Students will be notified by email of class cancellations. If classes are canceled after the close of the official drop-add period, provisions will be made to allow students to adjust their schedules. Students must have the approval of the instructor of the classes in which they intend to enroll.

### **Auditing of Courses**

Students who wish to audit a course must complete the Course Audit Form and submit it to the Office of the Registrar for enrollment in the course(s). The student must submit a copy of the Course Audit form to Student Accounts for proper billing. Audited courses carry no credit and a grade of AU is given. Students registered for audit will not be permitted to change to credit after the first week of classes. Conversely, students registered for credit will not be permitted to change to audit after the first week of classes.

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### Independent Study

Students may be permitted to complete a class by Independent Study only if they are in their senior year of study and the class is needed to complete graduation requirements. A Request for Independent Study form must be initiated by the faculty member who will teach the class and approved by the chair of the department and the dean of the school/college in which the class is offered. . The department chair will ensure that the content and requirements of the class completed by independent study are equivalent to those in the class as regularly offered. A student may not complete a class by independent study in a semester when the class is being offered regularly.

### Grades

#### Interim Grades

Interim grades serve as warnings to students that they are at risk of failing a course due to non-attendance if they do not take immediate corrective action. The interim grading period begins on the first day after the close of registration and continues until one week prior to the deadline for withdrawing from classes. Faculty members assign the interim grades of X and EA as soon as warranted by the student's attendance.

Students are responsible for monitoring interim grades and taking actions in response to them. Interim grades are not permanent and have no effect on a student's earned hours and grade point average.

Grade	Meaning – Effect
X	No-Show - Student does not attend class during the first week of semester/term. Student must either begin attending class or withdraw from it. Students who fail to take actions in response to interim grade of X will receive a final grade of F. In online classes, an X grade is assigned to enrolled students who do not interact with the course website for the first week of the semester/term.
EA	Excessive Absences - Student's class absences exceed 10% of their total contact hours. Student must resume class attendance or withdraw from it. Students who do not withdraw will receive a final grade based on evaluation criteria of the class.

#### Midterm Grades

Midterm grades provide an assessment of student progress in courses during the first half of the semester. Students earning a midterm grade of D or F in a class must take corrective action to improve their academic status. All faculty teaching undergraduate courses are required to post midterm grades for all students. All students are required to review their midterm grades using their on-line accounts.

**Final Grades**

Final grades are calculated on a four-point system and affect a student’s grade point average as indicated below. Faculty members will delineate in each class syllabus the methods and evaluative criteria for determining final grades in the class. All students are required to review their final grades using their on-line accounts.

Grade	Credit Hours	Quality Points	Meaning
A	Hours attempted and earned	4 per credit hour;	Exceptionally high
B	Hours attempted and earned	3 per credit hour	Good
C	Hours attempted and earned	2 per credit hour	Satisfactory
D	Hours attempted and earned	1 per credit hour	Marginally passing
F	Hours attempted – Not earned	0 per credit hour	Failing
FN	Hours attempted – Not earned	0 per credit hour	Failing due to non-attendance. (Student registered, but <u>never</u> attended.)
W	Hours attempted – Not earned	No impact on GPA. Students are permitted a maximum of five class withdrawals during their academic career. Beyond this limit, students must earn a final grade of A,B,C,D,F, or FN.	Class withdrawal prior to deadline (see Academic Calendar)
P	Hours attempted and earned	No impact on GPA	Satisfactory - Assigned only in classes specified as Pass/Fail
WU	Hours attempted – Not earned	No impact on GPA	Withdrawal from all classes for semester or term
AU	Hours attempted – Not earned	No impact on GPA	Auditing

**Grade Point Average (GPA)**

At the end of each semester and summer session a grade point average is calculated for each student for the current term and for the student’s entire career. The current GPA is based exclusively on the courses in which the student is enrolled for that specific term, while the cumulative GPA is based on all courses the student has completed at Fayetteville State University. The GPA is based on the following formula:

$$\text{GPA} = \frac{\text{Total Quality Points}}{\text{Total Quality Hours}}$$

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“Total Quality Points” are computed by multiplying the quality point value of each grade by the number of credits of each course, and then adding the quality points earned for each course. “Total Quality Hours” refer to the credit hour for courses in which a student earned a final letter grade of A, B, C, D, or F. Withdrawals from the university and incompletes do not affect a student’s quality hours.

The following example demonstrates the calculation of the GPA.

<u>Course</u>	<u>Grade</u>	<u>Credit Hours</u>	<u>GPA Hours</u>	<u>Quality Points</u>
ENGL 110	B (3)	3	3	3 X 3 = 9
UNIV 101	C (2)	1	1	1 X 2 = 2
MATH 131	A (4)	3	3	3 X 4 = 12
HEED 112	B (3)	2	2	2 X 3 = 6
NSCI 110	B (3)	4	4	4 X 3 = 12
PHIL 110	W	3	<u>0</u>	<u>NA</u>
Totals			<b>13</b>	<b>41</b>

$$\text{GPA} = \frac{41}{13} = 3.15$$

A student’s career or cumulative GPA is calculated by dividing the total number of quality points earned each semester by the total number of quality hours earned in all the semesters of the student’s enrollment.

### Course Repeat Policy

Students may repeat up to five courses, once each, without penalty. "Without Penalty" means that only the higher grade will be calculated into the student's Grade Point Average. All original entries and grades will appear on the student’s permanent record, with the designation that lower grade has been excluded from the Grade Point Average. Students who seek to utilize the course repeat policy must complete a "Course Repeat" form. If a student earns a passing grade twice for the same course, only one set of course credit hours will be counted toward graduation.

If a student repeats a course for the second time or exceeds the limit of five courses, only the original grade will be excluded from the student’s Grade Point Average. To repeat a course for the second time, the permission of the department chair is required.

Repeated courses are not excluded from a student’s total attempted hours. The tuition surcharge will apply for all hours attempted beyond 140 credit hours.

### Incomplete Grades

The grade of "I" is assigned when a student has maintained a passing average but for reasons beyond his or her control, is unable to complete some specific course requirement(s) such as a report, field experience, experiment, or examination. An "I" grade must be removed before the expiration of the first nine weeks of the student's next regular semester (fall or spring) of enrollment, or within twelve months of the last day of the semester or term in which the "I" was assigned, whichever comes first. If the "I" grade is not removed within the stipulated time limit, the grade will be converted to a grade of "F." Students are responsible for initiating the actions necessary to remove "I" grades.

“I” grades earned in eight-week terms (Weekend and Evening College, Fort Bragg Center, Seymour Johnson AFB or other distance learning sites) must be removed before the end of the next term in which the student is enrolled, or within twelve months of the last day of the term in which the "I" was assigned, whichever comes first. Students are responsible for initiating the actions necessary to remove "I" grades.

An extension to the time limit for removing an Incomplete grade will be granted only once, and only under extremely unusual circumstances. A request for such an extension must be made in writing, with appropriate documentation, to the instructor of the course, and must be approved by the instructor, his or her department chair, and dean, and submitted to the Office of the Registrar prior to the deadline for removing the Incomplete grade. The department must submit the "I" Grade Extension Request Form to the Office of the Registrar for processing.

Deferred final examination. Students not present at an officially-scheduled final exam must contact the instructor of the course before the end of the final exam week to request a deferred final examination. Students who need to defer an examination must furnish valid support for the request. If the deferred examination is granted, a grade of "I" will be assigned. If the instructor is unavailable, the student should seek assistance from the instructor's department chair or dean in contacting the faculty member before the end of the final exam week.

### **Extension Grade Policy**

An Extension Grade may be assigned in lieu of a final grade of D or F for undergraduate students taking any course in which the university provides a structured program of academic support. The Extension Grade may only be used the first time a student takes the course at Fayetteville State University.

The Extension Grade will be designated as "EX D" or as "EX F" and is not calculated into the student's Grade Point Average but will remain on the student's transcript. Any student requesting an Extension Grade must sign an Extension Grade Contract not later than the end of the fifth week of the semester, or not later than the end of the first week of each summer term. The Extension Grade Contract will specify the course and section, the nature and duration of the academic support, and the individual or office that will verify completion of the academic support. An Extension Grade Contract must require at least 10 hours of academic support.

To be eligible for the Extension Grade, a student must complete all requirements for the course and all requirements of academic support services. The instructor will certify completion of the course requirements, and a representative of the appropriate academic support unit will verify completion of academic support requirements. When a student receives an Extension Grade, the student must re-enroll for the course in the next semester that the student matriculates at the university. If the student does not re-enroll in the course, the Extension Grade will revert to the original grade of D or F, and will be calculated into the student's Grade Point Average.

### **Grade Appeals**

If a student thinks that a final grade is inaccurate, he or she should first consult with the faculty member who awarded the grade. The university expects the majority of grade appeals to be resolved by the student and instructor. If the instructor agrees to change the student's grade, the instructor must submit a grade change form for approval by the Department Chair, Dean, and Provost and Vice Chancellor for Academic Affairs. If the faculty member does not agree to change the student's grade, however, the student may initiate a formal grade appeal.

The formal grade appeal must include documentation that one or more of the following occurred: 1) the instructor made an error in calculating the final grade; 2) the final grade was based on criteria and/or standards at variance with the course syllabus; and/or 3) the final grade was based on factors other than student achievement/performance. Students must recognize that they bear the burden of proof in the grade appeal process and that it is very unlikely that an appeal will be successful without appropriate documentation.

The student must submit the written appeal to the instructor's department chair and dean, and finally the Provost and Vice Chancellor for Academic Affairs. The grade appeal will be considered at each administrative level only after it has been reviewed by the instructor and at each previous administrative level.

The department chair and dean will respond to the grade appeal either by upholding the original grade or working with the faculty member (and, in the case of the dean, with the chair) to propose a means of re-evaluating the student's final grade. The chair and dean do not have the authority to change a student's grade.

If the student's concerns are not resolved by the department chair and dean, the student may submit the written appeal to the Provost and Vice Chancellor for Academic Appeals, who will forward the appeal to the Academic Credits Committee, which is comprised exclusively of faculty members. The Academic Credits Committee will recommend that the original grade be upheld or will recommend a new grade. If the committee upholds the original grade, the student will be informed in writing of the decision of the committee. If the committee recommends a new grade and the recommendation is approved by the Provost and Vice Chancellor for Academic Affairs, the committee's recommendation will be forwarded to the Registrar, with a copy to the faculty member, for notation on the student's record. A complete record of the grade appeal process will be placed in the student's permanent file.

The decision of the Provost and Vice Chancellor for Academic Affairs regarding a grade appeal is final and may not be appealed further.

### **Timeline for Formal Grade Appeal Process**

Students must initiate the formal grade appeal process no later than the last day of the next fall or spring semester after the contested grade was received. Grade appeals submitted after this deadline will not be considered.

Faculty members, department chairs, and deans must reply in writing to formal grade appeals within 15 business days of receipt of the appeal. Failure to reply by this deadline is equivalent to a rejection of the appeal.

Students wishing to appeal the rejection of a grade appeal to the next administrative level must do so within 15 business days of notification of the rejection of the appeal or the expiration of the 15-day period. Failure to appeal within the 15-day period is equivalent to dropping the appeal.

The Academic Credits Committee will make a recommendation to the Provost and Vice Chancellor within twenty business days of receiving the request from the Provost and Vice Chancellor for Academic Affairs to consider the appeal.

Graduating seniors who initiate a formal grade appeal in the same semester that they plan to graduate should be aware that the grade appeal will very likely NOT be resolved in time for graduation clearance.

### **Class Attendance**

Students are expected to attend all class meetings, laboratories, and other instructional sessions for all courses in which they are enrolled. Students are also expected to arrive to class on time and remain in class for the entire scheduled period. When students must miss class(es) for unavoidable reasons, i.e., illness, family emergencies, or participation in official university sponsored activities – they are responsible for informing faculty of the reasons for the absences, in advance if possible, and completing all missed assignments. Faculty members will indicate in their syllabi the conditions for making up missed assignments.

During the first half of the semester/term, faculty will assign an interim grade of “EA,” Excessive Absences, for students whose class absences exceed 10% of the total contact hours for the class. Students who receive EA interim grades must either withdraw from the class or resume attendance. Students who resume attendance must consult with the instructor about completion of missed assignments. The EA is not a final grade, so students who are assigned an interim grade of EA, but do not withdraw from the class, will receive a final grade based on the evaluation criteria for the class.

### **Course Substitutions and Waivers**

Under exceptional circumstances a substitution for or exemption from prescribed courses in a curriculum will be permitted. The request for a course substitution or course waiver must be prepared and initiated by the student’s advisor for approval by the chair of the department, the dean of the college or school in which the student is earning a degree, and the Provost and Vice Chancellor for Academic Affairs. The request must provide academically defensible arguments justifying the substitution or waiver.

Credit hours are not awarded when a course is waived. Hence, when a course waiver is approved, the student will usually need to complete additional electives to ensure completion of credit hours.

### **Scholastic Standards**

Students must earn a minimum cumulative GPA of 2.0 to maintain good academic standing. The following actions will occur when a student’s cumulative GPA falls below 2.0. Meeting these standards does not guarantee financial aid eligibility. See "[Financial Aid](#)" for requirements for "[Satisfactory Academic Progress](#)".

Based on final grades each semester, the university will evaluate students for satisfactory academic progress. The student’s academic status will be noted on the student’s transcript. Students are responsible for remaining aware of their academic status.

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Status	GPA	Consequences
Good Standing	2.0 or higher	Student eligible for continued enrollment and financial aid.
Probation	Cumulative GPA below 2.0 for one semester.	Students eligible for continued enrollment and financial aid for one more semester to achieve good standing. Students on probation will not be permitted to register without meeting with their officially assigned advisor and preparing an Academic Success Plan. Student's enrollment is limited to 14 hours. (Students on probation will sometimes be advised to delay subsequent enrollment to resolve the problems causing poor performance.)
Suspension	Cumulative GPA below 2.0 for second consecutive semester	Students ineligible for continued enrollment and ineligible for financial aid unless suspension is successfully appealed or student participates in Academic Fresh Start. Students who successfully appeal suspension will be placed on suspension/ reinstatement and required to participate in the Student Success Program. Students who appeal suspension, but then are suspended more than twice will not be permitted to re-enroll unless they improve status in summer school or participate in Academic Fresh Start. A Student Success Counselor will be assigned to suspended students. The counselor will assist students in taking steps to achieve eligibility for re-enrollment.

**Academic Suspension** - If a student's GPA is below 2.0 for two consecutive semesters, the student will be placed on academic suspension and will not be permitted to re-enroll without successfully appealing academic suspension or attending summer school to improve the GPA. (See "Academic Regulations" in catalog for appeal procedures.)

A student who is placed on suspension two times will not be permitted to re-enroll except through the provisions of the Academic Fresh Start program. (See "Academic Regulations" for guidelines.)

**Academic Probation** – Students who fail to maintain a cumulative GPA of at least 2.0 will be placed on Academic Probation and will be permitted to enroll in a maximum of 14 credits for the subsequent semester. Students on probation will be required to discuss with their respective advisors strategies for improving their academic status.

### Appeal Procedure

Students may appeal academic suspension by submitting a written statement to:  
Chair of Academic Appeals Committee  
c/o Transfer and Advisement Center  
Fayetteville State University  
Fayetteville, NC 28301-4298

Letters of appeal must be submitted by July 15 for the fall semester and November 1 for the spring semester, and must address each of the following:

1. The special or unusual circumstances, with documentation, that contributed to the student's academic suspension;



2. Actions the student has taken to change the circumstances so that they will not contribute again to poor academic performance;
3. Specific steps the students will take to improve his or her academic status in the upcoming semester;
4. An address and phone number at which the student may be notified of the committee's decision.

Appeals will be granted only under extraordinary circumstances that are appropriately documented. Student appeals submitted after the deadline will not be considered.

Students suspended more than two times will be permitted to re-enroll only under the provisions of the Academic Fresh Start Policy.

### **Academic Fresh Start**

Students previously suspended from the university who a) have not been enrolled for at least four semesters OR who have earned an Associate's Degree subsequent to their suspension from FSU and 2) whose records show potential for degree completion may be readmitted under the Academic Fresh Start Program. For students readmitted under this program, the following provisions will apply:

1. All courses completed prior to the semester of re-admission will be excluded from the GPA calculation.
2. All previous courses in which the student earned a final grade of C or higher will be used to fulfill degree requirements.
3. Students will be required to repeat any required courses in which they previously earned a final grade of D.
4. All course work will remain on the transcript with the following notation: "Academic Fresh Start."
5. If a student earns credits at another institution during the period of non-enrollment at FSU, the student may be awarded transfer credits based on evaluation of appropriate department chair.
6. Academic fresh start does not eliminate attempted hours from a student's record, and, hence, hours covered by academic fresh start will be used in determining possible tuition surcharges and financial aid eligibility.
7. **A student will be granted academic fresh start only one time.**
8. Students readmitted under the Academic Fresh Start program will be required to enroll in a student success course that will help them achieve success while re-enrolled.
9. Students suspended twice from the university can only return under Academic Fresh Start.

Requests for Academic Fresh Start must be submitted in writing no later than the end of the first year of re-enrollment. The letter should be addressed to:

Chair, Appeals Committee  
c/o Transfer and Advisement Center  
Fayetteville State University  
Fayetteville, NC 28301-4298

The request must (1) specify the period of initial enrollment at Fayetteville State University, (2) the period of non-enrollment, (3) the conditions that led to the academic difficulty during the initial period of enrollment at Fayetteville State University, (4) and the actions the student has taken to improve these conditions and circumstances.

### **Veterans Affairs**

Entitled veterans, participants in the Montgomery G. I. Bill contributory program, active duty military, drilling National Guard, drilling Reservists, and eligible spouses and offspring who have applied, met all admissions criteria, and are actively matriculating may be certified to the United States Department of Veterans Affairs Regional Office as enrolled and in pursuit of an approved program of education.

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All veterans and dependents wishing to receive VA Educational Benefits through Fayetteville State University must bring to the Veteran's Affairs Office on the 3<sup>rd</sup> floor of the Lilly Gym a copy of the DD Form 214 or Certificate of Eligibility and/or any other document(s) that entitles receipt of benefits. Students applying for these benefits are required to provide copies of transcripts to include a high school transcript, a copy of the acceptance letter to the university, and proof of a declaration of major before certification can be made to the Veterans Administration for payment. Any change in the veteran's or dependent's course of study should be cleared with the veteran's advisor to ensure continuation of benefits. The office of the Registrar must have file copies of all transcripts, transfer evaluation forms, and other necessary documents.

### **The Family Educational Rights and Privacy Act of 1974 (The Buckley Amendment)**

The Family Educational Rights and Privacy Act of 1974 (FERPA), also known as the Buckley Amendment, guarantees certain rights to students and qualified parents regarding a student's education records. Fayetteville State University adheres to those statutory rights and has implemented this policy in order to comply. Specifically, students are afforded the following rights with respect to their educational records:

1. The right to inspect and review the student's educational records;
2. The right to consent to disclosure of the student's education records to third parties, except to the extent that FERPA authorizes disclosure without consent;
3. The right to request amendment of the student's education records to ensure that they are not inaccurate or misleading;
4. The right to be notified annually of the student's privacy rights under FERPA and;
5. The right to file a complaint with the U.S. Department of Education concerning alleged failures by FSU to comply with the requirements of FERPA.

FSU will not release personally identifiable student information in education records or allow access to those records without prior consent of the students, except as provided by FERPA. Such consent must be written, signed and dated, and must specify the records to be disclosed, the party to whom the records are to be disclosed, and the purpose of the disclosure.

### **Release of Directory Information**

Unless a student requests in writing to the contrary, FSU is permitted to release directory information without consent. FSU recognizes the following as directory information: a student's name, local and permanent address, email address, telephone number, enrollment status (undergraduate, graduate, full-time or part-time), date and place of birth, major field of study, dates of attendance, honors, degrees and awards (including scholarships) received, participation in officially recognized activities/organizations and sports, weight and height of members of athletic teams, and the most recent previous educational agency or institution attended.

Under FERPA, a student has the right to request that the disclosure of directory information be withheld as long as the student is enrolled at FSU. If a student wishes to have the student's directory information withheld, the student should submit a written request to the Office of the Registrar. Directory information may be released without permission for students no longer enrolled at FSU unless that student, at his/her last opportunity as a student, requested otherwise.

A student or parent may not use the right to opt out of directory information disclosure to prevent FSU from disclosing or from requiring a student to disclose the student's name, identifier, or institutional e-mail address in a class in which the student is enrolled.

A copy of complete FERPA policies and procedures may be obtained online or at the Office of the Registrar, located on the third floor of the Lilly Building.

## **Examinations and Assessments**

### **Profile Examinations**

Profile Examinations assess entering students' basic academic skills. The results of these examinations are used in conjunction with students' academic records to ensure effective advisement. Entering students should contact University Testing Services for information about dates, times, and locations for the administration of profile examinations. Profile Examinations are required of new students according to the following guidelines:

**First-time freshmen**, including students admitted as Special Visiting pending acceptance as degree-seeking students, must complete profile examinations before enrolling in classes.

**Transfer students** will not be required to complete profile examinations if they are transferring in 30 or more credit hours, including at least six credit hours of university-level English and at least six credit hours of university-level mathematics. Any transfer students not meeting all of these conditions must complete profile examinations. Transfer students who are unsure if they meet one or more of these requirements are advised to complete profile examinations to avoid possible delays in advisement and registration.

**Special/Visiting students** who do not plan to earn a degree at FSU (i.e. who are seeking teachers certification or life enhancement, or who have permission from another institution to enroll at FSU) are not required to complete profile exams UNLESS they plan to enroll in a mathematics or English course for which they have not completed the appropriate prerequisite.

### **Rising Junior Examination**

Fayetteville State University administers the rising junior examination as part of its system of educational accountability. The examination assesses student proficiency in English, mathematics, science, and social studies, and three cross disciplinary cognitive reasoning competencies upon the completion of the University College Core Curriculum. All students who enter the university with fewer than 60 credit hours are required to complete the rising junior examination before being unconditionally admitted to the upper division.

PRAXIS I fulfills the rising junior examination requirement for students majoring in teacher education programs (See School of Education.) The rising junior examination is administered each year. Currently, there is no fee to take the exam. Eligible students will receive notification of the requirement to take the examination at the completion of a minimum of 42 semester hours of course work.

### **Mid-term and Final Examinations**

At the mid-term and at the close of each semester, course examinations are administered. Since a measure of students' progress in a course is indicated by their performance on these examinations, they are required of all students except the following: (1) Students who are auditing courses or (2) Students who have maintained a 4.0 average in a course and, at the discretion of the instructor, are excused from the final examination provided that they have been evaluated substantially during the semester.

Since final examination periods are considered part of the instructional time for each class, final examinations are required in all classes. Students not present at an officially-scheduled final examination must contact the instructor of the course before the end of the final exam week to request a deferred final examination. Students who need to defer an examination must furnish valid support for the request. If the deferred examination is granted, a grade of "I" will be assigned. If the instructor is unavailable, the student should seek assistance from the instructor's department chair or dean in contacting the faculty member before the end of the final exam week.

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### **Other Institutional Assessments**

As part of Fayetteville State University's comprehensive efforts to assess its programs and services, students may be required to complete other examinations and/or surveys. The purpose of these surveys is to guide improvement of the university. Results of examinations and survey responses are confidential.

### **Credit by Examination**

Fayetteville State University recognizes four types of examination programs for which students may receive credit toward baccalaureate degree requirements, provided that all departmental major or minor requirements have been satisfied. These examination programs include the awarding of credit for successfully passing approved examinations, subject to the following conditions:

1. Credit will not be awarded when equivalent degree credit has been granted for regular course work.
2. Credit will not be awarded for any course in which a student has previously earned a failing grade.
3. Duplicate credit will not be awarded for overlapping tests, i.e., CLEP and AP.
4. The total number of credits by examinations that a student may earn, whether the exams are internally or externally developed, is thirty (30).
5. Students may not attempt credit by examinations after earning (90) semester hours of study at the university.
6. Credit by examination may not be attempted if the student has acceptable college credit for more advanced courses, or for courses whose content includes material similar to a course for which college credit has already been received.

### **Advanced Placement Program (AP)**

Many high schools offer advanced classes to superior students in conjunction with the Advanced Placement Program of the College Entrance Examination Board. The university awards college credits in most areas for scores of 3 (good), 4 (high honors), or 5 (high honors). To be eligible for credit, students must request the College Board to send an official score report to the Office of Admissions for review.

### **College Level Exam Program (CLEP)**

The following College Level Exam Program tests may be substituted for college credit, subject to the achievement of specified scores and the fulfillment of conditions stated in the policy on credit by examination outlined above and in the policy brochure available in University Testing Services.

**CLEP General Exams** are offered in the following areas: English Composition, Humanities, Mathematics, Natural Sciences, Social Sciences, and History.

**CLEP Subject Exams** are offered in the following areas: Composition and Literature, Foreign Languages, History and Social Sciences, Business, Mathematics and Science.

### **DANTES Subject Standardized Tests**

Fayetteville State University participates in the DANTEs (Defense Activity for Non-Traditional Education Support) program. DANTEs tests, similar to CLEP tests, offer students opportunities to earn degree credits for work and life experiences. This examination program provides opportunities for students to gain college admission, earn academic credit, and obtain professional certification, as well as to identify their interests and aptitudes for purposes of educational counseling. DANTEs tests are administered through the University Testing Services by appointment only.

## **Challenge Examinations**

The university recognizes that exceptional students, by means of special studies or experiences, may already have achieved the objectives of certain courses in the core curriculum; therefore, students may petition to receive credit in selected courses by special departmentally approved examinations referred to as challenge examinations. Credit will be awarded to those who pass the challenge examination. Students may attempt a challenge examination only once per course. Students may not apply for challenge examination credits for courses they have audited, or for lower level courses when credit for higher numbered or subsequent courses in the same field has been received. Permission for challenge examination will be given only when there is evidence the student has gained a fundamental knowledge of the subject through prior preparation or experience. Candidates for the baccalaureate degree may earn no more than nine credit hours by challenge examinations.

## **Procedures for Requesting Credit by Examination**

Students interested in pursuing credit by examination should complete the request form and obtain approval from their respective 1) advisor, 2) department chair or the Director of University College (for students without a declared major), and the Registrar. After receiving all approvals the student's request will be forwarded to University Testing Services, which will administer the exam.

For detailed information about these programs, call or visit University Testing Services, 134 Collins Administration Building, Fayetteville, NC 28301, (910) 672-1301.

## **Senior Enrollment for Graduate Level Courses**

An undergraduate student will be permitted to enroll in 500-level classes if he/she meets the following stipulations:

1. has a senior classification;
2. has a G.P.A. of 3.0 or higher;
3. obtains approval from his/her advisor and department chair;
4. consults the instructor of the course(s) in which the student seeks to enroll to ensure its appropriateness; and
5. enrolls in a maximum of fifteen credits per semester (of which no more than six may be graduate credits) or a maximum of six hours in a summer session (of which no more than three may be graduate credits.)

Students are not permitted to pursue an undergraduate and graduate degree at the same time. Graduate credits earned by undergraduate students may subsequently be counted toward a graduate degree only if the credits were not used to fulfill undergraduate requirements.

## **Study at Another Institution**

Students in residence at the university who wish to earn credits at another institution must obtain pre-approval for the courses to be completed. In the absence of such pre-approval, credits earned at other institutions may not be used to fulfill FSU degree requirements. To obtain approval for study at another institution, students should consult their department chair.

Credit will be awarded only for courses in which students earn a grade of C (2.0) or higher. Since grades earned at other institutions do not affect the FSU GPA, students seeking to improve their GPAs should not pursue study at other institutions.

## **Academic Honors**

The university recognizes student academic excellence through the Chancellor's List, the Deans' List, Who's Who Among Students in American Universities and Colleges, and invitation to membership in a number of

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honor societies. The annual Honors and Awards Day Ceremony highlights excellent academic achievements by students.

### **Chancellor's List**

Students who successfully complete at least twelve (12) semester hours during one semester (or two consecutive terms for Fort Bragg students) and earn a GPA of 3.75 or higher are placed on the Chancellor's List.

### **Deans' List**

Students who successfully complete at least twelve (12) semester hours during one semester (or two consecutive terms for Fort Bragg students) and earn a GPA of 3.2 to 3.74 are placed on the Deans' List.

### **Honors and Awards Day**

Students eligible for recognition at the Honors and Awards Day ceremony must be degree seeking undergraduate students. The criteria for recognition during the Honors and Awards Day ceremony are as follows:

1. The student must be full-time for both the fall and spring semesters.
2. The student must have a GPA of 3.2 or better.
3. The student must have earned the following hours at Fayetteville State University:
  - a. Freshman - 12 or more
  - b. Sophomore - 20 or more
  - c. Junior - 40 or more
  - d. Senior - 60 or more

### **Who's Who Among Students in American Universities and Colleges**

To qualify for election to Who's Who, students must:

1. be classified as juniors or seniors.
2. have a GPA of 3.0 or higher.
3. be of good moral character.
4. participate actively in campus and community organizations.
5. have completed at least one year of study at the university.

### **Honor Societies - General**

#### **Alpha Kappa Mu Honor Society**

A chapter of Alpha Kappa Mu National Honor Society was established at Fayetteville State University in 1940 to promote scholastic excellence among the students of the institution. To qualify for election to membership in Alpha Kappa Mu students must:

1. be classified as juniors or seniors.
2. have earned a minimum of sixty (60) semester credits.
3. maintain a GPA of 3.3 or higher.
4. graduate with fifteen (15) or more credit hours earned at FSU with a GPA of 3.7 or higher.

Transfer students are not eligible for membership in the organization until they have been in residence at the university for two semesters.

**Phi Eta Sigma**

Phi Eta Sigma is a national honor society for college freshmen. Its goal is to encourage and reward academic excellence among freshmen in institutions of higher learning. The oldest and largest freshman honor society, Phi Eta Sigma was founded at the university of Illinois in 1923. The chapter at Fayetteville State University was established in 1992. To be eligible for membership in Phi Eta Sigma students must:

1. verify eligibility in the freshman year of study.
2. have a cumulative grade point average of at least 3.5 at the close of the semester in which membership is sought.
3. apply for membership.

**Tau Sigma**

Tau Sigma is an academic honor society designed specifically to recognize and promote the academic excellence and involvement of transfer students. Tau Sigma was incorporated as a non-profit in 1999 with Auburn University being the home of the first chapter. The chapter at Fayetteville State University was established in 2008. To be eligible for membership in Tau Sigma students must:

1. transfer to a four year institution of higher learning from another academic institution with at least one full years' academic credits satisfied at the prior institution(s).
2. be registered in a course of study leading to a bachelor's degree for an amount of work equal to an average full load (at least 12 hours).
3. attain superior academic achievement during their first term in the institution to which they transfer (only credit hours that count toward a bachelor's degree can be used to determine Tau Sigma eligibility). The minimum academic average required for membership is a 3.5 on a 4.0 scale.
4. apply for membership.

**Honor Societies - Discipline Specific**

Alpha Kappa Delta.....	Sociology
Alpha Kappa Sigma.....	Criminal Justice
Beta Kappa Chi.....	Natural Sciences and Mathematics
Delta Mu Delta.....	Business Administration
Kappa Delta Pi.....	Education
Omicron Delta Epsilon.....	Economics
Phi Alpha Theta.....	History
Pi Gamma Mu.....	Social Studies
Pi Omega Pi.....	Business Education
Psi Chi.....	Psychology
Sigma Delta Pi.....	Spanish
Sigma Tau Delta.....	English

**Withdrawal from the University**

Before deciding to withdraw from the university, a student should consult with his or her advisor to discuss the reasons for the withdrawal, and the students plan for continuing his or her education. A student who wishes to withdraw from all classes must first return their rental books to the bookstore, then complete the official university withdrawal process, which is initiated in the Center for Personal Development, located in Room 114

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of the W. R. Collins Building in the E. E. Smith Complex. Students who are under 18 years of age must have the approval of parent or guardian before withdrawing from the university. The withdrawal form, when presented to the cashier, will entitle a student to the appropriate refund of fees. The official date of withdrawal (for purposes of computing charges and grades) will be the initiation date if the form is returned to the Registrar's office within seven (7) days. If not, the Registrar cannot accept the form and the student will have to re-initiate the process. Students who do not comply with the stated withdrawal regulations will not receive a refund of fees. The university reserves the right to wait thirty days before making cash refunds. Students may withdraw from the university until two weeks prior to the beginning of final exams. (See Academic Calendars for specific deadlines.)

Students seeking to withdraw from the university after the published deadline must make the request, in writing, to the Provost and Vice Chancellor for Academic Affairs. This request must include documentation of the circumstances that prevented the student from meeting the published deadline. Such requests must be made no later than the end of the next regular semester after the semester for which the university withdrawal is requested.

### **Mandatory Withdrawal from the University**

The university reserves the right to request the withdrawal of a student at any time if (1) the student's conduct is judged to be undesirable; (2) the student persistently disregards the regulations of the university; (3) the student fails to maintain an acceptable standard of work; or (4) the student's mental or physical health precludes satisfactory academic progress or becomes detrimental to others.

### **Commencement**

Commencement exercises are held at the close of each regular semester of the academic year, at which time degrees are officially conferred. Candidates who complete graduation requirements after the regular commencement exercises will be awarded degrees at the next regular conferral date. Requirements are considered complete only after the appropriate documentation has been recorded in the Registrar's Office.

Candidates for degrees are required to participate in commencement exercises unless excused by their dean. Candidates who request to be excused are required to present, in writing, valid support for their request.

### **Graduation with Distinction**

Baccalaureate graduates may be awarded with the following honors:

*Summa Cum Laude*: to those having a scholastic average of 3.800 - 4.000

*Magna Cum Laude*: to those having a scholastic average of 3.500 - 3.799

*Cum Laude*: to those having a scholastic average of 3.200 - 3.499

Graduation distinctions are awarded based on final cumulative statistics. To graduate with honors, baccalaureate students must have completed at Fayetteville State University:

*Summa Cum Laude*: 90 hours

*Magna Cum Laude*: 60 hours

*Cum Laude*: 60 hours

To be eligible for either Valedictorian or Salutatorian honors, graduates must have completed all work leading to the degree at Fayetteville State University. Prior degree credits awarded at FSU are not considered in the hours required for honors.

### **Application for Graduation**

Students should apply for graduation once they have earned at least 90 credit hours. To apply for graduation, the student must make payment of the graduation fee to the Cashier's Office, complete the



application for graduation with all signatures and submit to the Office of the Registrar. Upon receipt of both, application and copy of receipt of payment, the Office of the Registrar will process a degree evaluation within eight weeks.

Prospective graduates for Spring Commencement in May must apply for graduation by September 30 of the previous year. Prospective graduates for the next Winter Commencement in December must apply for graduation by June 30 of the same year. The university assumes no responsibility for making special adjustments for students who file late applications for graduation.

Candidates who do not file an application for graduation automatically void their candidacy for that particular graduation and must apply for the next graduation. Candidates who fail to meet graduation requirements by the designated dates automatically void their candidacy for that particular graduation and must re-submit their application for graduation, though no additional graduation fee will be required.

### **Requirements for Graduation**

To be eligible for graduation, a student must:

1. Be admitted as a degree-seeking student. Special Visiting students are not eligible to earn a degree.
2. Complete all courses in the University College core curriculum as specified by his or her major degree program.
3. Fulfill all of the requirements for advancement into the major degree program. (See College of Basic and Applied Sciences, the College of Humanities and Social Sciences, School of Business and Economics, School of Education, and degree program for specific requirements.)
4. Complete the on-line Declaration of Major form and submit it to the appropriate department.
5. Complete all requirements of the major degree program. Once the student earns at least 90 hours, students should apply for graduation, pay the graduation fee, and submit the application to the Office of the Registrar. This initiates the official degree audit process. This audit is provided free of charge and is designed to assist students in planning their final semesters of study.
6. Complete the last 25% of the credit hours required by the degree program curriculum in residence at Fayetteville State University. The minimum hours required to meet this requirement will range from 30 to 32, depending on the degree program. Students who do not complete the last 25% of the credit hours required by the degree program in residence must have approval from the Department Chair and Dean, and Provost and Vice Chancellor of Academic Affairs. This approval must be on file in the Registrar's Office.
7. Make application for graduation by the deadlines stated in the Academic Calendar.
8. Earn the minimum number of credit hours required by the degree program. No students may earn a degree without having earned at least 120 hours. See degree program for specific requirements.
9. Earn the required minimum cumulative Grade Point Average for the degree program. The minimum cumulative GPA for graduation is 2.0, though some programs require a higher GPA. See degree program for specific requirements.
10. Earn the minimum required Grade Point Average for courses in the major. Some programs require a minimum GPA of 2.00 in the major, while others require a minimum grade of "C" in all major courses. See degree program for specific requirements.
11. Check with the Office of the Registrar to ensure that any necessary course waiver or course substitution request form(s) have been approved and placed in the student's file.
12. Satisfy all financial obligations to the university to receive a diploma and/or transcripts.

Students are subject to the institutional regulations in effect when they apply for graduation. Changes in institutional regulations may change the graduation requirements specified above. Hence, students are encouraged to know the institutional regulations in effect at the time of their anticipated graduation. Requirements are considered complete only when appropriate documentation is received by the Office of the Registrar. Once a degree is conferred, the academic record is closed and therefore no changes will be made relevant to that particular program. Diplomas for graduates will be distributed immediately after each

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commencement program. Diplomas not picked up at commencement will be mailed during the week after the ceremony unless otherwise requested by the graduate prior to the day of the event.

### **An Individual Course that Fulfills Dual Requirements**

In some instances, an individual course may fulfill requirements of both the core curriculum and the major requirements, and, in cases of students pursuing a double major or a second baccalaureate degree, two different programs. Credit hours, however, are awarded only once per course. Hence, when a student uses a single course to fulfill dual requirements, he or she will usually need to complete additional electives to ensure completion of the minimum credit hours required by the degree program.

### **Requirements for a Double Major**

A student may earn a major in two different academic disciplines with the permission of the department chairs of both areas and if all requirements of both majors are fulfilled. A diploma will be issued for each major. Pursuit of a second major does not exempt the student from the tuition surcharge.

### **Requirements for a Second Baccalaureate Degree**

A student who has already earned a baccalaureate degree from Fayetteville State University may earn a second baccalaureate degree by fulfilling all the requirements of the second degree, including the current core curriculum requirements, and completing a minimum of thirty (30) credits beyond the requirements of the first degree. The tuition surcharge will apply for all hours attempted beyond 110% of the minimum additional credit hours needed to earn the additional degree.

### **Enrollment Verification Policy**

Students may request verification for current or previous enrollments using their online student information account for next day service. All written, walk-in, and mailed-in requests for verification of previous or current enrollment will be processed within five working days upon receipt in the office. During peak periods (such as registration, commencement, and grading periods for mid-terms and final examinations) the processing period is ten working days for all categories. Walk-in applicants must present proper identification. For more details, visit the Office of the Registrar website at <http://www.uncfsu.edu/registrar/verify.htm>.

### **Transcript Request Policy**

**Students may request a** transcript using their online student information account for same day service. Requests submitted by mail or in person will be processed within five (5) to ten (10) working days of receipt of the request and fee. Walk-in requests made before 10 AM may be processed by the end of the day, if time permits. For more details, visit the Office of the Registrar's website at <http://www.uncfsu.edu/registrar/transcrp.htm>. During peak periods, such as registration, commencement, and grading periods for midterm and final examinations, the processing period for all requests is five (5) to ten (10) working days.

Students who request transcripts using the online student information system will not be charged a transcript fee. Students who request transcripts using the fax or walk-in method will be charged \$5 per transcript. Transcripts are released only when the student's account is paid in full and loan payments are current. Requests for transcripts should be mailed to:

Office of the Registrar  
Fayetteville State University  
1200 Murchison Road  
Fayetteville, NC 28301-4298  
Phone: 910-672-1185

**Indebtedness to the University**

All indebtedness to the university must be satisfactorily settled before a transcript of record will be issued.

**Change of Name and Address**

Students should notify the Office of the Registrar of any change in name or mailing address. Legal documentation is required for name changes.

A student’s official name as recorded in university records during the period of attendance will appear on the diploma.

**Dishonesty in Academic Affairs**

Acts of dishonesty in any work constitute academic misconduct. Such acts include cheating, plagiarism, misrepresentation, fabrication of information, and abetting any of the above. Plagiarism in particular presents pitfalls to be avoided: failure to document any words, ideas, or other contributions that do not originate with the author constitutes plagiarism. Widespread use of the World Wide Web (Internet) requires particular attention to proper documentation practices. Individual course syllabi offer additional clarification about requirements for proper documentation. Actions outlined in the Fayetteville State University Student Handbook under Disciplinary System and Procedures will be followed for incidents of academic misconduct. The handbook may be obtained from the Office of Student Affairs located in the Collins Administration Building. Non-disclosure or misrepresentation on applications and other university records will make students liable for disciplinary action, including possible expulsion from the university.

**Eight Week Terms  
Information and Guidelines**

To facilitate the diverse scheduling needs of its students, Fayetteville State University offers classes in the evenings and on Saturdays in two eight-week terms each semester, and one during the summer. Classes taught in eight-week terms are the same in content, quality, and requirements as classes taught in the regular sixteen-week semester. Requirements that apply exclusively to eight-week classes are delineated below.

**Eight-Week Terms**

Five eight-week terms are offered in a single academic year. Terms I and II coincide with the Fall semester; Term III and IV coincide with the Spring semester; and Term V coincides with Summer School. (*See “Calendars for Eight-Week Terms” for specific dates.*)

During the Fall and Spring semesters, students may enroll in eight week term classes only, or simultaneously in eight-week and regular semester courses.

**Registration Schedule**

<b>Students who wish to enroll in</b>	<b>Registration Period*</b>
Term I classes only	August
Term I and II classes	August
Term II classes only	October
Term III classes only	January
Term III and IV classes only	January
Term IV classes only	March
Term V classes	May
*See “Calendar for Eight Week Terms” for Specific Dates	

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### **Tuition and Fees**

Requirements for payment of tuition and fees of students enrolled in the regular semester apply to students enrolled in Terms I and II or Terms III and IV, and students enrolled simultaneously in regular semester courses and eight-week term classes. For such students, tuition and fees will be assessed at the beginning of the semester and based on the student's total course load for the semester. If eligible, the student will be awarded financial aid based on his or her total hours for the semester. Students in this category will also have the opportunity to utilize the monthly payment plan.

Students enrolled in a single eight-week term must make a minimum payment at the time of registration, with the balance due by September 15 for Term I, November 15 for Term II, February 15 for Term III, and April 15 for Term IV. For Term V, tuition and fees must be paid in full at the time of registration. All payments must be made to Student Accounts, located on the second floor of the Lilly Building.

### **Course Load**

The maximum number of hours in which a student may enroll in a single eight-week term is nine. For students enrolled simultaneously in eight-week and regular semester courses, the total hours may not exceed the number permitted for the entire semester. (See "Course Load.")

### **Course Withdrawals**

The deadline for withdrawing from individual classes in a single eight-week term is the end of the fifth week of classes (See "Calendar for Eight-Week Terms") **Refunds are not given for withdrawals from individual classes.**

### **University Withdrawals**

To withdraw from the university, the student must withdraw from all the courses in which he or she is enrolled, according to the official procedure for withdrawing from the university as outlined in the catalog. (See "Official University Withdrawal Process.") Students who withdraw from the university may or may not be eligible for a full or partial refund of tuition and fees depending on the date of withdrawal. (See "Refunds of Tuition and Fees" below.)

The deadline for withdrawing from the University is two weeks prior to the last day of classes for that term.

*Note: Students may not withdraw from the university in Term II or Term IV after receiving final grades in any class in Terms I and III, respectively.*

### **Refunds of Tuition and Fees**

To be eligible for a refund of tuition and fees, a student must withdraw from **all** of the classes in which he or she is enrolled. Students who withdraw from the university **may** be eligible for a partial refund of tuition and fees, depending on the date of the completion of the official withdrawal process.

# University College

## **The Core Curriculum**

All students are part of the University College until they are admitted to a major degree program in the College of Arts and Sciences, the School of Business and Economics, or the School of Education. The University College provides assistance to students from the time they enter the university until they complete the University College Core Curriculum and fulfill all requirements for unconditional acceptance into a major degree program. The University College seeks to provide an academic environment that will enable and motivate students of varied background to achieve academic success.

## **The Goals**

The goals of the University College are to assist all students in their transition to the university; to provide effective mentoring and advisement to students; to offer strong programs of academic support in reading, writing, mathematics, critical thinking, and the natural sciences; to provide academic enrichment programs to enhance undeclared students' educational experience; and to work with other academic units to ensure that students develop the fundamental skills and knowledge necessary for success in all academic majors. The University College is comprised of the Freshman Center, the Learning Center, the Transfer & Advisement Center, and the Freshman Seminar/University Studies Program. Student Support Services works closely with the University College to provide assistance to eligible students.

## **Academic Foundation**

The University College Core Curriculum provides the academic foundation for all the undergraduate degree programs at Fayetteville State University. The core curriculum enables students to develop the skills and general knowledge that are essential to success in their respective major programs and careers after graduation. In addition to providing the skills and knowledge that are essential to academic success, the University College Core Curriculum is designed to promote positive human values and encourage a love for learning in all students.

## **Requirements**

All students are required to achieve learning outcomes in Communication Skills, Reasoning Skills, and Inquiry Skills; Global Literary and Scientific Literacy; and Ethics and Civic Engagement. They begin by completing courses in writing, mathematics, critical thinking, and speech. These courses are designed to help students develop the communication, quantitative, reading, and reasoning skills that are necessary for success in any major degree program. Courses in the natural sciences, the performing and fine arts, and the social sciences introduce students to the methods of inquiry and content knowledge of these various disciplines. In these areas, students select from a variety of courses as required by their respective majors. Students are also required to complete physical and/or health education. Since most major degree programs specify courses to be taken as part of the University College Core Curriculum, students must review the curriculum of their intended majors, and consult with assigned advisors/mentors, in selecting core curriculum classes. All students should complete the requirements of the University College core curriculum before advancing to junior level standing.

## **Academic Support Resources**

### **Student Support Services**

The Student Support Services Program is funded by the U.S. Department of Education for the purpose of providing academic support services to students who meet the federal eligibility criteria. These support services are offered to students on a yearly basis to enhance their academic skills and improve their retention and graduation rates. Academic support activities include peer tutoring and collaborative learning strategies. Enrolled

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participants are provided the following: tutorial services in math, science, critical thinking and English; counseling services, including personal, financial, career, and graduate school advice; academic support instruction including study skills/habits, test-taking skills, and computer workshops; and educational and cultural activities.

### **Transfer and Advisement Center**

The University College Transfer and Advisement Center provides assistance to students as they make the transition to the university. The center is staffed by the Freshman Counselor and Freshman Seminar instructors who assist students in resolving the variety of problems they face either as freshmen or as first semester transfer students. The staff provides information about academic advisement, university policies and procedures, career planning, academic support resources, and other similar matters. The Freshman Counselor works closely with the faculty of Freshman Seminar and University Studies. University Studies instructors provide viable information to first semester transfer students as well.

### **Freshman Seminar/University Studies Courses**

Freshman Seminar I and II is a two-semester orientation to the university that is required of all first-time freshmen. These courses are designed to introduce students to the university experience in general, and the history, policies, procedures, and resources of Fayetteville State University. Students participate in orientation sessions in the Counseling Center, the Chesnutt Library, the Office of Career Services and Placement, and the Business Office and Office of Financial Aid. The courses are intended, further, to help students develop an academic plan that will enable them to graduate in four years, and acquire the time management skills, study habits, and other skills that are necessary for success at the university.

University Studies is a one-semester orientation to the university designed specifically for transfer students who enter FSU with fewer than 30 transfer credits (freshman status). The course content is comparable to that of Freshman Seminar I and II.

Freshman Seminar/University Studies instructors serve as Mentors for all students enrolled in their respective classes. Mentors seek to help students resolve the variety of problems they may face in making the transition to the university. Mentors assist students with academic advisement and career planning during the freshman year, and direct students to other resources for assistance, as needed.

Transfer students who enter FSU with 30 or more transfer credits are not required to complete University Studies.

### **University College Learning Center**

The University College Learning Center houses several academic support programs to provide computer-based instruction and peer tutoring in a variety of subjects.

The Mathematics Center provides computer assisted instruction and peer tutoring for students who wish to strengthen their mathematics skills. Students who sign Extension Grade contracts in MATH 121, Introduction to College Algebra, or MATH 123, College Algebra, may be required to complete weekly assignments in the Mathematics Center. Students in other courses may also seek assistance from the Mathematics Center.

Open to all students, the Reading Center provides computer assisted instruction and one-on-one tutoring designed to enhance reading and critical thinking skills. Student enrolled in Freshman Seminar/University Studies may be required to complete assignments in the Center.

The Writing Center provides a confidential, nonjudgmental environment where student writers can work with other writers through peer tutoring and/or computer programs. Peer tutors provide feedback and strategies

on every part of the writing process, from getting started to organization, style clarity, development, surface problems, and documenting sources. The Writing Center also provides resources for students to use independently, including dictionaries, thesauri, grammar handbooks, handouts, and workbooks, style manuals, and computer assisted instruction.

### **Supplemental Instruction**

Supplemental Instruction (SI) is provided in some classes at Fayetteville State University. In this program, which is used in more than 900 colleges and universities throughout the world, highly-qualified students, known as SI Leaders, provide four one-hour sessions of academic support each week. Since the SI Leader attends class, he or she knows what the course instructor has covered in class. SI Leaders review notes, conduct practice quizzes, and carry out additional assignments to reinforce the knowledge and skills required by the class.

### **Learning Communities**

The University College supports learning communities at Fayetteville State University. Learning communities are sets of linked courses, usually exploring a common theme. Instructors in learning communities work together to develop the theme and to coordinate their course content. Students enroll in all of the courses linked through the learning community. By linking together students, faculty, and courses, learning communities create more opportunities for enrichment, interaction, and exploration.

### **Learning Outcomes**

All Fayetteville State University graduates, regardless of major, will achieve the following learning outcomes, which will be introduced in 100- and 200- level courses and reinforced throughout a student's major courses.

1. **Communication Skills:** Students will comprehend, analyze, and evaluate the effectiveness of various forms of written and spoken communication, and they will assemble original written and spoken communications that display appropriate organization, clarity, and documentation for a given purpose and audience.
2. **Reasoning Skills - Critical Thinking:** Students will accurately evaluate the reasonableness of arguments' evidence and support, and they will construct reasonable arguments using various forms of evidence drawn from multiple sources.  
**Reasoning Skills - Quantitative:** They will apply math to situations common in everyday living, and they will calculate, interpret, and assess statistical data and concepts, percentages, proportions, rates of change, geometric measures, linear equations, probability and risk.
3. **Inquiry Skills:** Students will formulate effective questions based on a need; organize, sort, evaluate, and retrieve academic information to address the need; cite sources appropriately for their context.
4. **Scientific Literacy:** Students will create and assess hypotheses using research methods, interpret and express the results of observation and experimentation, understand the fundamental concepts of natural and social sciences, and apply scientific knowledge to situations common to daily life to promote physical and psychological well-being.
5. **Global Literacy:** Students will appreciate the global diversity of cultures, values, and belief systems and the common humanity underlying them; interact effectively with culturally different peoples; understand cultural interdependence, and create solutions to intercultural problems.
6. **Ethics and Civic Engagement:** Students will develop a personal system of ethics and morality and demonstrate it in daily self-discipline and interpersonal relationships, in volunteer work, and through participation in organizations; they will synthesize source material from a variety of disciplines to understand and apply theories of morality and ethics.

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The University College Core Curriculum is designed to ensure that graduates will achieve these learning outcomes.

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>45.0</b>
Minimum of 45 credits required of all students. See Program Requirements for specific programs..	
<b>University College Core Curriculum</b>	<b>45.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences*****</b>	<b>8.0</b>
Select two from the following: CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122	
<b>History and Social Sciences</b>	<b>3.0</b>
Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203	
<b>Physical Education/Health Education</b>	<b>2.0</b>
Select HEED 112 Or two from the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>
Select from: History and Social Sciences options above. Humanities and Fine Arts options above. 6 credits of foreign language sequence.	



3 credits of any 100- or 200-level class.

### **Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
- \*\* PHIL 110 not required for students with 60+ transfer credits.
- \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
- \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- \*\*\*\*\* Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

### **Computer Literacy**

In keeping with the increasing reliance upon computer technology in all fields, Fayetteville State University is committed to ensuring that students gain computer usage skills as appropriate to their respective major fields. Students will gain the competencies of basic computer word processing and Internet skills in University College core courses, as appropriate.

All departments will be responsible for delineating the competencies in computer usage needed in their degree program(s) and for stating the means by which students gain these needed skills.

### **Upper Division Academic - Admissions Requirements**

Students must meet the following requirements before being unconditionally admitted to the upper division:

**College of Arts and Sciences** (please see degree programs for other requirements):

1. Complete the University College Core Curriculum.
2. Take the rising junior examination. (Secondary education majors must take and pass PRAXIS I.)
3. Complete a Declaration of Major form for a major in the College of Arts and Sciences.

**School of Business and Economics** (please see degree programs for other requirements):

Prior to taking advanced courses toward a Bachelor of Science degree in a business discipline, a student must be accepted as a student in the School of Business and Economics. Admission to the School of Business and Economics is by acceptance following the filing of a student application. To be eligible to apply, all students must meet the following minimum criteria:

1. A student must have completed a minimum of 30 credit hours with a minimum GPA required by the program.
2. A student must have completed the following courses with no grade lower than a C and have attained a grade point average in these courses of not less than 2.5: ACCT 211, ECON 211, BADM 214, BADM 215, BADM 216.
3. The students must submit a Declaration of Major form to the appropriate department.

**School of Education** (please see degree programs for other requirements):

1. Complete the University College Core Curriculum.
2. Students must pass PRAXIS I before being admitted to teacher education.

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3. Demonstrate a proficiency in reading.
4. Earn a GPA of 2.5 or higher.
5. Complete EDUC 211, Field Experiences in Area Schools.
6. Complete a Declaration of Major form for a major in Teacher Education.
7. Complete application for admission to teacher education.

### **Freshman Seminar/University Studies Courses**

Freshman Seminar I and II is a two-semester orientation to the university that is required of all first-time freshmen. These courses are designed to introduce students to the university experience in general, and the history, policies, procedures, and resources of Fayetteville State University. Students participate in orientation sessions in the Counseling Center, the Chesnutt Library, the Office of Career Services and Placement, and the Business Office and Office of Financial Aid. The courses are intended, further, to help students develop an academic plan that will enable them to graduate in four years, and acquire the time management skills, study habits, and other skills that are necessary for success at the university.

University Studies is a one-semester orientation to the university designed specifically for transfer students who enter FSU with fewer than 30 transfer credits (freshman status). The course content is comparable to that of Freshman Seminar I and II.

Freshman Seminar/University Studies instructors serve as Mentors for all students enrolled in their respective classes. Mentors seek to help students resolve the variety of problems they may face in making the transition to the university. Mentors assist students with academic advisement and career planning during the freshman year, and direct students to other resources for assistance, as needed.

Transfer students who enter FSU with 30 or more transfer credits are not required to complete University Studies.

## **College of Arts and Sciences**

The mission of the College of Arts and Sciences is to provide high quality educational programs, courses, and activities in arts, humanities, natural sciences, and social sciences at the undergraduate and graduate levels, thus enabling students and graduates to lead meaningful and productive lives.

The College of Arts and Sciences is the largest academic unit at the university, consisting of over 200 full time faculty and 80% of all declared majors at FSU. The College includes the Departments of Natural Science, Performing and Fine Arts, Nursing, English and Foreign Languages, Psychology, Social Work, Criminal Justice, Sociology, Math and Computer Science, and Government and History, as well as the Math and Science Education Center and Special Programs. Our Special Programs include a variety of activities designed to enhance student success, including the Educational Opportunity Center, Student Support Services, Educational Talent Search, GEAR UP, and Upward Bound.

The College of Arts and Sciences offers baccalaureate degrees in the arts, humanities, natural sciences, and social sciences. The College offers a number of undergraduate degree completion programs completely online, including Criminal Justice, Sociology, Psychology, Fire Science and the RN to BSN program.

The College of Arts and Sciences also has a number of graduate programs. We offer master's degrees in Biology and Teaching Biology, Social Work, Mathematics and Teaching Mathematics, English and English Education, Psychology (counseling and experimental), Political Science, Sociology, and Criminal Justice. The Master of Science Degree program in Criminal Justice can be attended either completely online, in-residence, or a combination of both.

### **Department of Criminal Justice**

#### **Degrees:**

- Bachelor of Science in Criminal Justice

#### **Minors**

- Minor in Criminal Justice

### **Department of English and Foreign Languages**

#### **Degrees:**

- Bachelor of Arts in English Language and Literature
- Bachelor of Arts in Spanish
- Bachelor of Science in English Language and Literature- Secondary Education
- Bachelor of Science in Spanish (K-12)

### **Certificate Programs**

- Professional Writing Certificate Program

## ***92 – Academic Programs: College of Arts and Sciences***

### **Minors**

- Minor in Chinese Language and Culture
- Minor in English
- Minor in French
- Minor in Spanish

### **Department of Government and History**

#### **Degrees:**

- Bachelor of Arts in Geography
- Bachelor of Arts in History
- Bachelor of Arts in Political Science
- Bachelor of Arts in Political Science with a concentration in Public Administration
- Bachelor of Science in Social Sciences - Secondary Education with a concentration in History
- Bachelor of Science in Social Sciences - Secondary Education with a concentration in Political Science

### **Minors**

- Minor in Geography
- Minor in History
- Minor in Philosophy
- Minor in Political Science
- Minor in Public Administration

### **Department of Mathematics and Computer Science**

#### **Degrees:**

- Bachelor of Science in Computer Science
- Bachelor of Science in Mathematics
- Bachelor of Science in Mathematics Secondary Education
- Bachelor of Science in Mathematics with a concentration in Applied Mathematics

### **Minors**

- Minor in Computer Science
- Minor in Mathematics

### **Department of Natural Sciences**

#### **Degrees:**

- Bachelor of Arts in Chemistry
- Bachelor of Science in Biology
- Bachelor of Science in Biology - Secondary Education
- Bachelor of Science in Biology with concentration in Medical Technology

- Bachelor of Science in Biotechnology
- Bachelor of Science in Chemistry
- Bachelor of Science in Fire Science with concentration in Fire Investigations
- Bachelor of Science in Fire Science with concentration in Management
- Bachelor of Science in Forensic Science with concentration in Biology
- Bachelor of Science in Forensic Science with concentration in Chemistry
- Engineering 2 plus 2 Single Degree Program

**Minors**

- Minor in Biology
- Minor in Biotechnology for Biology Majors
- Minor in Biotechnology for Chemistry Majors
- Minor in Chemistry
- Minor in Physics

**Department of Nursing**

**Degrees:**

- Bachelor of Science in Nursing - RN-BSN Track

**Department of Psychology**

**Degrees:**

- Bachelor of Science in Psychology
- Bachelor of Science in Psychology with a concentration in Biopsychology

**Minors**

- Minor in Psychology

**Department of Sociology**

**Degrees:**

- Bachelor of Arts in Sociology
- Bachelor of Science in Social Sciences - Secondary Education with a concentration in Sociology

**Minors**

- Minor in Social Work
- Minor in Sociology

## ***94 – Academic Programs: College of Arts and Sciences***

### **Department of the Performing and Fine Arts**

#### **Degrees:**

- Bachelor of Arts in Communication with concentration in Mass Communication
- Bachelor of Arts in Communication with concentration in Speech
- Bachelor of Arts in Music with a concentration in Instrumental
- Bachelor of Arts in Music with a concentration in Keyboard
- Bachelor of Arts in Music with a concentration in Voice
- Bachelor of Arts in Speech-Theatre with a concentration in Speech
- Bachelor of Arts in Speech-Theatre with a concentration in Telecommunication
- Bachelor of Arts in Speech-Theatre with a concentration in Theatre
- Bachelor of Arts in Visual Arts with a concentration in Art History
- Bachelor of Arts in Visual Arts with a concentration in Ceramics
- Bachelor of Arts in Visual Arts with a concentration in Graphics
- Bachelor of Arts in Visual Arts with a concentration in Painting
- Bachelor of Arts in Visual Arts with a concentration in Printmaking
- Bachelor of Arts in Visual Arts with a concentration in Sculpture
- Bachelor of Science in Art Education with a concentration in Ceramics
- Bachelor of Science in Art Education with a concentration in Graphics
- Bachelor of Science in Art Education with a concentration in Painting
- Bachelor of Science in Art Education with a concentration in Printmaking
- Bachelor of Science in Art Education with a concentration in Sculpture
- Bachelor of Science in Music Education (K-12) with a concentration in Instrumental
- Bachelor of Science in Music Education (K-12) with a concentration in Keyboard
- Bachelor of Science in Music Education (K-12) with a concentration in Voice

#### **Minors**

- Minor in Music
- Minor in Speech-Theatre
- Minor in Telecommunications
- Minor in Visual Arts

### **Department of Criminal Justice**

The Department of Criminal Justice offers a Bachelor of Science degree with the objectives of preparing students to engage in further study at the graduate and professional levels and to pursue careers in criminal justice. To achieve its objectives, the department requires students to complete the University College Core Curriculum and 48 or more credit hours in criminal justice. A minor or set of free electives is required to supplement the major. The department offers an online degree completion program in cooperation with the North Carolina Community College System. Students may complete lower division classes online through the community college; required upper division classes are offered online by Fayetteville State University. The department also has dual enrollment agreements with selected North Carolina community colleges, which enable students to enroll in courses simultaneously at the community college and the university to facilitate degree completion.

**Bachelor of Science in Criminal Justice**

**Major Requirements** **Credits**

**Total Credit Hours** **120.0**

Grade of C or higher in all major courses. No academic credit is awarded for life experiences or for military, police academy or other professional training. Criminal Justice majors must earn at least 50% of their credits in criminal justice through instruction offered by the institution.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 220 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

POLI 210 And  
PSYC 210 And  
SOC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

## **96 – Academic Programs: College of Arts and Sciences**

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 75.0

**Criminal Justice Courses** 21.0

CRJC 200 And CRJC 201 And CRJC 215 And CRJC 220 And CRJC 411 And CRJC 420 And CRJC 450

**Criminal Justice Electives** 27.0

**Select nine from the following:** CRJC 202 Or CRJC 203 Or CRJC 212 Or CRJC 222 Or CRJC 230 Or CRJC 300 Or CRJC 302 Or CRJC 305 Or CRJC 311 Or CRJC 313 Or CRJC 333 Or CRJC 340 Or CRJC 351 Or CRJC 361 Or CRJC 370 Or CRJC 429 Or CRJC 430 18 hours must be 300-400 level courses.

**Statistics Electives** 3.0

**Select one from the following:** SOCI 331 Or PSYC 233 Or STAT 202

**Computer Skills Elective** 3.0

**Select one from the following:** CSC 100 Or CSC 101 Or BADM 214 Or BEDU 250 Or EDUC 210 Or MIS 300 Or PSYC 260 Or SOCI 333

**Minor or Free Electives** 21

**Minor in Criminal Justice**

**Total Credit Hours** 18.0

Grade of C or higher in all minor requirements.

CRJC 200 And CRJC 201 And CRJC 215 And CRJC 220 And six credits of CJRC electives at 300 or 400 level.

### **Department of English and Foreign Languages**

The Department of English and Foreign Languages strives to contribute to the liberal arts education of all students. Through its English composition courses, the department seeks to ensure that all students develop effective written communication skills. Courses in English, French, and Spanish literature introduce students to different genres, stylistic periods, and methods of interpretation of literature. Bachelor of Arts degree programs are offered by the department in English Language and Literature and in Spanish. In conjunction with the School of Education, the department also offers teaching degrees in English Language and Literature and Spanish.

These programs prepare students to serve effectively as facilitators of learning. Minors are offered in English, Spanish, and Chinese Language and Culture. The department also offers a dynamic Professional Writing Certificate Program. The liberal arts education provided by the department prepares students for a variety of career options: education, publishing, finance, politics, law, the performing arts, or any field in which effective communications skills are required.

Departmental resources include a Writing Center as part of the University College, a Computer Composition Laboratory, the Charles Waddell Chesnutt Library, a Foreign Language Laboratory, and several student organizations.



**Bachelor of Arts in English Language and Literature**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>123.0</b>

University College Core Curriculum	45.0
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Freshman Seminar/University Studies*	2.0
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Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

Critical Thinking**	3.0
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PHIL 110

English Composition***	6.0
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ENGL 110 And ENGL 120

Speech	3.0
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SPEE 200

Mathematics****	6.0
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MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

Natural Sciences	8.0
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Select two from the following: CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

History and Social Sciences	3.0
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Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

Humanities and Fine Arts	3.0
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Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

Physical Education/Health Education	2.0
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Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

University College Restricted Electives	9.0
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**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

**98 – Academic Programs: College of Arts and Sciences**

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 78.0

**English Courses** 48.0

ENGL 220 And ENGL 223 And ENGL 231 And ENGL 271 And ENGL 311 And ENGL 312 And ENGL 321 And ENGL 322 And ENGL 341 And ENGL 411 And ENGL 431 And ENGL 470 And 6 hours of ENGL electives.

**Select one from the following:** ENGL 332 Or ENGL 343 Or ENGL 370 And select one from the following: ENGL 412 Or ENGL 432

**Foreign Language Sequence** 6.0

**Minor** 18.0

See minor requirements.

**Free Electives** 6

Other Program Requirements: Grade of C or higher is required in all major courses.

**Bachelor of Arts in Spanish**

**Major Requirements** Credits

**Total Credit Hours** 120.0

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

*Academic Programs: College of Arts and Sciences - 99*

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 75.0

**Spanish Courses** 45.0

SPAN 211 And SPAN 212 And SPAN 311 And SPAN 312 And SPAN 321 And SPAN 322 And SPAN 331 And SPAN 332 And SPAN 341 And SPAN 342 And SPAN 421 And SPAN elective And

**Select one from the following:** SPAN 461 Or SPAN 471

**Major Electives**

FREN 110 - 120\* \*May be substituted by ENGL 230 and 231 or two ENGL courses.

**Minor** 21.0

**See appropriate catalog section for requirements of minor.**

**Free Electives** 9.0

**Other Program Requirements:**

**Grade of C or higher is required in all major courses.**

**Bachelor of Science in English Language and Literature - Secondary Education**

**Major Requirements** Credits

**Total Credit Hours** 125.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education and major courses.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**100 – Academic Programs: College of Arts and Sciences**

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or  
ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST  
211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or  
SWRK 220

**Humanities and Fine Arts** 3.0

Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 80.0

**English Courses** 42.0

ENGL 230 And ENGL 231 And ENGL 271 And ENGL 301 And ENGL 332 And ENGL 341  
And ENGL 343 And ENGL 411 And ENGL 431 And ENGL 470

Select one from the following two: ENGL 220 Or ENGL 223 And select one from the following two: ENGL 311 Or ENGL 312 And select one from following two: ENGL 321 Or

*Academic Programs: College of Arts and Sciences - 101*

ENGL 322

**Major Electives**

Three credits of ENGL electives.

**Professional Education Courses** 29.0

EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450  
And EDUC 460 And EDUC 480 And EDUC 490 And READ 320

**Foreign Language Sequence** 6.0

**Free Electives** 3.0

**Other Program Requirements:**

Grade of C or higher is required in all major courses.

**Bachelor of Science in Spanish (K-12)**

**Major Requirements** Credits

**Total Credit Hours** 122.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education and major courses.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or  
ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST  
211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or  
SWRK 220

**Humanities and Fine Arts** 3.0

Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

*102 – Academic Programs: College of Arts and Sciences*

**University College Restricted Electives**

**9.0**

SPAN 110 And

SPAN 120 And

One course selected from Humanities and Fine Arts options or History and Social Science options or any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements**

**77.0**

**Spanish Courses**

**45.0**

SPAN 211 And SPAN 212 And SPAN 311 And SPAN 312 And SPAN 321 And SPAN 322 And SPAN 331 And SPAN 332 And SPAN 420 And SPAN 421

**Select one from the following two:** SPAN 341 Or SPAN 342 And select one from the following four: SPAN 411 Or SPAN 431 Or SPAN 461 Or SPAN 471

**Major Electives**

FREN 110 - 120 and FREN 211-212\* May be substituted with ENGL 230, ENGL 231, ENGL 341, ENGL 370 Or four ENGL courses.

**Professional Education Courses**

**32.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 460 And EDUC 480 And EDUC 490 And READ 320

**Other Program Requirements:**

**Grade of C or higher is required in all major courses.**

**Professional Writing Certificate Program**

**Total Credit Hours**

**18.0**

ENGL 335 COMM 235 Or ENGL 231

**Minor in Chinese Language and Culture**

**Total Credit Hours**

**18.0**

Grade of C or higher in all minor requirements.

CHIN 120 And CHIN 210 And CHIN 270 And CHIN 330 And six credits of CHIN electives

**Chinese Language Electives**

Select one from the following: CHIN 110 Or CHIN 310

**Chinese Culture Electives**

Select one from the following: CHIN 331 Or CHIN 332 Or HIST 331

**Minor in English**

**Total Credit Hours** 18.0

Grade of C or higher in all minor requirements.

ENGL 231 (ENGL 223 and ENGL 240 should be completed as part of the University College Core Curriculum for English minor. ) And ENGL 311 And ENGL 312 And ENGL 321 And ENGL 322 And ENGL 411

**Minor in French**

**Total Credit Hours** 24.0

Grade of C or higher in all minor requirements.

FREN 110 And FREN 120 And FREN 211 And FREN 212 And FREN 311 And FREN 312 And six credits of FREN electives.

**Minor in Spanish**

**Total Credit Hours** 24.0

Grade of C or higher in all minor requirements.

SPAN 110 And SPAN 120 And SPAN 211 And SPAN 212 And SPAN 311 And SPAN 312 And six credits of SPAN electives.

**Department of Government and History**

The mission of the Department of Government and History is to provide effective instruction and educational programs in geography, history, and political science. The department offers bachelors degrees in geography, history, and political science. The department also offers a minor in philosophy. In conjunction with the School of Education, the department offers the Bachelor of Science degree in Social Science Education with concentrations in history and political science. These programs provide students with the training in general education, history, social sciences, and professional education necessary for working effectively as social studies teachers in grades 9-12, and equip graduates with a broad comprehension of the role of the instructor as a facilitator of learning. The Department of Government and History is committed to the mission of Fayetteville State University in accommodating the higher educational needs of its students and providing life-long experiences and cultural opportunities for members of its immediate and extended communities.

**Bachelor of Arts in Geography**

**Major Requirements** Credits

**Total Credit Hours** 120.0

Grade of C or higher required in all major courses.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

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PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or  
ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or  
CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or  
ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST  
211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or  
SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 75.0

**Geography Courses** 30.0

GEOG 210 And GEOG 220 And GEOG 310 And GEOG 311 And GEOG 340 And GEOG  
350 And GEOG 440 And GEOG 480 And

**Major Electives**

Two GEOG Electives



*Academic Programs: College of Arts and Sciences - 105*

**Restricted Electives** 21.0

Select from at least 3 different disciplines from the following: ANTH 200-499 Or ASTR 100-499 Or CHEM 100-499 Or GEOL 100-499 Or HIST 100-499 Or ECON 100-499 Or PHYS 100-499 Or POLI 100-499 Or PSYC 100-499 Or SOCI 100-499

**Minor or Electives** 18.0

**Free Electives** 6.0

**Bachelor of Arts in History**

**Major Requirements** Credits

**Total Credit Hours** 120.0

Minimum GPA of 2.0. Grade of C or higher in all major courses.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

Select from: MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

Select two from the following: CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.

## 106 – Academic Programs: College of Arts and Sciences

6 credits of foreign language sequence.  
3 credits of any 100- or 200-level class.

### Notes

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 75.0

**History Courses** 39.0

HIST 110 And HIST 120 And HIST 210 And HIST 211 And HIST 212 And HIST 311 And HIST 312 And HIST 490

**Select two from the following:** HIST 270 Or HIST 331 Or HIST 350 Or HIST 352 Or HIST 353 Or HIST 370

### Major Electives

9 HIST Credits.

**Social Science Requirements** 12.0

**Select four from the following:** ANTH 210 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 210 Or GEOG 220 Or POLI 210 Or PSYC 210 Or SOCI 210

**Minor or Electives** 18.0

See minor requirements.

**Free Electives** 6.0

### Other Program Requirements:

Grade of C or higher is required in all major courses (with prefix HIST or HIPO). Students must have an overall GPA of 2.0 or higher to graduate.

### Bachelor of Arts in Political Science

**Major Requirements** Credits

**Total Credit Hours** 120.0

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** **6.0**  
 MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
 MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**  
**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or  
 ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or  
 CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**  
**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or  
 ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST  
 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or  
 SWRK 220

**Humanities and Fine Arts** **3.0**  
**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**  
**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**  
**Select from:**  
 History and Social Sciences options above.  
 Humanities and Fine Arts options above.  
 6 credits of foreign language sequence.  
 3 credits of any 100- or 200-level class.

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **75.0**

**Political Science Courses** **39.0**  
 POLI 200 And POLI 210 And POLI 220 And POLI 450 And POLI 460 And 2 of the following  
 3: POLI 350 OR POLI 351 Or POLI 350 Or HIPO 310 And 1 of following 3 POLI 471 Or  
 POLI 480 Or POLI 490

**Major Electives**  
 Five POLI/HIPO Electives

**Social Sciences Requirements** **15.0**  
 GEOG 220 And HIST 211 And HIST 212 And SOCI 210 And one of the following three:  
 ECON 200 Or ECON 211 Or ECON 212

**Minor or Electives** **18.0**

*108 – Academic Programs: College of Arts and Sciences*

**Free Electives** 3.0

**Bachelor of Arts in Political Science with a concentration in Public Administration**

**Major Requirements** Credits

**Total Credit Hours** 120.0

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or  
ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or  
CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or  
ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST  
211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or  
SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

*Academic Programs: College of Arts and Sciences - 109*

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **75.0**

**Major Courses** **51.0**

POLI 200 And POLI 210 And POLI 220 And POLI 301 And POLI 312 And POLI 320 And POLI 420 And POLI 442 And POLI 450 And POLI 460 And POLI 470

**Select one from the following:** POLI 471 Or POLI 480 Or POLI 481 Or POLI 490 And select three of the following: ECON 330 (ECON 211-212 are pre-requisites for ECON 330) OR GEOG 440 Or MIS 300 Or POLI 321 Or POLI 400 Or POLI 401 Or POLI 402 Or POLI 412 Or POLI 431 Or SOCI 442

**Major Electives**

Students with prior administrative or leadership experience may choose elective in place of POLI 470.

**Other Required Courses** **18.0**

CSC 100 And SOCI 331 And HIST 211 And HIST 212 And one of three: ECON 200 Or ECON 211 Or ECON 212 And one of two: SOCI 210 Or SOCI 220

**Free Electives** **6.0**

**Bachelor of Science in Social Sciences - Secondary Education with a concentration in History**

**Major Requirements** **Credits**

**Total Credit Hours** **131.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education and major courses.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST

**110 – Academic Programs: College of Arts and Sciences**

211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

**Select two from the following five:**

HIST 110, 120, 210, 211, or 212 And

One course selected from Humanities and Fine Arts options or History and Social Science options or any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **86.0**

**History Courses** **36.0**

HIST 110 And HIST 120 And HIST 210 And HIST 211 And HIST 212 And HIST 311 And HIST 312 And HIST 390 And HIST 490 And HIST Elective And US HIST Elective (Two of these: HIST 110, HIST 120, HIST 210, HIST 211 or HIST 212 must be completed as part of core curriculum.)

**Select one from the following six:** HIST 270 Or HIST 331 Or HIST 350 Or HIST 352 Or HIST 353 Or HIST 370

**Social Science Requirements** **18.0**

**Select five courses from the following eight:** ANTH 210 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or POLI 210 Or PSYC 210 Or SOCI 210

**Professional Education Courses** **32.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 460 And EDUC 480 And EDUC 490 And READ 320

**Other Program Requirements:**

**Students must earn a grade of C or higher in all Education courses as well as a grade of C or higher in all History courses (with prefix HIST or HIPO).**

**Bachelor of Science in Social Sciences - Secondary Education with a concentration in Political Science**

**Major Requirements** **Credits**

**Total Credit Hours** **125.0**

*Academic Programs: College of Arts and Sciences - 111*

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education and major courses.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 80.0

**Political Science Courses** 27.0

*112 – Academic Programs: College of Arts and Sciences*

POLI 200 And POLI 210 And POLI 450 And POLI 460 And

**Select one from the following three:** POLI 471 Or POLI 40 Or POLI 490 And select two from the following three: POLI 350 Or POLI 351 Or POLI 352

**Major Electives**

Six credits of POLI electives.

**Social Science Requirements**

**18.0**

GEOG 220 And HIST 211 And HIST 212 And SOCI 210 And one of three: ECON 200 Or ECON 211 Or ECON 212

**Professional Education Courses**

**32.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 460 And EDUC 480 And EDUC 490 And READ 320

**Free Electives**

**3.0**

**Minor in Geography**

**Total Credit Hours**

**18.0**

Grade of C or higher in all minor requirements.

GEOG 210 And GEOG 220 And 12 credits of GEOG electives.

**Minor in History**

**Total Credit Hours**

**24.0**

Grade of C or higher in all minor requirements.

HIST 110 And HIST 120 And HIST 210 And HIST 211 And HIST 212 And HIST 311 And HIST 312 And three credits selected from Asian, African, or Latin-American history.

**Minor in Philosophy**

**Total Credit Hours**

**18.0**

Grade of C or higher in all minor requirements.

Select six PHIL courses beyond PHIL 110: PHIL 210 Or PHIL 211 Or PHIL 212 Or PHIL 220 Or PHIL 230 Or PHIL 310 Or PHIL 320 Or PHIL 330 Or PHIL 340 Or PHIL 360 Or PHIL 370 Or PHIL 430

**Minor in Political Science**

**Total Credit Hours**

**18.0**

Grade of C or higher in all minor requirements.

POLI 200 And POLI 210 And POLI 320 And POLI 450 And POLI 460 And one course selected from the following: POLI 350 Or POLI 351 Or POLI 352 Or HIPO 310

**Minor in Public Administration**

**Total Credit Hours**

**18.0**



Grade of C or higher in all minor requirements.

POLI 200 And POLI 210 And POLI 220 And POLI 301 And POLI 312 And three credits of POLI electives.

### **Department of Mathematics and Computer Science**

The Department of Mathematics and Computer Science offers three programs leading to the degree of Bachelor of Science. These degree programs are designed so that all students take the basic University College Core courses, major courses in Mathematics and Computer Science, and flexible elective choices. The department also offers minors in Mathematics and Computer Science, a concentration in Applied Mathematics, and courses in Statistics. These programs of study prepare graduates for careers in teaching, business, industry, and government, or for further study.

A minor in mathematics consists of a minimum of 21 credit hours beginning at the level of MATH 131. These credits must include 12 credit hours of calculus. A student whose major or minor is mathematics and computer science must earn a grade of C or better in all computer science and mathematics classes.

1. A student must pass prerequisite courses with a grade of C or higher before enrolling in subsequent courses.
  2. The computer science major must complete a departmental comprehensive examination in the senior year.
  3. Any student enrolled in a CSC or MATH course who does not meet the prerequisites for that course will be required to drop the course.
  4. Students must earn a grade of C or higher in all major courses and have a minimum GPA of 2.0.
- 
1. A student must pass prerequisite courses with a grade of C or higher prior to enrolling in subsequent courses.
  2. The mathematics major must complete a departmental comprehensive examination in the senior year.
  3. Any student enrolled in a CSC or MATH course who does not meet the prerequisites for that course will be required to drop the course.
  4. Students must earn a grade of C or higher in all major courses for graduation.
- 
1. A student must pass prerequisite courses with a grade of C or higher prior to enrolling in subsequent courses.
  2. The mathematics, secondary education major must complete a departmental comprehensive examination in the senior year.
  3. Students must earn a grade of C or higher in all education courses.
  4. Any student enrolled in a CSC or MATH course who does not meet the prerequisites for that course will be required to drop the course.
  5. Students must earn a grade of C or higher in all major courses for graduation.
- 
1. A student must pass prerequisite courses with a grade of C or higher prior to enrolling in subsequent courses.
  2. The mathematics major must complete a departmental comprehensive examination in the senior year.
  3. Any student enrolled in a CSC or MATH course who does not meet the prerequisites for that course will be required to drop the course.
  4. Students must earn a grade of C or higher in all major courses for graduation.

## *114 – Academic Programs: College of Arts and Sciences*

### **Bachelor of Science in Computer Science**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>120.0</b>
Minimum GPA of 2.0. Grade of C or higher in all major courses.	
<b>University College Core Curriculum</b>	<b>45.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following:</b> UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 131 And MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
<b>Select two from the following:</b> PHYS 121 And PHYS 122 Or CHEM 140 And CHEM 160 Or BIOL 150 And ZOO 110	
<b>History and Social Sciences</b>	<b>3.0</b>
<b>Select one from the following:</b> ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following:</b> ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203	
<b>Physical Education/Health Education</b>	<b>2.0</b>
<b>Select</b> HEED 112 Or two from the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>
<b>Select from:</b> History and Social Sciences options above. Humanities and Fine Arts options above. 6 credits of foreign language sequence. 3 credits of any 100- or 200-level class.	

### **Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

*Academic Programs: College of Arts and Sciences - 115*

**Program Requirements** 75.0

**Computer Science Courses** 48.0

CSC 105 And CSC 120 And CSC 130 And CSC 201 And CSC 207 And CSC 220 And CSC 303  
And CSC 322 And CSC 350 And CSC 403 And CSC 431 And CSC 470 And CSC 490

**Major Electives**

3 Credits from CSC 200 or higher. 6 Credits from CSC 300 or higher. 3 Credits from CSC 400 level.

**Mathematics and Statistics** 17.0

MATH 142 And MATH 241 And MATH 250 And MATH 251 And STAT 202

**Restricted Electives** 6.0

**Select 6 credits from the following:** MATH 242 Or MATH 300 or higher Or CSC 300 or higher  
Or PHYS 200 or higher Or STAT 300 or higher

**Science Elective** 4.0

**Select at least 4 credits in addition to UC requirement.** BIOL 150 Or BIOL 200 Or CHEM  
140 Or CHEM 160 Or CHEM 220 Or CHEM 221 Or PHYS 121 Or PHYS 122 Or PHYS 211  
Or PHYS 212 Or ZOOL 110 And ZOOL 200 or higher

**Bachelor of Science in Mathematics**

**Major Requirements** Credits

**Total Credit Hours** 121.0

Grade of C or higher in all major courses.

**University College Core Curriculum** 48.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 7.0

MATH 131 And MATH 142

**Natural Sciences** 10.0

PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or  
ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST  
211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or  
SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

*116 – Academic Programs: College of Arts and Sciences*

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 73.0

**Mathematics Courses** 41.0

MATH 150 And MATH 241 And MATH 242 And MATH 251 And MATH 260 And MATH 331 And MATH 361 And MATH 362 And MATH 372

Select four from the following: MATH 412 Or MATH 431 Or MATH 461 Or MATH 472 Or MATH 481 Or MATH 492

**Other Course Requirements** 17.0

PHYS 211 And PHYS 212 And STAT 301 And STAT 302 And CSC 101 to CSC 499

**Restricted Electives** 9.0

Select nine from the following: CHEM 140 to CHEM 499 Or CSC 101 to CSC 499 Or MATH 300 to MATH 499 Or PHYS 300 to PHYS 499 Or STAT 400 to STAT 499 Or ECON 200 to ECON 499

**Electives** 6.0

**Bachelor of Science in Mathematics Secondary Education**

**Major Requirements** Credits

**Total Credit Hours** 127.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education and major courses.

**University College Core Curriculum** 48.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

*Academic Programs: College of Arts and Sciences - 117*

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **7.0**

MATH 131 And MATH 142

**Natural Sciences** **10.0**

PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **79.0**

**Mathematics Courses** **41.0**

MATH 150 And MATH 241 And MATH 242 And MATH 251 And MATH 260 And MATH 262 And MATH 312 And MATH 331 And MATH 361 And MATH 412 And MATH 472 And MATH 485 And MATH 486 (MATH 485 and MATH 486 to be taken senior year)

**Professional Education Courses** **29.0**

EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 460 And EDUC 480 And EDUC 490 And READ 320 (EDUC 211 to be taken sophomore year. EDUC 421, EDUC 450, EDUC 480, EDUC 490, Read 320 only after admission to Teacher Education.)

**Other Requirements** **6.0**

*118 – Academic Programs: College of Arts and Sciences*

STAT 202 And STAT 301

**Electives** **3.0**

**Bachelor of Science in Mathematics with a concentration in Applied Mathematics**

**Major Requirements** **Credits**

**Total Credit Hours** **121.0**

Grade of C or higher in all major courses.

**University College Core Curriculum** **48.0**

**Freshman Seminar/University Studies\*** **2.0**

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **7.0**

MATH 131 And MATH 142

**Natural Sciences** **10.0**

PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**

Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

*Academic Programs: College of Arts and Sciences - 119*

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 73.0

**Mathematics Courses** 38.0

MATH 150 And MATH 241 And MATH 242 And MATH 251 And MATH 260 And MATH 331 And MATH 361 And MATH 362 And MATH 372 And select three from the following: MATH 412 Or MATH 431 Or MATH 461 Or MATH 472 Or MATH 481 Or MATH 492

**Other Course Requirements** 14.0

PHYS 211 And PHYS 212 And STAT 301 And STAT 302

**Applied Mathematics Courses (Choose a) or b) or c))** 21

a) CSC 310 And MATH 345 And MATH 350 And STAT 315 And Stat 415 And select two from the following: MATH 320 Or MATH 431 Or MATH 435 Or MATH 420 Or MATH 440 Or CSC 360 Or CSC 451 Or MATH 325 Or MATH 380 Or MATH 410 Or MATH 315 Or MATH 405 Or MATH 415

b) CSC 360 And CSC 451 And MATH 325 And MATH 380 And MATH 410 And select two from the following: CSC 310 Or MATH 345 Or MATH 350 Or STAT 315 Or STAT 415 Or MATH 320 Or MATH 431 Or MATH 435 Or MATH 420 Or MATH 440 Or MATH 315 Or MATH 405 Or MATH 415

c) MATH 320 And MATH 431 And MATH 435 And MATH 420 And MATH 440 And select two (or three\*) from the following: CSC 310 Or MATH 345 Or MATH 350 Or STAT 315 Or STAT 415 Or CSC 360 Or CSC 451 Or MATH 325 Or MATH 380 Or MATH 410 Or MATH 315 Or MATH 405 Or MATH 415

**Minor in Computer Science**

**Total Credit Hours** 33.0

Grade of C or higher in all minor requirements.

MATH 150 And MATH 250 And CSC 105 And CSC 120 And CSC 130 And CSC 201 And CSC 220 And six credits of CSC Electives at 300 or 400 level.

**Minor in Mathematics**

**Total Credit Hours** 21.0

Grade of C or higher in all minor requirements.

MATH 131 (MATH 121, 129, 130 may be required based on profile examinations. MATH 129-130 with a grade of C or better in each will substitute for MATH 131.) And MATH 142 And MATH 241 And MATH 242 And six credits of MATH electives at 200 level or above.

**Department of Natural Sciences**

The Department of Natural Sciences offers degrees in selected areas of the natural sciences to prepare students for careers in government, industry, health-related professions, education, or for pursuing further study in graduate or professional schools. The department requires its undergraduate majors to complete successfully the University College Core Curriculum and then to pursue advanced courses in their majors.

## *120 – Academic Programs: College of Arts and Sciences*

Students may elect undergraduate majors in biology (choosing either the teaching program, the medical technology concentration, or the non-teaching program), biotechnology, chemistry, fire science, or forensic science. The department also offers tracks in medical and allied health fields, a joint program in pharmacy, and a general engineering program.

Students in other undergraduate majors may elect to minor in biology, biotechnology, chemistry, or physics in order to achieve their career goals. The Department of Natural Sciences offers a variety of non-major courses that satisfy the natural sciences requirement of the University College Core Curriculum.

### **Pre-Professional Tracks**

Students pursuing Bachelor of Science degrees in Biology or Chemistry may be interested in tracks leading to careers in **dentistry, medicine, pharmacy, or veterinary medicine**. The following courses with electives totaling over 90 semester hours are designed to meet the requirements for entrance to most schools of medicine, dentistry, or other health professions. Since there may be some differences in admission requirements, students are advised to know the requirements of the schools they expect to attend.

The following courses should be taken as part of the University College Curriculum:

- MATH 129\* Pre-Calculus I
- MATH 130\* Pre-Calculus II
- BIOL 150 Principles of Biology
- ZOOL 110 General Zoology

\*MATH 129 and MATH 130 are required, but profile examination scores may indicate that MATH 121 must be completed as prerequisite to MATH 129.

These courses are strongly recommended for entrance in most schools of dentistry, medicine, and veterinary medicine:

- BIOL 200 Cellular Biology
- BOTN 210 General Botany
- CHEM 140 General Chemistry I
- CHEM 160 General Chemistry II
- CHEM 221 Organic Chemistry I
- CHEM 222 Organic Chemistry II
- MATH 142 Calculus with Analytic Geometry I
- PHYS 111 General Physics I or Physics 121
- PHYS 112 General Physics II or Physics 122
- PHYS 113 General Physics III or Physics 123
- ZOOL 370 Vertebrate Physiology
- Foreign Language Sequence, 6 hours

Electives should include courses in areas such as psychology, sociology, economics, embryology, humanities, comparative anatomy, genetics, biochemistry, and advanced physics. Pre-dentistry students should take ART 231 as one of their electives. Pre-veterinary students are required to take one course in Nutrition (3 semester hours).



## *Academic Programs: College of Arts and Sciences - 121*

The following courses are recommended by most schools of pharmacy and should be considered as pre-pharmacy course requirements. These courses are the minimum science requirements for all schools of pharmacy:

- Two semesters of Biology (BIOL 150 and ZOOL 110)
- Two semesters of General Chemistry (CHEM 140 and 160)
- Two semesters of Organic Chemistry (CHEM 221 and 222)
- One semester of Calculus (MATH 142)
- Two semesters of Physics (PHYS 111 and 112 or PHYS 121 and 122)

These courses are common requirements found in admission requirements for many schools of pharmacy:

- Two semesters of English Composition (ENGL 110 and 120)
- Two semesters of Anatomy and Physiology (ZOOL 210 and 230)
- Cell Biology and Microbiology (BIOL 200 and BIOL 330)
- Biochemistry (BICH 411 and 421)
- History and Social Sciences (Anthropology, Economics, History, Psychology, and Sociology)
- Humanities and Fine Arts (Art, Literature, Music, and Philosophy)
- Verbal Communication (SPEE 200)
- Ethnic Studies (Foreign Language, ENGL 220, ENGL 223, HIST 210, PHIL 212, and others)
- Advanced Biology and Zoology (ZOOL 350, ZOOL 370, ZOOL 410, and ZOOL 430)
- Mathematics, Statistics and Computer Science (CSC 100, STAT 202, and others)

The following requirements apply to all students who plan to pursue the Bachelor of Science degree in Biology with concentration in Medical Technology.

1. A cumulative GPA of 2.0 or higher is required in all major courses for graduation.
2. Students officially enrolled in the Medical Technology Concentration will be reviewed at the end of each academic year. At the end of the sophomore year, students' records will be reviewed, and students will be appropriately advised about the formal application process for the fourth year clinical phase at a hospital school of medical technology.
3. Students should apply one year in advance of their anticipated entrance into the hospital training phase. Therefore, applications should be made during the first five weeks of the junior year. At the end of their sophomore year, students who have not achieved a cumulative GPA of 3.0 or higher in science courses will be advised not to apply for the clinical phase studies. All "D's" in science courses (biology, chemistry, and physics) must be removed prior to formal application to hospital schools of medical technology for the fourth year clinical training phase.
4. At the end of their junior year, students must have completed approximately 90 semester hours of college credits, including the following course requirements in science and mathematics:
  - a. 16 Semester Hours - Biology
  - b. 16 Semester Hours - Chemistry and Biochemistry
  - c. 6 Semester Hours - Mathematics

**Students must have completed all science courses with a grade of "C" or higher.**

5. Completion of three years of study at Fayetteville State University does not guarantee admission to a hospital school of medical technology for the fourth year clinical training phase. However, those students who have achieved at least a GPA of 3.0 or higher in all courses may be accepted in one of over 600 clinical training programs. Admission to these programs is highly competitive.
6. Students will be accepted by the respective hospital schools following transcript evaluation by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), if required, and an interview by the hospital school admissions committee.

## *122 – Academic Programs: College of Arts and Sciences*

7. Students admitted to the hospital training phase are expected to maintain the hospital standards of performance and competency. Following successful completion of the clinical phase, the student is awarded a certificate in medical technology by the hospital.
8. Only those students who successfully complete the academic and clinical training phases will be granted a B.S. degree from Fayetteville State University. Satisfactory completion of the three-year academic phase and the twelve-month clinical training phase qualifies students to take the national examination of the Registry of Medical Technologists of the American Society of Clinical Pathologists (ASCP).
9. Students who are not accepted (during the junior year) at a hospital school of medical technology for their fourth year clinical training may be granted a B.S. degree in biology or chemistry from Fayetteville State University following the satisfactory completion of all requirements for that degree. They may then re-apply for admission to any hospital school of medical technology for the twelve-month clinical training phase. Satisfactory completion of the twelve-month clinical training phase qualifies students to take the national examination of the Registry of Medical Technologists of the American Society of Clinical Pathologists.

Students must have a GPA of 2.5 or better in science and mathematics courses in the University College Core Curriculum to be eligible for admission to the B.S. in Biotechnology degree program. Transfer students from two-year community colleges and four-year colleges and universities with cumulative GPA of 2.50 or better at the time of transfer are eligible for admission to the program.

The Bachelor of Science in Fire Science degree program is a dual-enrollment program in partnership with accredited community colleges using an on-line delivery system. Some requirements must be completed through an accredited community college. Students with an Associates of Applied Science in Fire Protection Technology from an accredited community colleges will apply directly to Fayetteville State University for admission. University College Core Courses needed for the program may be completed on the FSU campus, but these courses will not have on-line delivery.

Admission Requirements: Admission to the Fire Science major requires a minimum of 60 credit hours with a GPA of 2.0 or higher.

Admission Requirements: Fire Service Related Education and/or Experience

The Fire Science program with concentrations in fire service management and fire investigations has been designed as a bachelor's degree completion program. Students admitted under dual enrollment status will be eligible to transfer up to 84 community college credit hours. Students not participating in the dual enrollment feature can transfer up to 90 credit hours from community colleges or universities providing that all of those credits have been completed prior to admission to Fayetteville State University. Therefore, prior to formal admission, the applicant should meet one of the following criteria:

1. A regionally accredited A.A.S. in a fire service related disciplines.
  2. A regionally accredited A.A.S., A.A., or A.G.S. in any discipline, with five years of documented fire service experience.
  3. A student seeking a second bachelor's degree.
- 
1. Student must receive a "C" or higher in all Natural Science, Fire Science, and concentration courses with a cumulative GPA of 2.0 or higher for graduation.
  2. Students will be required to pass a background check and a review process similar to that needed for employment in a fire service position.

*Academic Programs: College of Arts and Sciences - 123*

Students must apply in writing for admission to the Forensic Science. To be admitted, applicants must meet the following criteria:

1. Applicants must have earned at least 18 credits from the University College Core Curriculum
  2. Applicant must have a cumulative GPA of 2.5 or higher.
  3. Applicants must have earned a minimum grade of "C" in the following mathematics and science courses, with a maximum of two repeated courses.
    - a. CHEM 140 - 160 (8)
    - b. MATH 129 - 130 (6)
    - c. CHEM 221 - 222 (9)
    - d. PHYS 111 - 112 (8)
    - e. FORS 200 (3)
    - f. BIOL 150 (4) (For biology concentration only)
    - g. ZOOL 110 (4) (For biology concentration only)
    - h. BIOL 200 (4) (For biology concentration only)
    - i. MATH 142 (4) (For chemistry concentration only)
    - j. MATH 242 (4) (For chemistry concentration only)
    - k. CHEM 210 (5)(For chemistry concentration only)
- 
1. Student must earn a cumulative GPA of 2.0 or higher overall and in all major courses.
  2. Student must complete a final exit examination.
  3. All students applying for admission must submit the following information for permanent records:
    - a. Official transcripts of all previous academic work to include credit hours achieved in lecture and laboratory courses.
    - b. Official documentation of graduation from an accredited high school, high school equivalent, or earned credits from a post-secondary institution.
    - c. Application for admission to the Forensic Science Program.
    - d. A personal statement.
    - e. Three letters of recommendation.
    - f. A formal interview with the Forensic Science faculty is required.
    - g. Transfer credit: A maximum of 60 hours of transfer credits will be accepted towards the Forensic Science degree. No credit will be accepted for science and mathematics courses taken more than ten (10) years earlier.

Fayetteville State University and Logan College of Chiropractic Medicine have entered into an educational assistance agreement to help students from populations under represented in the chiropractic health-care profession improve their academic competitiveness and facilitate their entry into and graduation from chiropractic health professional schools.

**Bachelor of Arts in Chemistry**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>120.0</b>
2.0 GPA in science and mathematics courses 24 credits in ACCT courses required beyond ACCT 211-212, of which at least 12 must be completed at FSU. Minimum grade of C required in all ACCT courses.	
<b>University College Core Curriculum</b>	<b>45.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110</b>	
<b>Critical Thinking**</b>	<b>3.0</b>

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PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 129 And MATH 130	
<b>Natural Sciences</b>	<b>8.0</b>
CHEM 140 And CHEM 160	
<b>History and Social Sciences</b>	<b>3.0</b>
<b>Select one from the following:</b> ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following:</b> ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203	
<b>Physical Education/Health Education</b>	<b>2.0</b>
<b>Select</b> HEED 112 Or two from the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>
<b>Select from:</b> History and Social Sciences options above. Humanities and Fine Arts options above. 6 credits of foreign language sequence. 3 credits of any 100- or 200-level class.	
<b>Notes</b>	
* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.	
** PHIL 110 not required for students with 60+ transfer credits.	
*** ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.	
**** Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.	
Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.	
<b>Program Requirements</b>	<b>75.0</b>
<b>Chemistry Courses</b>	<b>25.0</b>
CHEM 210 And CHEM 221 And CHEM 222 And CHEM 310 And CHEM 330 And CHEM 410 And CHEM elective	
<b>Correlative Requirements</b>	<b>24.0</b>
CSC 100 And CSC 101 And MATH 142 And MATH 241 and one sequence: PHYS 111 And PHYS 112 And PHYS 113 OR PHYS 121 And PHYS 122 And PHYS 123	
<b>Science and Mathematics Electives</b>	<b>8.0</b>
<b>Select from science or mathematics courses at 200 level or above.</b>	

**Minor** **18.0**  
 See appropriate catalog section for requirements.

**Bachelor of Science in Biology**

**Major Requirements** **Credits**

**Total Credit Hours** **123.0**

Grade of C or higher in all major courses.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 129 And MATH 130

**Natural Sciences** **8.0**

BIOL 150 (BIOL 110 may be required) And ZOOL 110

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science

*126 – Academic Programs: College of Arts and Sciences*

requirements.

**Program Requirements** 78.0

**Required Science Courses** 37.0

BIOL 150 And BIOL 200 And BIOL 320 And BIOL 330 And BIOL 350 And BIOL 430 And  
BOTN 210 And ZOOL 110 And ZOOL 350 And ZOOL 370 And ZOOL 410 And ZOOL 430

**Correlative Requirements** 16.0

CHEM 140 And CHEM 160 And PHYS 111 And PHYS 112 And 6 hours foreign language  
sequence

**Other Requirements** 22.0

**Select from the following:** BIOL 225 Or BIOL 325 Or BIOL 431 Or BIOL 490 or BICH 411  
Or BTCH 220 Or BTCH 230 Or BTCH 310 Or BTCH 340 Or BTCH 350 Or BTCH 360 Or  
BTCH 410 Or BTCH 435 Or BTCH 440 Or CHEM 210 Or CHEM 220 Or CHEM 221 Or  
CHEM 222 Or CSC 100 Or GEOL 311 Or GEOL 312 Or MATH 142 Or MEDI 200 Or PHYS  
113 Or PHYS 123 Or PHYS 302 Or STAT 202 Or ZOOL 210 Or ZOOL 230 Or ZOOL 450 Or  
ZOOL 470 Or ZOOL 485

**Electives** 3.0

**Bachelor of Science in Biology - Secondary Education**

**Major Requirements** Credits

**Total Credit Hours** 122.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in  
all education and major courses.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 129 And MATH 130

**Natural Sciences** 8.0

BIOL 150 (BIOL 110 may be required) And ZOOL 110

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or  
ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST  
211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or  
SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

**Select from:**

History and Social Sciences options above.  
 Humanities and Fine Arts options above.  
 6 credits of foreign language sequence.  
 3 credits of any 100- or 200-level class.

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **77.0**

**Required Science Courses** **29.0**

BIOL 150 And BIOL 200 And BIOL 320 And BIOL 330 And BIOL 350 And BICH 411 And BOTN 210 And ZOOL 110 And ZOOL 370 And ZOOL 410 And ZOOL 430 And GEOL 311 OR GEOL 312

**Correlative Requirements** **16.0**

CHEM 140 And CHEM 160 And PHYS 111 And CHEM 220 Or CHEM 221

**Professional Education Courses** **32.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 460 And EDUC 480 And EDUC 490 And READ 320

**Bachelor of Science in Biology with concentration in Medical Technology**

**Major Requirements** **Credits**

**Total Credit Hours** **122.0**

Students must have a GPA of 2.0 or higher for admission into this degree program.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 129 And MATH 130

**Natural Sciences** **8.0**

BIOL 150 (BIOL 110 may be required) And ZOOL 110

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**History and Social Sciences 3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts 3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education 2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives 9.0**

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements 77.0**

**Required Science Courses 39.0**

BIOL 150 And BIOL 200 And BIOL 330 And BICH 411 And CHEM 140 And CHEM 160 And CHEM 210 And STAT 202 And ZOOL 110 And ZOOL 210 And ZOOL 230 And ZOOL 410

**Select one of the following two:** CHEM 220 Or CHEM 221

**Correlative Requirements 6.0**

**Select MEDI 200 and one of the following:** BIOL 490 Or CHEM 221 Or CHEM 222 Or CSC 100 Or PHYS 111 Or PHYS 112 Or ZOOL 485

**Clinical Courses 32.0**

**To be completed at a hospital-based School of Medical Technology** MEDI 451 And MEDI 452 And MEDI 460 And MEDI 462 And MEDI 470 And MEDI 472

**Bachelor of Science in Biotechnology**

**Major Requirements Credits**

**Total Credit Hours 124.0**

Grade of C or higher in all major courses.

**University College Core Curriculum 45.0**

**Freshman Seminar/University Studies\* 2.0**



*Academic Programs: College of Arts and Sciences - 129*

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 129 And MATH 130

**Natural Sciences** 8.0

BIOL 150 (BIOL 110 may be required) And BIOL 200

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

STAT 202

3 Credits from History/Social Sciences And/Or Humanities/Fine Arts Options above

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 79.0

**Required Science Courses** 27.0

BIOL 150 And BIOL 200 And BIOL 330 And BICH 411 And BOTN 210 And BTCH 210 And BTCH 220 And BTCH 230 And BTCH 360 And BTCH 410 And BTCH 440 And BTCH 450  
OR BTCH elective

**Correlative Requirements** 28.0

CHEM 140 And CHEM 160 And CHEM 220 OR CHEM 221 And CHEM 310 And MATH 142  
And PHYS 111 OR PHYS 121 And PHYS 112 Or PHYS 122

**Biotechnology Electives** 9.0

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Select from the following: BTCH 330 Or BTCH 350 Or BTCH 425 Or BTCH 435

**Required Science Electives** 9.0

Select from the following: BICH 412 Or BIOL 350 Or BIOL 490 Or CHEM 221 Or CHEM 222 Or CHEM 400 Or PHYS 301 Or PHYS 302 Or ZOOL 370 Or ZOOL 410 Or ZOOL 430

**Required Supporting Electives** 6

Select from the following: CSC 100 Or CSC 104 Or BADM 209 Or BADM 216 Or ECON 211 Or ECON 212 Or ECON 321 Or PHIL 320 Or PHIL 370 Or STAT 400

**Bachelor of Science in Chemistry**

**Major Requirements** Credits

**Total Credit Hours** 116.0

Student must have a GPA of 2.5 or higher in all science and mathematics classes and a 2.0 overall.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 129 And MATH 130

**Natural Sciences** 8.0

CHEM 140 And CHEM 160

**History and Social Sciences** 3.0

Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>71.0</b>
<b>Chemistry Courses</b>	<b>35.0</b>
CHEM 210 And CHEM 221 And CHEM 222 And CHEM 310 And CHEM 310 And CHEM 313 And CHEM 314 And CHEM 325 And CHEM 390 And CHEM 410 And CHEM 421 And CHEM 491 And CHEM 492	
<b>Select one from the following:</b> CHEM 330 Or CHEM 400 Or CHEM 430 Or CHEM 431 Or BICH 411 Or BICH 412 Or BICH 421	
<b>Correlative Requirements</b>	<b>28.0</b>
CSC 100 And CSC 101 And MATH 142 And MATH 241 And MATH 242 And PHYS 121 And PHYS 122 And PHYS 123	
<b>Science and Mathematics Electives</b>	<b>8.0</b>
<b>Select from science or mathematics courses at 200 level or above.</b>	

**Bachelor of Science in Fire Science with concentration in Fire Investigations**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>87.0</b>
<b>University College Core Curriculum</b>	<b>48.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following:</b> UNIV 101 And UNIV 102 Or UNIV 110 Or ACA 111 And ACA 115 (ACA 111 and ACA 115 are NC Community College equivalent courses)	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120 Or ENG 111 And ENG 115 (ENG 111 and ENG 115 are NC Community College equivalent courses)	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 123 And STAT 202 Or MAT 151 And MAT 161 (MAT 151 and MAT 161 are NC Community College equivalent courses)	
<b>Natural Sciences</b>	<b>8.0</b>
FIP 229 And FIP 230 (FPI 229 amd FIP 230 are NC Community College courses)	
<b>History and Social Sciences</b>	<b>6.0</b>

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**Select two from the following:** ANTH 210 Or CRJC 200 Or SOCI 210 Or SOCI 220 Or ANT 210 Or SOC 210 Or SOC 220 (ANT 210 and SOC 210 are NC Community College Courses)

**Humanities and Fine Arts** **3.0**

**Select one from the following:** PHIL 210 Or PHIL 212 Or PHIL 220 Or PHI 215 Or PHI 230 (PHI 215 and PHI 230 are NC Community College Course)

**Physical Education/Health Education** **2.0**

**Select one from the following:** HEED 112 Or HEA 110 Or PED 110 (HEA 110 and PED 110 are NC Community College course)

**University College Restricted Electives** **9.0**

**Select two from the following:**

CRJC 200 Or ECON 200 Or POLI 220 Or PSYC 210 Or SWRK 220 Or

CJC 111 Or ECO 151 Or HUM 230 Or POL 110 Or PSY 150 And

Six credits of a foreign language sequence

(CJC 111, ECO 151, HUM 230, POL 110, PSY 150a are NC Community College courses)

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **39.0**

**Fire Investigations Concentration** **39.0**

CRJC 202 And FORS 300 And FORS 410 And FSCN 322 And FSCN 377 And PHYS 390 And

FSCN 400 And FSCN 421 And FSCN 422 And FSCN 430 And FSCN 441 And FSCN 490

Students will earn up to 84 community college credits.

**Bachelor of Science in Fire Science with concentration in Management**

**Major Requirements** **Credits**

**Total Credit Hours** **87.0**

See "Admission Requirements." Grade of C or higher in all natural sciences, fire sciences, and concentration courses.

**University College Core Curriculum** **48.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110 Or ACA 111 And ACA 115 (ACA 111 and ACA 115 are NC Community College equivalent courses)

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120 Or ENG 111 And ENG 115 (ENG 111 and ENG 115 are NC Community College equivalent courses)

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 123 And STAT 202 Or MAT 151 And MAT 161 (MAT 151 and MAT 161 are NC Community College equivalent courses)

**Natural Sciences** **8.0**

FIP 229 And FIP 230 (FPI 229 amd FIP 230 are NC Community College courses)

**History and Social Sciences** **6.0**

**Select two from the following:** ANTH 210 Or CRJC 200 Or SOCI 210 Or SOCI 220 Or ANT 210 Or SOC 210 Or SOC 220 (ANT 210 and SOC 210 are NC Community College Courses)

**Humanities and Fine Arts** **3.0**

**Select one from the following:** PHIL 210 Or PHIL 212 Or PHIL 220 Or PHI 215 Or PHI 230 (PHI 215 and PHI 230 are NC Community College Course)

**Physical Education/Health Education** **2.0**

**Select one from the following:** HEED 112 Or HEA 110 Or PED 110 (HEA 110 and PED 110 are NC Community College course)

**University College Restricted Electives** **9.0**

**Select two from the following:**

CRJC 200 Or ECON 200 Or POLI 220 Or PSYC 210 Or SWRK 220 Or

CJC 111 Or ECO 151 Or HUM 230 Or POL 110 Or PSY 150 And

Six credits of a foreign language sequence

(CJC 111, ECO 151, HUM 230, POL 110, PSY 150a are NC Community College courses)

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **39.0**

**Fire Services Management Concentration** **39.0**

ECON 310 And MGMT 420 And PSYC 290 And PSYC 350 And FSCN 377 And FSCN 400 And FSCN 406 And FSCN 412 And FSCN 422 And FSCN 430 And FSCN 441 And FSCN 490  
Students will earn up to 84 community college credits.

**Bachelor of Science in Forensic Science with concentration in Biology**

**Major Requirements** **Credits**

**Total Credit Hours** **124.0**

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

*134 – Academic Programs: College of Arts and Sciences*

<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 129 And MATH 130	
<b>Natural Sciences</b>	<b>8.0</b>
BIOL 150 And ZOOL 110	
<b>History and Social Sciences</b>	<b>3.0</b>
CRJC 200	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following:</b> ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203	
<b>Physical Education/Health Education</b>	<b>2.0</b>
<b>Select</b> HEED 112 Or two from the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>
CSC 100 And Six credits of a foreign language sequence.	

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>79.0</b>
<b>Forensic Biology Concentration</b>	<b>51.0</b>
BICH 411 And BIOL 200 And BIOL 330 And CHEM 140 And CHEM 160 And CHEM 221 And CHEM 222 And CHEM 222 And FORS 325 And FORS 431 And MATH 142 And STAT 202 And ZOOL 410 And select one of the following sequences: PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122	
<b>Forensic Science Courses</b>	<b>28.0</b>
CRJC 202 And FORS 200 And FORS 300 And FORS 400 And FORS 410 And FORS 420 And FORS 430 And FORS 440 And FORS 450	

**Bachelor of Science in Forensic Science with concentration in Chemistry**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>124.0</b>

University College Core Curriculum	45.0
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Freshman Seminar/University Studies*	2.0
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Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

Critical Thinking**	3.0
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PHIL 110

English Composition***	6.0
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ENGL 110 And ENGL 120

Speech	3.0
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SPEE 200

Mathematics****	6.0
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MATH 129 And MATH 130

Natural Sciences	8.0
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CHEM 140 And CHEM 160

History and Social Sciences	3.0
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CRJC 200

Humanities and Fine Arts	3.0
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Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

Physical Education/Health Education	2.0
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Select HEED 112 Or two from the following: PEDU 101 to PEDU 141 \*

University College Restricted Electives	9.0
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CSC 100 And

Six credits of a foreign language sequence.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>79.0</b>
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<b>Forensic Chemistry Concentration</b>	<b>51.0</b>
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CHEM 221 And CHEM 222 And CHEM 210 And CHEM 310 And CHEM 313 And CHEM 314 And CHEM 330 And CHEM 410 And MATH 142 And MATH 241 And MATH 242 And STAT 202 And PHYS 121 And PHYS 122

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**Forensic Science Courses** **28.0**

CRJC 202 And FORS 200 And FORS 300 And FORS 400 And FORS 410 And FORS 420 And FORS 430 And FORS 440

**Minor in Biology**

**Total Credit Hours** **21.0**

Grade of C or higher in all minor requirements.

BIOL 150 And BIOL 200 And BOTN 210 And ZOO 110 And six credits of BIOL or ZOO electives, excluding BIOL 110-130.

**Minor in Biotechnology for Biology Majors**

**Total Credit Hours** **22.0**

Grade of C or higher in all minor requirements.

BICH 411 And BTCH 220 And BTCH 230 And BTCH 350 And CHEM 210 And five credits selected from the following: BICH 412 Or BIOL 490 Or BTCH 425 Or BTCH 440 Or CHEM 310 Or CHEM 400 Or PHYS 302

**Minor in Biotechnology for Chemistry Majors**

**Total Credit Hours** **22.0**

Grade of C or higher in all minor requirements.

BIOL 200 And BIOL 330 And BTCH 220 And BTCH 230 And BTCH 350 And six credits selected from the following: BICH 411 Or BICH 412 Or BIOL 490 Or BTCH 425 Or BTCH 440 Or CHEM 310 Or CHEM 400 Or PHYS 302

**Minor in Chemistry**

**Total Credit Hours** **22.0**

Grade of C or higher in all minor requirements.

CHEM 140 And CHEM 160 And CHEM 210 And CHEM 221 And CHEM 222

**Minor in Physics**

**Total Credit Hours** **22.0**

Grade of C or higher in all minor requirements.

Select one sequence from the following: PHYS 111 And PHYS 112 And PHYS 113 OR PHYS 121 And PHYS 122 And PHYS 123 And 12 credits of PHYS electives

**Department of Nursing**

The Department of Nursing at Fayetteville State University (DON-FSU) was established in 1992 to provide baccalaureate education to registered nurses through a RN to BSN completion program. Graduates of the program are nurse generalists who are prepared to function in six interrelated roles: advocate, clinician, collaborator/coordinator, educator, leader, and consumer of research.



The program holds membership in the American Association of Colleges of Nursing (AACN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE), a subsidiary of AACN, and is currently on Warning Status with the North Carolina Board of Nursing, and admissions into the generic track have been suspended. The Department also holds membership in the National League for Nursing (NLN).

The educational objectives of the Bachelor of Science in Nursing (BSN) program are consistent with the mission of the Department of Nursing, the mission of Fayetteville State University, the Commission on Collegiate Nursing Education (CCNE), and the laws, rules and standards of the North Carolina Board of Nursing.

**Upon graduation from the program, students will be able to do the following:**

- a. Synthesize empirical and theoretical knowledge from nursing, the natural, social and applied sciences, and the humanities to achieve optimal health care outcomes;
- b. Demonstrate competency in assessment, nursing diagnosis, planning, implementation, and evaluation of nursing care;
- c. Collaborate with interdisciplinary teams to provide culturally competent, patient centered care to clients throughout the life cycle;
- d. Demonstrate competency in the utilization of systematic and purposeful application of the nursing process to promote the optimal health of clients throughout the life cycle in a variety of settings;
- e. Utilize the principles of economics and social justice to enhance accessibility to health care and thereby decreasing health disparities;
- f. Utilize critical thinking and ethical decision making to enhance quality improvement in the outcomes of patient care and the health care needs of the community;
- g. Integrate informatics and technological advancement into the delivery of nursing practice;
- h. Utilize knowledge and leadership skills to manage systems that are responsive to the health care needs of southeastern North Carolina, the state, the nation and the global society; and
- i. Apply research findings to support evidence-based best practices in the delivery of nursing interventions to improve health care of diverse populations.

**Upper Division Admission Requirements**

- Section 1 Prerequisite Requirements
- Section 2 Transfer Student Requirements
- Section 3 Admission Assessment Requirements

**All applicants must meet the following criteria:**

1. Admission to Fayetteville State University.
2. Submission of Nursing application to the Department of Nursing's Admission, Progression, and Retention Committee. Must be postmarked by February 1.
3. A minimum cumulative GPA of 2.8
4. Pre-Nursing courses completed with a grade of B or better.
5. Successful completion or enrollment in required prerequisite courses by February 1.
6. Health Education Systems Inc. (HESI) Admission Assessment score (Composite score of 75% and Critical Thinking score of 750).

**Section 1 Prerequisite Requirements:** Upper division admission into generic track is suspended.

All applicants must meet the following criteria:

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Successful completion or enrollment in the following prerequisite courses by February 1.

**a. Pre-Nursing courses must be completed with a grade of a B or better.**

FSU Course Number	FSU Course Title	Semester Hour
NURS 210	Professional Nursing	2
NURS 220	Therapeutic Communication	1
NURS 230	Economics in Health Care	2

**b. University Core courses:**

FSU Course Number	FSU Course Title	Semester Hours
UNIV 101	Freshman Seminar I	1
UNIV 102	Freshman Seminar II	1
ENGL 110	English Composition I	3
ENGL 120	English Composition II	3
HUMANITIES/FINE ARTS	Humanities or Fine Arts	3
PEDU/HEED	PEDU (2 credits) or HEED 112 (2 credits)	2
PHIL 210	Critical Thinking	3
PSYC 210	Introduction to Psychology	3
SPEE 200	Introduction to Speech	3
SOCI 210	Introduction to Sociology	3
Foreign Lang I	Foreign Language I	3
Foreign Lang II	Foreign Language II	3

**Prerequisites**

All applicants must meet the following criteria:

**c. Science prerequisite courses**

FSU Course Number	FSU Course Title	Semester Hours
CHEM 101*	Intro to Chemical Principals	4
CHEM 102*	Intro to Organic/Biochemistry	4
STAT 202	Basic Probability and Statistics	3
BIOL 255*	Principals of Microbiology	3

CSC 100	Introduction to Computers	3
PSYC 331	Developmental Psychology	3
ZOOL 210*	Anatomy and Physiology I	3
ZOOL 230*	Anatomy and Physiology II	3
MATH 123	College Algebra	3
HEED 420	Nutrition	3

\*Natural Sciences

**Note:** Natural science core courses completed greater than ten years prior to admission to the Upper Division must be repeated. Effective Fall 2009, Natural science core courses completed greater than five years prior to admission to the Upper Division must be repeated.

**Section 2 Transfer Student Requirements:** Upper division admission into generic track is suspended.

Transfer students are defined as students who are not admitted to Fayetteville State University as a First Time Freshman. Transfer applicants must meet the same academic criteria for admission as First Time Freshman. An applicant for transfer admission must be in good academic and social standing at any college/university which he/she is currently attending or has previously attended and must be eligible for readmission to nursing.

Applicants must submit one copy of each transcript from all accredited college/university attended since high school.

**Note:** If course credits earned at one college/university appear as transfer credits on the transcript of a second school, an official transcript from both schools issuing the course credits are required.

All prerequisite courses must appear on the student's Fayetteville State University transcript. If any prerequisite courses are listed as "Electives or Free-Electives" a Transfer Equivalency Form must be completed by the Pre-Nursing Counselor (910-672-2131) prior to submitting the application.

**Section 3 Admission Assessment Requirements:** Upper division admission into generic track is suspended.

All applicants must meet the following criteria:

All applicants must have a minimum Health Education Systems Inc. (HESI) Admission Assessment test score of 75% and a Critical Thinking score of 750 or above. Students can take the Health Education Systems Inc. (HESI) Admission Assessment test through University Testing Services (910-672-1301) on the campus at Fayetteville State University. Students are allowed to repeat the assessment test once per application year.

Disclaimer Statements:

Admission into nursing program at Fayetteville State University does not guarantee licensure by the State of North Carolina. Applicants must satisfy licensure requirements defined by law/statute and interpreted by the North Carolina Board of Nursing or other appropriate agencies.

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**All applicants must meet the following criteria:**

1. Admission to Fayetteville State University.
2. Applications are accepted July 1 for August admission and November 15 for January admission.
3. Completion of the required pre-requisite courses.
4. Official transcripts of all academic course work.
5. Current and unrestricted NC RN License.
6. Evidence of an earned Associated Degree in Nursing or a Hospital Diploma in Nursing from an accredited program.

**Bachelor of Science in Nursing - RN-BSN Track**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>125.0</b>
See "Admission Requirements."	
<b>University College Core Curriculum</b>	<b>45.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110</b>	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 123 or higher And STAT 202	
<b>Natural Sciences</b>	<b>8.0</b>
CHEM 101 And CHEM 102	
<b>History and Social Sciences</b>	<b>3.0</b>
PSYC 210	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203</b>	
<b>Physical Education/Health Education</b>	<b>2.0</b>
<b>Select HEED 112 Or two from the following: PEDU 101 to PEDU 141</b>	
<b>University College Restricted Electives</b>	<b>9.0</b>
CSC 100 And Six credits of a foreign language sequence.	

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

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\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **80.0**

**Additional Support Courses for the Major** **15.0**

BIOL 255 And PSYC 331 And SOCI 210 And ZOOL 210 And ZOOL 230 (BIOL 255, ZOOL 210, and ZOOL 230 requires BIOL 150 as pre-requisite . AP Biology with granted credit will substitute for BIOL 150.)

**Upper Division Courses (Admission to the RN-BSN Track is Required). See "Admission Requirements."** **65.0**

NURS 300 And NURS 310 And NURS 320 (Validation of previous learning accomplished through successful completion of NURS 300 and NURS 320 courses.) And NURS 325 And NURS 400 And NURS 411 And NURS 430 And NURS 450 And NURS 480 And select two from the following: NURS 330 And NURS 370 And NURS 380 And NURS 407 And NURS 421

**Department of Psychology**

The Department of Psychology offers an undergraduate degree in Psychology, which has been designed to provide students with a Liberal Arts education emphasizing the biological, individual, social, and cultural aspects of behavior. A concentration in biopsychology is also offered. Students are prepared for graduate and professional studies, as well as, for careers in various employment settings. To achieve these objectives, students are required to complete the University College Core Curriculum and at least fifty credit hours of course work in Psychology. Besides the major, students must complete a minor or a set of free elective courses in consultation with their academic advisors. The department also offers an on-line degree completion program. Students who have completed all of University College Core Requirements at another accredited institution may transfer these credits to FSU and fulfill all major requirements with on-line courses. Please see the Department of Psychology website for more information on on-line courses.

**Bachelor of Science in Psychology**

**Major Requirements** **Credits**

**Total Credit Hours** **122.0**

Grade of C or higher required in all major courses. C average required for all minor, electives, or concentration.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

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MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Psychology Courses** 50.0

PSYC 210 And PSYC 233 And PSYC 320 And PSYC 331 And PSYC 352 And PSYC 360 And PSYC 370 And PSYC 400 And PSYC 422

**Select one from the following three:** PSYC 310 Or PSYC 342 Or PSYC 381 And select one from the following two: PSYC 343 Or PSYC 430 And select one from the following two: PSYC 420 Or PSYC 421 And select one from the following four: PSYC 260 Or CSC 100 Or MIS 300 Or EDUC 210

**Major Electives**

Nine credits of PSYC electives.

**Minor or Electives** 18.0

**Free Electives** 9.0

**Other Program Requirements:**

Students must complete 50% of the major or nine psychology courses at FSU (i.e., on campus, online, evening and weekend, at Fort Bragg, or through any other FSU distance learning program).

**Bachelor of Science in Psychology with a concentration in Biopsychology**

	<b>Credits</b>
<b>Major Requirements</b>	<b>122.0</b>
<b>Total Credit Hours</b>	<b>122.0</b>
Grade of C or higher required in all major courses. C average required for all minor, electives, or concentration.	
<b>University College Core Curriculum</b>	<b>45.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following:</b> UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
<b>Select one of the following pairs of courses:</b> BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or PHYS 121 And PHYS 122 Or CHEM 140 And CHEM 160	
<b>History and Social Sciences</b>	<b>3.0</b>
<b>Select one from the following:</b> ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following:</b> ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203	
<b>Physical Education/Health Education</b>	<b>2.0</b>
<b>Select</b> HEED 112 Or two from the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>
<b>Select from:</b>	
History and Social Sciences options above.	
Humanities and Fine Arts options above.	
6 credits of foreign language sequence.	
3 credits of any 100- or 200-level class.	

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### Notes

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Psychology Courses** 59.0

PSYC 210 And PSYC 233 And PSYC 320 And PSYC 331 And PSYC 352 And PSYC 360 And PSYC 370 And PSYC 400 And PSYC 403 And PSYC 420 And PSYC 421 And PSYC 422 And PSYC 443 And PSYC 465 And PSYC 469 And PHIL 430

**Select one from the following three:** PSYC 310 Or PSYC 342 Or PSYC 381 And select one from the following two: PSYC 343 Or PSYC 430 And select one from the following four: PSYC 260 Or CSC 100 Or MIS 300 Or EDUC 210

**Minor or Electives** 18.0

### Other Program Requirements:

Students must complete 50% of the major or nine psychology courses at FSU (i.e., on campus, online, evening and weekend, at Fort Bragg, or through any other FSU distance learning program).

### Minor in Psychology

**Total Credit Hours** 18.0

Grade of C or higher in all minor requirements.

PSYC 210 And PSYC 310 And PSYC 320 And PSYC 400 And six credits of PSYC electives.

## Department of Sociology

The Department of Sociology offers two undergraduate degrees with the objectives of preparing students for teaching in secondary schools, engaging in further study at the graduate and professional levels, and pursuing entry-level careers in law enforcement, government, and the private sector. To achieve its objectives, the department requires students to complete the University College Core Curriculum and forty or more credit hours in sociology. Concentration requirements in sociology are offered for students seeking certification in social science education at the secondary level. A minor or set of free electives is required to supplement the majors and/or concentrations.

### Bachelor of Arts in Sociology

**Major Requirements** Credits

**Total Credit Hours** 120.0

The Sociology major must complete a comprehensive departmental examination in the senior year. Grade of C or higher required in all major courses. A C grade or higher must be maintained in the



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courses that are needed for the minor, electives, or concentration. An overall GPA of 2.0 or higher is required to graduate. A student must have a GPA of 2.0 or higher to declare Sociology as a major.

<b>University College Core Curriculum</b>	<b>45.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following:</b> UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
<b>Select two from the following:</b> CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122	
<b>History and Social Sciences</b>	<b>3.0</b>
<b>Select one from the following:</b> ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following:</b> ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203	
<b>Physical Education/Health Education</b>	<b>2.0</b>
<b>Select</b> HEED 112 Or two from the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>
<b>Select from:</b>	
History and Social Sciences options above.	
Humanities and Fine Arts options above.	
6 credits of foreign language sequence.	
3 credits of any 100- or 200-level class.	

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science

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requirements.

<b>Program Requirements</b>	<b>75.0</b>
<b>Sociology Courses</b>	<b>15.0</b>
SOCI 210 And SOCI 331 And SOCI 335 And SOCI 350 And SOCI 480	
<b>Restricted Electives</b>	<b>21.0</b>
<b>Select one from the following:</b> SOCI 340 Or SOCI 360 And select one from the following: SOCI 351 Or SOCI 390 And select one from the following: ANTH 210 Or SOCI 150 Or SOCI 375 And select one from the following: SOCI 330 Or SOCI 362 Or SOCI 370 Or SOCI 372 Or SOCI 380 And select one from the following: SOCI 400 Or SOCI 410 Or SOCI 412 Or SOCI 462 And select one from the following: SOCI 422 Or SOCI 430	
<b>Unrestricted Electives in Sociology</b>	<b>9.0</b>
Any courses in Sociology	
<b>Minor Electives</b>	<b>18.0</b>
See minor requirements.	
<b>Free Electives</b>	<b>12</b>

**Bachelor of Science in Social Sciences - Secondary Education with a concentration in Sociology**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>122.0</b>
Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education and major courses.	
<b>University College Core Curriculum</b>	<b>45.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following:</b> UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
NSCI 110 And NSCI 120	
<b>History and Social Sciences</b>	<b>3.0</b>
POLI 210	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following:</b> ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203	
<b>Physical Education/Health Education</b>	<b>2.0</b>

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HIST 110 And  
HIST 120 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **77.0**

**Major Courses** **27.0**

GEOG 210 And HIST 211 And HIST 212 And HIST 311 And HIST 312 And SOCI 210 And SOCI 333

**Select one from the following:** ANTH 210 Or SOCI 150 Or SOCI 375 And select one from the following: ECON 200 Or ECON 211 Or ECON 212

**Concentration Courses** **21.0**

SOCI 331 And SOCI 335 And SOCI 350 And any SOCI elective. Select one from the following: SOCI 340 Or SOCI 360 And select one from the following: SOCI 351 Or SOCI 390 And select one from the following: SOCI 412 Or SOCI 462

**Professional Education Courses** **29.0**

EDUC 211 And EDUC 310 And EDUC 330 And EDUC 421 And EDUC 450 And EDUC 460 And EDUC 480 And EDUC 490 And READ 320

**Minor in Social Work**

**Total Credit Hours** **21.0**

Grade of C or higher in all minor requirements.

SWRK 230 And SWRK 330 And SWRK 340 And SWRK 400 And SWRK 410 And SWRK 425 And SWRK 450

**Minor in Sociology**

**Total Credit Hours** **18.0**

Grade of C or higher in all minor requirements.

SOCI 210 And SOCI 340 And SOCI 350 And SOCI 412 And six credits of SOCI electives.

### Department of the Performing and Fine Arts

The Department of Performing and Fine Arts seeks to foster in students a lifelong appreciation for and knowledge of the performing and fine arts. Degree programs offered by the department are designed to prepare students for success as teachers, performers, and creative artists. The department offers programs of study leading to degrees in Art Education, Communication, Music, Music Education, Speech and Theatre, and Visual Arts.

The Department offers courses in Humanities and also offers minors in Communication, General Studies, Music, and Visual Arts. In conjunction with the School of Education, the Department of Performing and Fine Arts offers a teaching degree in Music Education.

The B.S. degree programs provide students with the training in general education, music, and professional education necessary to work effectively as music educators and art educators in grades K-12. Students may choose a concentration in vocal, keyboard, or instrumental music. The curricula and instruction in these programs provide students with a broad comprehension of the role of the professional educator as a facilitator of learning.

#### **Bachelor of Arts in Communication with concentration in Mass Communication**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>120.0</b>
<b>University College Core Curriculum</b>	<b>45.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following:</b> UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
<b>Select two from the following:</b> CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122	
<b>History and Social Sciences</b>	<b>3.0</b>
<b>Select one from the following:</b> ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following:</b> ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL	

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220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **75.0**

**Core Courses for the Major** **30.0**

COMM 205 And COMM 210 And COMM 235 And COMM 385 And SPEE 210 And SPEE 225  
And SPEE 332 And SPEE 390 And SPEE 430 And COMM 490

**Mass Communication Concentration** **18.0**

**Select 18 credits from the following:** COMM 320 Or COMM 330 Or COMM 350 Or COMM 360 Or COMM 380 Or COMM 390 Or COMM 410 Or COMM 420 Or COMM 430 Or COMM 440 Or COMM 450 Or COMM 460

**Internship** **3.0**

**Select one of the following:** COMM 410 Or COMM 420

**Minor or Electives** **18.0**

**Foreign Language** **6**

**Bachelor of Arts in Communication with concentration in Speech**

**Major Requirements** **Credits**

**Total Credit Hours** **120.0**

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

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ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or  
ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or  
CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or  
ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST  
211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or  
SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students  
with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required  
based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science  
requirements.

**Program Requirements** 75.0

**Core Courses for the Major** 30.0

COMM 205 And COMM 210 And COMM 235 And COMM 385 And SPEE 210 And SPEE 225  
And SPEE 332 And SPEE 390 And SPEE 430 And SPEE 490

**Speech Concentration** 18.0

**Select 18 credits from the following:** SPEE 211 Or SPEE 240 Or SPEE 310 Or SPEE 315 Or  
SPEE 321 Or SPEE 340 Or SPEE 401 Or SPEE 402 Or SPEE 413 Or SPEE 425 Or SPEE 435

**Internship** 3.0

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Select one of the following: COMM 410 Or COMM 420

**Minor or Electives** 18.0

**Foreign Language** 6

**Bachelor of Arts in Music with a concentration in Instrumental**

**Major Requirements** Credits

**Total Credit Hours** 125.0

A placement test in music theory and performance is required before enrolling in any courses as a major. Grade of C or higher is required in all music courses. Students must give a senior recital in the semester before graduation. Please consult music program handbook for additional information.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

Select two from the following: CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

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**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **80.0**

**Music Courses** **35.0**

MUSI 100 And MUSI 102 And MUSI 152 And MUSI 201 And MUSI 202 And MUSI 281 And MUSI 292 And MUSI 351 And MUSI 352 And MUSI 354 And MUSI 381 And MUS 391 And MUSI 431 And MUSI 462 And MUSI 499

**Select one of the following two:** MUSI 225 OR MUSI 260 And select one of the following two: MUSI 394 Or MUSI 396 And select one from following four: MUSI 420 Or MUSI 430 Or MUSI 440 Or MUSI 491

**Applied Instrumental Courses** **8.0**

**Select appropriate sequence from the following:**\* MUSI 167 And MUSI 267 And MUSI 367 And MUSI 467 Or MUSI 173 And MUSI 273 And MUSI 373 And MUSI 473 Or MUSI 179 And MUSI 279 And MUSI 379 And MUSI 479 Or MUSI 175 And MUSI 275 And MUSI 375 And MUSI 475 (Each course in sequence must be completed two times.)

**Ensemble Requirements** **7.0**

**Courses repeated for credit; select from the following:** MUSI 115 OR MUSI 120 Or MUS 130 Or MUSI 140 Or MUSI 160 Or MUSI 191 Or MUSI 192

**Music Electives** **9.0**

**Free Electives** **21**

**Bachelor of Arts in Music with a concentration in Keyboard**

**Major Requirements** **Credits**

**Total Credit Hours** **125.0**

A placement test in music theory and performance is required before enrolling in any courses as a major. Grade of C or higher is required in all music courses. Students must give a senior recital in the semester before graduation. Please consult music program handbook for additional information.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**



SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **80.0**

**Music Courses** **35.0**

MUSI 100 And MUSI 102 And MUSI 152 And MUSI 201 And MUSI 202 And MUSI 281 And MUSI 292 And MUSI 351 And MUSI 352 And MUSI 354 And MUSI 381 And MUS 391 And MUSI 431 And MUSI 462 And MUSI 499

**Select one of the following two:** MUSI 225 OR MUSI 260 And select one of the following two: MUSI 394 Or MUSI 396 And select one from following four: MUSI 420 Or MUSI 430 Or MUSI 440 Or MUSI 491

**Applied Keyboard Courses** **8.0**

**Select appropriate sequence from the following:\*** MUSI 169 And MUSI 269 And MUSI 369 And MUSI 389 Or MUSI 171 And MUSI 271 And MUSI 371 And MUSI 471 (Each course in

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sequence must be completed two times.)

**Ensemble Requirements** 7.0

Course repeated for credit: MUSI 110

**Music Electives** 9.0

**Free Electives** 21

**Bachelor of Arts in Music with a concentration in Voice**

**Major Requirements** Credits

**Total Credit Hours** 125.0

A placement test in music theory and performance is required before enrolling in any courses as a major. Grade of C or higher is required in all music courses. Students must give a senior recital in the semester before graduation. Please consult music program handbook for additional information.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

Select two from the following: CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.  
6 credits of foreign language sequence.  
3 credits of any 100- or 200-level class.

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **80.0**

**Music Courses** **35.0**

MUSI 100 And MUSI 102 And MUSI 152 And MUSI 201 And MUSI 202 And MUSI 281 And MUSI 292 And MUSI 351 And MUSI 352 And MUSI 354 And MUSI 381 And MUS 391 And MUSI 431 And MUSI 462 And MUSI 499

**Select one of the following two:** MUSI 225 OR MUSI 260 And select one of the following two: MUSI 394 Or MUSI 396 And select one from following four: MUSI 420 Or MUSI 430 Or MUSI 440 Or MUSI 491

**Applied Voice Courses** **8.0**

MUSI 177 And MUSI 277 And MUSI 377 And MUSI 477 (Each course must be completed two times.)

**Ensemble Requirements** **7.0**

**Course repeated for credit:** MUSI 110

**Music Electives** **9.0**

**Free Electives** **21**

**Bachelor of Arts in Speech-Theatre with a concentration in Speech**

**Major Requirements** **Credits**

**Total Credit Hours** **120.0**

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

*156 – Academic Programs: College of Arts and Sciences*

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 75.0

**Major Courses** 34.0

COMM 205 And SPEE 201 (SPEE 201 must be completed four times.) And SPEE 212 And SPEE 311 And SPEE 420 And THEA 203 And THEA 337

**Speech Concentration: Select four from the following:** SPEE 210 Or SPEE 211 Or SPEE 240 Or SPEE 310 Or SPEE 321 Or SPEE 340 Or SPEE 401 Or SPEE 402 Or SPEE 413

**Minor Courses** 18.0

**See appropriate catalog section for requirements of minor.**

**Foreign Language Sequence** 6.0

**Free Electives** 17.0

**Bachelor of Arts in Speech-Theatre with a concentration in Telecommunication**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>120.0</b>

University College Core Curriculum	45.0
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Freshman Seminar/University Studies*	2.0
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Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

Critical Thinking**	3.0
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PHIL 110

English Composition***	6.0
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ENGL 110 And ENGL 120

Speech	3.0
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SPEE 200

Mathematics****	6.0
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MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

Natural Sciences	8.0
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Select two from the following: CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

History and Social Sciences	3.0
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Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

Humanities and Fine Arts	3.0
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Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

Physical Education/Health Education	2.0
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Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

University College Restricted Electives	9.0
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Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

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Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 75.0

**Major Courses** 34.0

COMM 205 And SPEE 201 (SPEE 201 must be completed four times.) And SPEE 212 And SPEE 311 And SPEE 420 And THEA 203 And THEA 337

**Telecommunications Concentration: Select from the following:** COMM 210 Or COMM 320 Or COMM 330 Or COMM 350 Or COMM 360 Or COMM 380 Or COMM 390 Or COMM 410 Or COMM 420 Or COMM 430 Or COMM 440 Or COMM 450 Or COMM 460

**Minor Courses** 18.0

See appropriate catalog section for requirements of minor.

**Foreign Language Sequence** 6.0

**Free Electives** 17.0

**Bachelor of Arts in Speech-Theatre with a concentration in Theatre**

**Major Requirements** Credits

**Total Credit Hours** 120.0

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

Select two from the following: CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260

Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **75.0**

**Major Courses** **34.0**

COMM 205 And SPEE 201 (SPEE 201 must be completed four times.) And SPEE 212 And SPEE 311 And SPEE 420 And THEA 203 And THEA 337

**Theatre Concentration: Select four from the following:** THEA 221 Or THEA 222 Or THEA 306 Or THEA 316 Or THEA 320 Or THEA 333 Or THEA 334 Or THEA 402 Or THEA 403 Or THEA 411 Or THEA 413 Or THEA 414 Or THEA 420 Or THEA 421

**Minor Courses** **18.0**

See appropriate catalog section for requirements of minor.

**Foreign Language Sequence** **6.0**

**Free Electives** **17.0**

**Bachelor of Arts in Visual Arts with a concentration in Art History**

**Major Requirements** **Credits**

**Total Credit Hours** **121.0**

A portfolio review is required to admission to the program. Grade of C or higher in all major and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

*160 – Academic Programs: College of Arts and Sciences*

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or  
ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or  
CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or  
ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST  
211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or  
SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 76.0

**Art Courses** 37.0

ART 110 And ART 121 And ART 123 And ART 212 And ART 223 And ART 230 And ART 231  
And ART 321 And ART 322 And ART 353 And ART 400 And ART 410 And ART 442

**Art History Courses** 21.0

ART 340 And ART 361 And ART 362 And ART 365 And ART 381 And ART 462 And ART 450

**Electives** 18.0



*Academic Programs: College of Arts and Sciences - 161*

**Bachelor of Arts in Visual Arts with a concentration in Ceramics**

**Major Requirements** **Credits**

**Total Credit Hours** **121.0**

A portfolio review is required to admission to the program. Grade of C or higher in all major and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

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\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 76.0

**Art Courses** 37.0

ART 110 And ART 121 And ART 123 And ART 212 And ART 223 And ART 230 And ART 231  
And ART 321 And ART 322 And ART 353 And ART 400 And ART 410 And ART 442

**Ceramics Courses** 21.0

ART 371 And ART 372 And ART 430 And ART 431 And ART 452 And ART 453 And ART 450

**Electives** 18.0

### **Bachelor of Arts in Visual Arts with a concentration in Graphics**

**Major Requirements** Credits

**Total Credit Hours** 121.0

A portfolio review is required to admission to the program. Grade of C or higher in all major and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or  
ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or  
CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or  
ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST  
211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or  
SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **76.0**

**Art Courses** **37.0**

ART 110 And ART 121 And ART 123 And ART 212 And ART 223 And ART 230 And ART 231  
And ART 321 And ART 322 And ART 353 And ART 400 And ART 410 And ART 442

**Graphics Courses** **21.0**

ART 222 And ART 226 And ART 330 And ART 352 And ART 391 And ART 440 And ART 481

**Electives** **18.0**

**Bachelor of Arts in Visual Arts with a concentration in Painting**

**Major Requirements** **Credits**

**Total Credit Hours** **121.0**

A portfolio review is required to admission to the program. Grade of C or higher in all major and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

**164 – Academic Programs: College of Arts and Sciences**

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 76.0

**Art Courses** 37.0

ART 110 And ART 121 And ART 123 And ART 212 And ART 223 And ART 230 And ART 231 And ART 321 And ART 322 And ART 353 And ART 400 And ART 410 And ART 442

**Painting Courses** 21.0

ART 222 And ART 331 And ART 412 And ART 413 And ART 414 And ART 440 And ART 450

**Electives** 18.0

**Bachelor of Arts in Visual Arts with a concentration in Printmaking**

**Major Requirements** Credits

**Total Credit Hours** 121.0

A portfolio review is required to admission to the program. Grade of C or higher in all major and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU.

**University College Core Curriculum** 45.0

*Academic Programs: College of Arts and Sciences - 165*

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

Select two from the following: CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 76.0

**Art Courses** 37.0

ART 110 And ART 121 And ART 123 And ART 212 And ART 223 And ART 230 And ART 231

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And ART 321 And ART 322 And ART 353 And ART 400 And ART 410 And ART 442

**Printmaking Courses** 21.0

ART 222 And ART 330 And ART 343 And ART 355 And ART 433 And ART 434 And ART 440

**Electives** 18.0

**Bachelor of Arts in Visual Arts with a concentration in Sculpture**

**Major Requirements** Credits

**Total Credit Hours** 121.0

A portfolio review is required to admission to the program. Grade of C or higher in all major and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **76.0**

**Art Courses** **37.0**

ART 110 And ART 121 And ART 123 And ART 212 And ART 223 And ART 230 And ART 231  
And ART 321 And ART 322 And ART 353 And ART 400 And ART 410 And ART 442

**Sculpture Courses** **21.0**

ART 371 And ART 372 And ART 471 And ART 472 And ART 473 And ART 474 And ART 450

**Electives** **18.0**

**Bachelor of Science in Art Education with a concentration in Ceramics**

**Major Requirements** **Credits**

**Total Credit Hours** **123.0**

A portfolio review is required to admission to the program. Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all major, teacher education, and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU. EDUC 210 and 211 must be completed in the second year. Admission to Teacher Education required before enrolling in EDUC 421, 450, 460, 480, 490, and READ 320.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or  
ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or  
CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**

**168 – Academic Programs: College of Arts and Sciences**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HUMN 211 And

HUMN 212 And

One course selected from Humanities and Fine Arts options or History and Social Science options or any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **78.0**

**Art Courses** **37.0**

ART 110 And ART 121 And ART 123 And ART 212 And ART 223 And ART 230 And ART 231 And ART 321 And ART 322 And ART 353 And ART 400 And ART 410 And ART 442

**Ceramics Courses** **6.0**

**Select two courses from the following:** ART 371 Or ART 372 Or ART 430 Or ART 431 Or ART 452 Or ART 453 Or ART 450

**Professional Education Courses** **32.0**

EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And ART 380 And EDUC 480 And EDUC 490 And READ 320 And SPED 320

**Free Electives** **3.0**

**Bachelor of Science in Art Education with a concentration in Graphics**

**Major Requirements** **Credits**

**Total Credit Hours** **123.0**

A portfolio review is required to admission to the program. Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all major, teacher education, and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU. EDUC 210 and 211 must be completed in the second year. Admission to



*Academic Programs: College of Arts and Sciences - 169*

Teacher Education required before enrolling in EDUC 421, 450, 460, 480, 490, and READ 320.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HUMN 211 And

HUMN 212 And

One course selected from Humanities and Fine Arts options or History and Social Science options or any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **78.0**

*170 – Academic Programs: College of Arts and Sciences*

**Art Courses** 37.0

ART 110 And ART 121 And ART 123 And ART 212 And ART 223 And ART 230 And ART 231  
And ART 321 And ART 322 And ART 353 And ART 400 And ART 410 And ART 442

**Graphics Courses** 6.0

**Select two courses from the following:** ART 222 Or ART 226 Or ART 330 Or ART 352 Or  
ART 391 Or ART 440 Or ART 481

**Professional Education Courses** 32.0

EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450  
And ART 380 And EDUC 480 And EDUC 490 And READ 320 And SPED 320

**Free Electives** 3.0

**Bachelor of Science in Art Education with a concentration in Painting**

**Major Requirements** Credits

**Total Credit Hours** 123.0

A portfolio review is required to admission to the program. Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all major, teacher education, and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU. EDUC 210 and 211 must be completed in the second year. Admission to Teacher Education required before enrolling in EDUC 421, 450, 460, 480, 490, and READ 320.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or  
ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or  
CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or  
ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST  
211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or  
SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

*Academic Programs: College of Arts and Sciences - 171*

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HUMN 211 And

HUMN 212 And

One course selected from Humanities and Fine Arts options or History and Social Science options or any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 78.0

**Art Courses** 37.0

ART 110 And ART 121 And ART 123 And ART 212 And ART 223 And ART 230 And ART 231 And ART 321 And ART 322 And ART 353 And ART 400 And ART 410 And ART 442

**Painting Courses** 6.0

Select two courses from the following: ART 222 Or ART 331 Or ART 412 Or ART 413 Or ART 414 Or ART 440 Or ART 450

**Professional Education Courses** 32.0

EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And ART 380 And EDUC 480 And EDUC 490 And READ 320 And SPED 320

**Free Electives** 3.0

**Bachelor of Science in Art Education with a concentration in Printmaking**

**Major Requirements** Credits

**Total Credit Hours** 123.0

A portfolio review is required to admission to the program. Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all major, teacher education, and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU. EDUC 210 and 211 must be completed in the second year. Admission to Teacher Education required before enrolling in EDUC 421, 450, 460, 480, 490, and READ 320.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

*172 – Academic Programs: College of Arts and Sciences*

**Speech** 3.0  
SPEE 200

**Mathematics\*\*\*\*** 6.0  
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0  
**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or  
ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or  
CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0  
**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or  
ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST  
211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or  
SWRK 220

**Humanities and Fine Arts** 3.0  
**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0  
**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0  
HUMN 211 And  
HUMN 212 And  
One course selected from Humanities and Fine Arts options or History and Social Science options  
or any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students  
with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required  
based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science  
requirements.

**Program Requirements** 78.0

**Art Courses** 37.0

ART 110 And ART 121 And ART 123 And ART 212 And ART 223 And ART 230 And ART 231  
And ART 321 And ART 322 And ART 353 And ART 400 And ART 410 And ART 442

**Printmaking Courses** 6.0

**Select two courses from the following:** ART 222 Or ART 330 Or ART 343 Or ART 355 Or  
ART 433 Or ART 434 Or ART 440

**Professional Education Courses** 32.0

EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450  
And ART 380 And EDUC 480 And EDUC 490 And READ 320 And SPED 320

**Free Electives** **3.0**

**Bachelor of Science in Art Education with a concentration in Sculpture**

**Major Requirements** **Credits**

**Total Credit Hours** **123.0**

A portfolio review is required to admission to the program. Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all major, teacher education, and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU. EDUC 210 and 211 must be completed in the second year. Admission to Teacher Education required before enrolling in EDUC 421, 450, 460, 480, 490, and READ 320.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HUMN 211 And

HUMN 212 And

One course selected from Humanities and Fine Arts options or History and Social Science options or any 100- or 200-level class.

*174 – Academic Programs: College of Arts and Sciences*

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **78.0**

**Art Courses** **37.0**

ART 110 And ART 121 And ART 123 And ART 212 And ART 223 And ART 230 And ART 231 And ART 321 And ART 322 And ART 353 And ART 400 And ART 410 And ART 442

**Sculpture Courses** **6.0**

**Select two courses from the following:** ART 371 Or ART 372 Or ART 471 Or ART 472 Or ART 473 Or ART 474 Or ART 450

**Professional Education Courses** **32.0**

EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And ART 380 And EDUC 480 And EDUC 490 And READ 320 And SPED 320

**Free Electives** **3.0**

**Bachelor of Science in Music Education (K-12) with a concentration in Instrumental**

**Major Requirements** **Credits**

**Total Credit Hours** **126.0**

A placement test in music theory and performance is required before enrolling in first semester classes. Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all music courses and all education courses. Student must give a senior recital in the semester before student teaching. EDUC 210 and 211 must be completed in the second year. Admission to Teacher Education required before enrolling in EDUC 421, 450, 460, 480, 490, and READ 320.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **81.0**

**Music Courses** **34.0**

MUSI 152 And MUSI 241 And MUSI 242 And MUSI 281 And MUSI 292 And MUSI 341 And MUSI 342 And MUSI 351 And MUSI 352 And MUSI 354 And MUSI 381 And MUSI 431 And MUSI 441 And MUSI 499

MUSI 102 And MUSI 201 And MUSI 202 And MUSI 251 And MUSI 396

**Applied Instrumental Courses** **8.0**

**Select appropriate sequence from the following:**\* MUSI 167 And MUSI 267 And MUSI 367 And MUSI 467 Or MUSI 173 And MUSI 273 And MUSI 373 And MUSI 473 Or MUSI 179 And MUSI 279 And MUSI 379 And MUSI 479 Or MUSI 175 And MUSI 275 And MUSI 375 And MUSI 475 (Each course in sequence must be completed two times.)

**Ensemble Requirements** **7.0**

**Courses repeated for credit; select from the following:** MUSI 115 OR MUSI 120 Or MUS 130 Or MUSI 140 Or MUSI 160 Or MUSI 191 Or MUSI 192

**Professional Education Courses** **32.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 460 And EDUC 480 And EDUC 490 And READ 320

*176 – Academic Programs: College of Arts and Sciences*

**Bachelor of Science in Music Education (K-12) with a concentration in Keyboard**

**Major Requirements** **Credits**

**Total Credit Hours** **123.0**

A placement test in music theory and performance is required before enrolling in first semester classes. Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all music courses and all education courses. Student must give a senior recital in the semester before student teaching. EDUC 210 and 211 must be completed in the second year. Admission to Teacher Education required before enrolling in EDUC 421, 450, 460, 480, 490, and READ 320.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.



*Academic Programs: College of Arts and Sciences - 177*

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 78.0

**Music Courses** 31.0

MUSI 152 And MUSI 241 And MUSI 242 And MUSI 281 And MUSI 292 And MUSI 341 And MUSI 342 And MUSI 351 And MUSI 352 And MUSI 354 And MUSI 381 And MUSI 431 And MUSI 441 And MUSI 499

MUSI 251 And MUSI 396

**Applied Keyboard Courses** 8.0

**Select appropriate sequence from the following:**\* MUSI 169 And MUSI 269 And MUSI 369 And MUSI 389 Or MUSI 171 And MUSI 271 And MUSI 371 And MUSI 471 (Each course in sequence must be completed two times.)

**Ensemble Requirements** 7.0

**Course repeated for credit:** MUSI 110

**Professional Education Courses** 32.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 460 And EDUC 480 And EDUC 490 And READ 320

**Bachelor of Science in Music Education (K-12) with a concentration in Voice**

**Major Requirements** Credits

**Total Credit Hours** 125.0

A placement test in music theory and performance is required before enrolling in first semester classes. Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all music courses and all education courses. Student must give a senior recital in the semester before student teaching. EDUC 210 and 211 must be completed in the second year. Admission to Teacher Education required before enrolling in EDUC 421, 450, 460, 480, 490, and READ 320.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

*178 – Academic Programs: College of Arts and Sciences*

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or ECON 211 Or ECON 212 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or PSYC 210 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **80.0**

**Music Courses** **33.0**

MUSI 152 And MUSI 241 And MUSI 242 And MUSI 281 And MUSI 292 And MUSI 341 And MUSI 342 And MUSI 351 And MUSI 352 And MUSI 354 And MUSI 381 And MUSI 431 And MUSI 441 And MUSI 499

MUSI 102 And MUSI 201 And MUSI 202 And MUSI 394

**Applied Voice Courses** **8.0**

MUSI 177 And MUSI 277 And MUSI 377 And MUSI 477 (Each course must be completed two times.)

**Ensemble Requirements** **7.0**

**Course repeated for credit:** MUSI 110

**Professional Education Courses** **32.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 460 And EDUC 480 And EDUC 490 And READ 320

**Minor in Music**

**Total Credit Hours** **23.0**

Grade of C or higher in all minor requirements.

MUSI 152 And MUSI 210 And MUSI 281 And six credits of MUSI electives. And four credits of Ensemble.\* And four credits of applied music.\*

**Minor in Speech-Theatre**

**Total Credit Hours** 18.0

Grade of C or higher in all minor requirements.

COMM 205 And SPEE 212 And SPEE 310 And SPEE 311 And THEA 203 And THEA 337

**Minor in Telecommunications**

**Total Credit Hours** 18.0

Grade of C or higher in all minor requirements.

COMM 205 And COMM 210 And COMM 320 And COMM 330 And COMM 360 And COMM 450

**Minor in Visual Arts**

**Total Credit Hours** 21.0

Grade of C or higher in all minor requirements.

ART 110 And ART 121 And ART 123 And ART 231 And ART 322 And one course selected from the following: ART 212 Or ART 230 Or ART 311 Or ART 353 Or ART 440

## School of Business and Economics

The School of Business and Economics is dedicated to providing quality business education to a diverse student population. The School prepares students to meet the challenges of a changing environment and to compete in a global market. This is accomplished by supplementing the University's strong teaching emphasis with research and a curriculum that reflects the changing market conditions. The School also assists in regional economic transformation by promoting entrepreneurial and economic education.

The School of Business and Economics is authorized to offer Bachelor of Science degrees in six undergraduate programs.

Prior to taking advanced courses toward a Bachelor of Science degree in a business discipline:

1. A student must have completed a minimum of 30 credit hours with a minimum grade point average required by the program.
2. A declaration of major form must be completed, submitted, and approved.
3. A student must have completed the following courses with no grade lower than a C: ACCT 211, ECON 211 or ECON 212, BADM 214, BADM 215, BADM 216.

If you do not meet the requirements to be admitted into the School of Business and Economics, you may declare a Pre-Business major in any of the following degree programs:

- Pre-Accounting
- Pre-Business Administration with a Concentration in:
  - General Business
  - Health Care Management
  - Entrepreneurship
  - Management
  - Marketing
  - Management Information Systems
- Pre-Banking and Finance
- Pre-Management Information Systems

### Department of Accounting

#### Degrees:

- Bachelor of Science in Accounting

#### Certificate Programs

- Certificate Program in Accounting

#### Minors

- Minor in Accounting for Business Majors
- Minor in Accounting for Non-Business Majors
- Minor in Legal Studies in Business for Non-Business Majors

**Department of Finance Economics Entrepreneurship and Marketing**

**Degrees:**

- Bachelor of Science in Banking and Finance
- Bachelor of Science in Business Administration with a concentration in Entrepreneurship
- Bachelor of Science in Business Administration with a concentration in Marketing

**Minors**

- Minor in Economics for Business Majors
- Minor in Economics for Non-Business Majors
- Minor in Entrepreneurship for Non-Business Majors
- Minor in Finance for Non-Business Majors
- Minor in Marketing for Non-Business Majors

**Department of Management**

**Degrees:**

- Bachelor of Science in Business Administration with a concentration in General Business
- Bachelor of Science in Business Administration with a concentration in Healthcare Management
- Bachelor of Science in Business Administration with a concentration in Management
- Bachelor of Science in Business Administration with a concentration in Management Information Systems
- Bachelor of Science in Management Information Systems

**Minors**

- Minor in General Business Administration for Non-Business Majors
- Minor in Healthcare Management for All Majors
- Minor in Management for Non-Business Majors
- Minor in Management Information Systems for All Majors

**Department of Accounting**

The Bachelor of Science degree program in Accounting is designed to offer professional education to qualified students who seek careers in the field of accounting. The program emphasizes the learning of the concepts and practices of accounting along with the development of analytical skills in areas of data processing, management, mathematics, and statistics. This program requires a curriculum with a minimum of 122 hours of approved courses, with a minimum of 30 semester hours in Accounting. The program includes courses in the School of Business and Economics, University College, Business Administration, Economics, and Accounting.

A student successfully completing the program should qualify for entry-level professional accounting jobs in business, government, and public accounting, as well as for continued advanced study in accounting and business.

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The Department of Accounting also offers a certificate program in Accounting. This post-baccalaureate program enables accounting students to meet the North Carolina Board of Accountancy and the American Institute of Certified Public Accountants (AICPA) 150 requirements to qualify for CPA certification.

1. Accounting majors must have least a GPA of 2.5 in accounting courses for graduation.
2. Advanced Managerial Accounting, ACCT 310, is not open to Accounting majors.
3. For enrollment in 300- and 400-level Accounting courses, students must have a GPA of 3.0 or better in ACCT 211 and ACCT 212.

**Bachelor of Science in Accounting**

**Major Requirements** **Credits**

**Total Credit Hours** **122.0**

See "Admission and Graduation Requirements" for School of Business and Economics. Minimum GPA of 2.5 required in accounting courses. ACCT 310 is not open to Accounting majors. GPA of 3.0 in ACCT 211 and ACCT 212 required for enrollment in 300- and 400-level accounting courses. BADM 450 and COOP courses are not available as accounting electives.

**University College Core Curriculum** **46.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **7.0**

MATH 123 And MATH 140

**Natural Sciences** **8.0**

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

ECON 211 And  
ECON 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **76.0**

**Program Requirements** **61.0**

ACCT 211 And ACCT 212 And ACCT 300 And ACCT 311 And ACCT 312 And ACCT 320 And ACCT 321 And ACCT 411 And ACCT 412 And ACCT 422 And BADM 209 And BADM 214 And BADM 215 And BADM 216 And BADM 412 And FINC 311 And MGMT 311 And MGMT 335 And MGMT 470 And MKTG 311 And ACCT 300-499

**Free Electives** **15.0**

**Post-Baccalaureate Certificate in Accounting**

**Total Credit Hours** **30.0**

Grade of C or higher in all minor requirements. Fifteen credits of approved ACCT electives. And Six credits of CSC electives. And Nine credits of approved electives.

Minor in Accounting for Business Majors

**Total Credit Hours** **12.0**

Grade of B or higher in ACCT 211 and ACCT 212 plus an overall GPA of 2.5 or higher. Students must have a GPA of 2.5 or higher in Accounting courses to receive the Accounting minor.

ACCT 311 And ACCT 312 And two of the following: ACCT 320 Or ACCT 321 Or ACCT 411 Or ACCT 412 Or ACCT 422 Or BADM 412

**Minor in Accounting for Non-Business Majors**

**Total Credit Hours** **18.0**

Grade of C or higher in ACCT 211 and ECON 212 plus an overall minor GPA of 2.5 or higher.

ACCT 211 And ECON 212 And ACCT 311 And ACCT 312 And two 300-400 level ACCT courses.

**Minor in Legal Studies in Business for Non-Business Majors**

**Total Credit Hours** **18.0**

Grade of C or higher in ACCT 211 and ECON 211 or ECON 212 plus an overall minor GPA of 2.0 or higher.

ACCT 211 And BADM 209 And BADM 412 And two sections of BADM 490 (special topics) And ECON 211 Or ECON 212

### Department of Finance Economics Entrepreneurship and Marketing

The Department offers three different baccalaureate programs: (1) Bachelor of Science in Banking and Finance; (2) Bachelor of Science in Business Administration with a concentration in Entrepreneurship; (3) Bachelor of Science in Business Administration with a concentration in Marketing. The Department also offers a 15 credit hour Minor in Economics for business students and an 18 credit hour Minor in Economics for non-business students.

The Bachelor of Science in Banking and Finance is designed to provide students with the practical and analytical skills required to pursue successful careers in both the private and public sectors. Graduates will have a sound understanding of financial concepts, financial instruments, financial institutions, and the techniques that are employed in the finance profession. Upon graduation from the program, Banking and Finance majors are poised for entry-level positions in financial management, commercial and investment banking, investments, insurance, real estate, financial planning, and government service. The program also provides a solid foundation for those students who are interested in pursuing graduate studies in finance, business, or law. To qualify for the Bachelor of Science in Banking and Finance, students must obtain a GPA of 2.0 or higher in their major courses.

The Bachelor of Science in Business Administration with a concentration in Entrepreneurship is designed to provide students with the training and knowledge that they need to launch new businesses and/or to develop new entrepreneurial ventures within existing firms. The curriculum focuses (1) on the identification of new business ideas and opportunities and (2) on developing the skills that are needed to evaluate the likely risks and rewards of new ventures. Upon graduation from the program, Entrepreneurship majors should be able to design a solid and coherent business plan which assesses the likely strengths and weaknesses of a new venture and also outlines how to deal with some of the potential opportunities and challenges that it will face.

The Bachelor of Science degree in Business Administration with a concentration in Marketing is designed to provide students with a broad knowledge of the various aspects of the marketing profession and strong career opportunities. Through core curriculum courses, various courses from management, economics, finance, computer applications, accounting and the marketing curriculum, the degree prepares students for a variety of industry and government career paths. The curriculum addresses such marketing functions as sales, retail management, marketing research, industrial marketing, marketing communication, and international marketing. The marketing curriculum is designed to provide the conceptual, quantitative, analytical, computer, and technological skills that will be necessary to succeed in industry, government, and/or graduate school.

The Minor in Economics requires 15 hours of selected economics courses for students majoring in a business discipline and 18 hours of selected economics courses for non-business majors.

#### **Bachelor of Science in Banking and Finance**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>122.0</b>
See "Admission and Graduation Requirements" for School of Business and Economics.	
<b>University College Core Curriculum</b>	<b>46.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110</b>	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>



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ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 7.0

MATH 123 And MATH 140

**Natural Sciences** 8.0

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

ECON 211 And

ECON 212 And

PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 76.0

**Required Business Courses** 55.0

ACCT 211 And ACCT 212 And BADM 209 And BADM 214 And BADM 215 And BADM 216 And FINC 311 And FINC 320 And FINC 410 And FINC 420 And MIS 300 And MGMT 311 And MGMT 335 And MGMT 470 and MKTG 311 And ECON 300-499 And one of the following: FINC 323 Or ECON 322 And one of the following: ECON 351 Or FINC 354

**Banking and Finance Electives** 9.0

**Select one from the following:** ECON 315 Or ECON 316 Or FINC 315 Or FINC 330 Or FINC 340 Or FINC 350 And select two from the following: FINC 411 Or FINC 412 Or FINC 430 Or FINC 431 Or FINC 440 Or FINC 450 Or FINC 453 Or FINC 460

**Free Electives** 12.0

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<b>Bachelor of Science in Business Administration with a concentration in Entrepreneurship</b>	
<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>122.0</b>
See "Admission Requirements" for School of Business and Economics.	
<b>University College Core Curriculum</b>	<b>46.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110</b>	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>7.0</b>
MATH 123 And MATH 140	
<b>Natural Sciences</b>	<b>8.0</b>
<b>Select two from the following:</b> CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122	
<b>History and Social Sciences</b>	<b>3.0</b>
<b>Select one from the following:</b> ANTH 210 Or CRJC 200 Or ECON 200 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or SOCI 210 Or SWRK 220	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following:</b> ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203	
<b>Physical Education/Health Education</b>	<b>2.0</b>
<b>Select HEED 112 Or two from the following: PEDU 101 to PEDU 141</b>	
<b>University College Restricted Electives</b>	<b>9.0</b>
ECON 211 And ECON 212 And PSYC 210	

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science

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requirements.

<b>Program Requirements</b>	<b>76.0</b>
<b>Required Business Courses</b>	<b>40.0</b>
ACCT 211 And ACCT 212 And BADM 209 And BADM 215 And BADM 216 And FINC 311 And MGMT 311 And MGMT 335 And MGMT 470 And MIS 300 And MKTG 311 And BADM 214 And ECON 310	
<b>Entrepreneurship Courses</b>	<b>18.0</b>
ECON 301 And ECON 303 And FINC 315 And MGMT 350 And MGMT 460 And one of the following: MGMT 450 Or ECON 460	
<b>Other Program Requirements</b>	<b>3.0</b>
ENGL 341 Or ENGL 344	
<b>Business Electives (at 300-499 level)</b>	<b>6.0</b>
ACCT 300-499 Or BADM 300-499 Or ECON 300-499 Or FINC 300-499 Or HCM 300-499 Or MGMT 300-499 Or MIS 300-499 Or MKTG 300-499	
<b>Free Electives</b>	<b>9</b>

**Bachelor of Science in Business Administration with a concentration in Marketing**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>122.0</b>
See "Admission and Graduation Requirements" for School of Business and Economics.	
<b>University College Core Curriculum</b>	<b>46.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>7.0</b>
MATH 123 And MATH 140	
<b>Natural Sciences</b>	<b>8.0</b>
Select two from the following: CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122	
<b>History and Social Sciences</b>	<b>3.0</b>
Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or SOCI 210 Or SWRK 220	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
Select one from the following: ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203	
<b>Physical Education/Health Education</b>	<b>2.0</b>

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Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

ECON 211 And  
ECON 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **76.0**

**Required Business Courses** **40.0**

ACCT 211 And ACCT 212 And BADM 209 And BADM 215 And BADM 216 And FINC 311 And MGMT 311 And MGMT 335 And MGMT 470 And MIS 300 And MKTG 311 And BADM 214 And ECON 310

**Marketing Requirements** **18.0**

MKTG 331 And MKTG 470 And MKTG 412 And MKTG 460 And MKTG 300-499

**Other Program Requirements** **3.0**

ENGL 341 Or ENGL 344

**Business Electives (at 300-499 level)** **6.0**

ACCT 300-499 Or BADM 300-499 Or ECON 300-499 Or FINC 300-499 Or HCM 300-499 Or MGMT 300-499 Or MIS 300-499 Or MKTG 300-499

**Free Electives** **9**

**Minor in Economics for Business Majors**

**Total Credit Hours** **15.0**

Grade of C or higher in all minor requirements.

ECON 211 And ECON 212 And ECON 322 And six credits of ECON electives, excluding ECON 200.

**Minor in Economics for Non-Business Majors**

**Total Credit Hours** **18.0**

Grade of C or higher in all minor requirements.

ECON 211 And ECON 212 And ECON 322 And nine credits of ECON electives, excluding ECON 200.

**Minor in Entrepreneurship for Non-Business Majors**

**Total Credit Hours** **18.0**

Grade of C or higher in ACCT 211 and ECON 212 plus an overall minor GPA of 2.0 or higher.

ACCT 211 And ECON 212 And ECON 301 And FINC 315 And two 300-400 level courses from:  
ACCT, BADM, ECON, FINC, HCM, MIS, MKTG, MGMT

**Minor in Finance for Non-Business Majors**

**Total Credit Hours** **18.0**

Grade of C or higher in ACCT 211 and ECON 211 and ECON 212 plus an overall minor GPA of 2.0 or higher.

ACCT 211 And ECON 211 And ECON 212 And FINC 311 And FINC 320 And one 300-400 level  
FINC course.

**Minor in Marketing for Non-Business Majors**

**Total Credit Hours** **18.0**

Grade of C or higher in ACCT 211 and ECON 211 and ECON 212 plus an overall minor GPA of 2.0 or higher.

ACCT 211 And ECON 211 Or ECON 212 And MKTG 311 And three 300-400 level courses in  
MKTG.

**Department of Management**

The Department of Management offers two undergraduate degree programs: 1) a Bachelor of Science degree in Business Administration with concentrations in General Business, Health Care Management, Management, and Management Information Systems and 2) a Bachelor of Science in Management Information Systems.

The objectives of the department are: 1) to guide students in the mastery of the techniques, specialized skills, and managerial procedures that will enable them to function effectively as managers or entrepreneurs; 2) to provide the educational background necessary for those who wish to pursue graduate studies in business-related areas; 3) to increase student awareness of international, cultural, social and political issues affecting different areas of decision-making; 4) to strengthen written and oral communication capabilities; 5) to stimulate research activity among students through class assignments that develop analytical skills, and the knowledge required to use state-of-the-art information technology tools; and; 6) to develop in students the awareness of the responsibilities for good citizenship, which will result in active and concerned participation in community projects and programs.

The Department of Management also offers minor degrees in General Business Administration and Management for non-business majors, and minor degrees in Management Information Systems and Health Care Management for all majors. The minor degree programs in General Business Administration, Management, and Management Information Systems require 18 credit hours of selected business, management, and MIS courses. The minor degree program in Health Care Management requires 15 credit hours of HCM courses.

1. Business Administration and MIS majors must earn a grade of at least "C" in all their 300 and 400 level business courses for graduation.

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2. In order to declare the minor in Management Information Systems, students should have a GPA of at least 2.3.
3. Students in minor programs must earn a grade of C or higher in ACCT 211 and ECON 211 (or ECON 212).
4. Students in minor programs must maintain an overall minor GPA of 2.0 or better (2.3 or better for the minor in MIS).

**Bachelor of Science in Business Administration with a concentration in General Business**

**Major Requirements** **Credits**

**Total Credit Hours** **122.0**

See "Admission and Graduation Requirements" for School of Business and Economics.

**University College Core Curriculum** **46.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **7.0**

MATH 123 And MATH 140

**Natural Sciences** **8.0**

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

ECON 211 And  
ECON 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students

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with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 76.0

**Required Business Courses** 34.0

ACCT 211 And ACCT 212 And BADM 209 And BADM 215 And BADM 216 And FINC 311  
And MGMT 311 And MGMT 335 And MGMT 470 And MIS 300 And MKTG 311

**Concentration Requirements** 21.0

Select seven courses from the following: ACCT 300-499 Or BADM 300-499 Or ECON 300-499 Or FINC 300-499 Or HCM 300-499 Or MGMT 300-499 Or MIS 300-499 Or MKTG 300-499

**Other Program Requirements** 9.0

BADM 214 And ENGL 344 And ECON 310

**Free Electives** 12.0

**Bachelor of Science in Business Administration with a concentration in Healthcare Management**

**Major Requirements** Credits

**Total Credit Hours** 122.0

See "Admission Requirements" for School of Business and Economics.

**University College Core Curriculum** 46.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 7.0

MATH 123 And MATH 140

**Natural Sciences** 8.0

Select two from the following: CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

Select one from the following: ANTH 210 Or CRJC 200 Or ECON 200 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

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**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

ECON 211 And  
ECON 212 And  
PSYC 210

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 76.0

**Required Business Courses** 40.0

ACCT 211 And ACCT 212 And BADM 209 And BADM 215 And BADM 216 And FINC 311 And MGMT 311 And MGMT 335 And MGMT 470 And MIS 300 And MKTG 311

**Select two from the following:** ACCT 300-499 Or BADM 300-499 Or ECON 300-499 Or FINC 300-499 Or HCM 300-499 Or MGMT 300-499 Or MIS 300-499 Or MKTG 300-499

**Health Care Management Courses** 18.0

HCM 310 And HCM 311 And HCM 320 And HCM 330 And HCM 350 And HCM 450

**Other Program Requirements** 9.0

BADM 214 And ENGL 344 And ECON 310

**Free Electives** 9.0

**Bachelor of Science in Business Administration with a concentration in Management**

**Major Requirements** Credits

**Total Credit Hours** 122.0

See "Admission and Graduation Requirements" for School of Business and Economics.

**University College Core Curriculum** 46.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120



*Academic Programs: School of Business and Economics - 193*

**Speech** **3.0**  
SPEE 200

**Mathematics\*\*\*\*** **7.0**  
MATH 123 And MATH 140

**Natural Sciences** **8.0**  
**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or  
ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or  
CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**  
**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or GEOG 210 Or  
GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200  
Or POLI 210 Or POLI 220 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**  
**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL  
220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260  
Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**  
**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**  
  
ECON 211 And  
ECON 212 And  
PSYC 210

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **76.0**  
**Required Business Courses** **40.0**

ACCT 211 And ACCT 212 And BADM 209 And BADM 215 And BADM 216 And FINC 311  
And MGMT 311 And MGMT 335 And MGMT 470 And MIS 300 And MKTG 311

**Select two from the following:** ACCT 300-499 Or BADM 300-499 Or ECON 300-499 Or  
FINC 300-499 Or HCM 300-499 Or MGMT 300-499 Or MIS 300-499 Or MKTG 300-499

**Management Requirements** **18.0**  
MGMT 325 And MGMT 410 And MGMT 420 And MGMT 421 And MGMT 425 And MGMT  
450

**Other Program Requirements** **9.0**  
BADM 214 And ENGL 344 And ECON 310

**Free Electives** **9.0**

*194 – Academic Programs: School of Business and Economics*

**Bachelor of Science in Business Administration with a concentration in Management Information Systems**

**Major Requirements** **Credits**

**Total Credit Hours** **122.0**

See "Admission Requirements" for School of Business and Economics.

**University College Core Curriculum** **46.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **7.0**

MATH 123 And MATH 140

**Natural Sciences** **8.0**

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOO 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** **3.0**

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** **3.0**

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

ECON 211 And  
ECON 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

*Academic Programs: School of Business and Economics - 195*

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 76.0

**Required Business Courses** 40.0

ACCT 211 And ACCT 212 And BADM 209 And BADM 215 And BADM 216 And FINC 311 And MGMT 311 And MGMT 335 And MGMT 470 And MIS 300 And MKTG 311

**Select two from the following:** ACCT 300-499 Or BADM 300-499 Or ECON 300-499 Or FINC 300-499 Or HCM 300-499 Or MGMT 300-499 Or MIS 300-499 Or MKTG 300-499

**Management Information Systems Courses** 18.0

MIS 320 And MIS 330 And MIS 420 And MIS 430 And MGMT 325 And MIS 300-499

**Other Program Requirements** 9.0

BADM 214 And ENGL 344 And CSC 102

**Free Electives** 9.0

**Bachelor of Science in Management Information Systems**

**Major Requirements** Credits

**Total Credit Hours** 122.0

See "Admission and Graduation Requirements" for School of Business and Economics.

**University College Core Curriculum** 46.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 7.0

MATH 123 And MATH 140

**Natural Sciences** 8.0

**Select two from the following:** CHEM 101 And CHEM 102 Or NSCI 110 And NSCI 120 Or ASTR 111 And ASTR 112 Or BIOL 110 And BIOL 130 Or BIOL 150 And ZOOL 110 Or CHEM 140 And CHEM 160 Or PHYS 111 And PHYS 112 Or PHYS 121 And PHYS 122

**History and Social Sciences** 3.0

**Select one from the following:** ANTH 210 Or CRJC 200 Or ECON 200 Or GEOG 210 Or GEOG 220 Or HIST 110 Or HIST 120 Or HIST 210 Or HIST 211 Or HIST 212 Or POLI 200 Or POLI 210 Or POLI 220 Or SOCI 210 Or SWRK 220

**Humanities and Fine Arts** 3.0

**Select one from the following:** ART 210 Or ART 211 Or ENGL 211 Or ENGL 212 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 260 Or PHIL 210 Or PHIL 212 Or PHIL 220 Or THEA 203

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

*196 – Academic Programs: School of Business and Economics*

**University College Restricted Electives** **9.0**

ECON 211 And  
ECON 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **76.0**

**Additional Core Courses** **15.0**

MIS 211 And MIS 212 And ENGL 344

**Select two from the following:** CSC 101-499 Or MATH 100-499 OR SOCI 100-499 Or HIST 100-499 Or ECON 100-499 Or ENGL 100-499 Or GEOG 100-499 Or Foreign Language Sequence

**Program Requirements** **34.0**

ACCT 211 And ACCT 212 And BADM 209 And BADM 215 And BADM 216 And FINC 311 And MGMT 311 And MGMT 325 And MGMT 470 And MIS 300 And MKTG 311

**MIS Required Courses** **21.0**

MIS 320 And MIS 321 And MIS 330 And MIS 331 And MIS 420 And MIS 430 And MIS 435

**MIS Electives** **6.0**

**Select in consultation with MIS advisor:** MIS 322 Or MIS 323 Or MIS 332 Or MIS 410 Or MIS 421 Or MIS 440 Or MIS 455 Or MIS 498 Or MIS 499 Or MGMT 340

**Minor in General Business Administration for Non-Business Majors**

**Total Credit Hours** **18.0**

ACCT 211 And ECON 211 Or ECON 212 And FINC 311 And MGMT 311 And MKTG 311 And one 300-400 level course in BADM, ENTR, MGMT or MKTG

**Minor in Healthcare Management for All Majors**

**Total Credit Hours** **15.0**

SBE majors are expected to complete 9-15 additional hours of course work beyond major requirements. HCM minor courses may not be used to fulfill business electives for major requirements.

HCM 310 And HCM 311 And HCM 320 And HCM 330 And HCM elective (must be selected in consultation with advisor) Or FINC 336

**Minor in Management for Non-Business Majors**

**Total Credit Hours** **18.0**

*Academic Programs: School of Business and Economics - 197*

ACCT 211 And ECON 211 Or ECON 212 And MGMT 311 And MGMT 410 And MGMT 420 And MGMT 425

**Minor in Management Information Systems for All Majors**

**Total Credit Hours**

**18.0**

SBE majors must also take MIS 330 and two MIS electives (since ACCT 211, ECON 211 or ECON 212, and MIS 300 courses are SBE major requirements). MIS minor courses may not be used to fulfill business electives for major requirements.

ACCT 211 And ECON 211 Or ECON 212 And MIS 300 And MIS 320 (CSC majors may substitute MIS elective) And MIS 430 And MIS 435

## School of Education

In support of the mission of Fayetteville State University, the School of Education is committed to educating and preparing individuals at the undergraduate and graduate levels for professions in the fields of education, research, and service. The School of Education seeks to prepare the education professional as a facilitator of learning through the development of cognitive, psychomotor, and affective learning patterns. The school is further committed to providing leadership in teacher education throughout the region, state, and nation.

Assisting in executing the mission of the School of Education are four academic departments: Elementary Education; Middle Grades, Secondary, and Special Education; Educational Leadership; and Health, Physical Education and Human Services; and five support units: the Curriculum Learning Resource Center, the Office of Teacher Education, the Office of Testing, the Office of School Services, and the Early Childhood Learning Center.

### University College Core Curriculum

The successful completion of the University College Core Curriculum requirements is the initial step in the teacher education admission process. A demonstrated proficiency in reading and a GPA of 2.5 or higher are also required.

Transfer students must meet the same standards as first-time freshmen in completing the University College Core Curriculum requirements.

### Admission to the Teacher Education Program

Admission to teacher education is a procedural step for students in teacher education programs. After successfully completing the requirements listed below, students are eligible to apply for admission to the Teacher Education Program. An “Application for Admission to the Teacher Education Program” form must be filed with the department head by the second semester of the sophomore year. The criteria for admission are as follows:

1. Completion of the University College Core Curriculum and EDUC 211.
2. A GPA of 2.5 or higher.
3. Acceptable scores on the Reading, Writing, and Mathematics Tests of the PRAXIS I Series. All PRAXIS scores must be current with state mandated score requirements for admission and licensure purposes.
4. Verification by the university physician of the applicant’s health status and level of physical fitness.
5. Verification by the Director of Residence Life of the applicant’s acceptable deportment.
6. Personal fitness and the interest suitable to the profession of teaching, verified by the Center for Personal Development.
7. Security background check
8. Students must earn a grade of C or higher in all education courses, including student teaching.
9. Final acceptance for admission to the Teacher Education Program by the Teacher Education Committee, based upon documented recommendations from the major area concerned.

Note: Formal admission to Teacher Education is required prior to enrollment in methods courses and student teaching. See each individual program for course listing.

### **Retention in Teacher Education**

Following admission to teacher education, students are required to maintain a GPA of 2.5 or higher and acceptable standards on all other admission criteria. Students must earn a grade of C or higher in all education courses. Students failing to maintain acceptable standards will be automatically suspended from the Teacher Education Program and counseled toward alternative career options.

### **Admission to Student Teaching**

An Application for Student Teaching form must be filed the semester prior to the semester in which the student plans to student teach. To be eligible for the Student Teaching Internship, the student must have:

1. been admitted formally to teacher education and have senior classification.
2. completed to the satisfaction of the major area the teaching specialty component requirements that will lead to licensure by the Department of Public Instruction.
3. achieved a cumulative GPA of 2.5 or higher and a grade of C or higher in all professional education courses.
4. been recommended to the Teacher Education Committee by the department chair of the area in which licensure is sought. The Teacher Education Committee must give approval for the student teaching internship. In addition to the admission requirements stated above, prospective student teachers must complete all methods courses before being admitted to student teaching.
5. earned a grade of C or higher in student teaching for full licensure as a teacher;
6. an audit submitted verifying that no courses remain to be taken toward the degree.
7. enrolled in only the student teaching block courses during the student teaching semester.

Note: Students who have been approved for admission to student teaching, but who have not maintained the standards for the internship, will be subject to review by the Teacher Education Committee before they are allowed to re-enter the program. (See Student Teaching Handbook).

### **Teacher Licensure**

Students successfully completing all requirements for graduation and passing the Specialty Area Test of the PRAXIS II Series are eligible to be recommended for North Carolina licensure. To apply for licensure, students should adhere to the following procedures:

1. File for graduation in the Registrar's Office (B.S. and M.Ed candidates only).
2. File placement folder with the Career Services Office, if applicable.
3. Request an official transcript after grades are posted.
4. Contact the Office of Teacher Education at (910) 672-1587 or 1266.

### **Requirements for Students Seeking Licensure Only**

#### **Alternative Routes for Teacher Education Licensure Only**

Applicants possessing earned baccalaureate and/or master's degrees and seeking licensure in a teaching area must proceed through the alternative route process. The process is described below:

1. Students must be admitted to the university through the regular admission process.
2. Licensure-only applicants will be admitted as undergraduate students. (See Graduate Catalog for pursuing licensure and graduate degree.)

## ***200 – Academic Programs: School of Education***

3. After notification of acceptance by the Office of Admissions, students must officially contact the chair of the department through which licensure is sought. Together, assigned advisors and students will develop a program of courses needed for licensure. The program agreed upon must be reviewed and approved by the department in which licensure is being sought. All courses specified on the program of study must be completed at Fayetteville State University if the license is to be applied for through Fayetteville State University.
4. Upon completion of program requirements for entrance to teacher education (EDUC 211 or SPED 480 and a cumulative GPA of 2.5), students must apply for admission to teacher education. (Note: Licensure-only students are eligible for financial aid only after official admission to teacher education.)
5. Upon completion of all required coursework at Fayetteville State University and maintenance of a 2.5 cumulative GPA, students must apply for admission to student teaching.
6. Upon successful completion of all program requirements and Specialty Area Tests of the PRAXIS II Series, students can apply for teacher licensure in the Office of Teacher Education.

### **Lateral Entry Requirements**

To be eligible for lateral entry, an individual must be employed by a North Carolina school system as a classroom teacher and hold a bachelor's degree from a regionally accredited institution of higher education. Individuals licensed via lateral entry are required to have their credentials evaluated by the Office of Teacher Education. Students must obtain satisfactory scores on required PRAXIS Specialty Area Tests and have a minimum GPA of 2.5 to be recommended for teacher licensure.

### **Department of Elementary Education**

#### **Degrees:**

- Bachelor of Science in Birth to Kindergarten (Non-Teaching)
- Bachelor of Science in Birth to Kindergarten (Teaching)
- Bachelor of Science in Elementary Education with a concentration in Biology
- Bachelor of Science in Elementary Education with a concentration in Economics
- Bachelor of Science in Elementary Education with a concentration in English
- Bachelor of Science in Elementary Education with a concentration in Geography
- Bachelor of Science in Elementary Education with a concentration in Health
- Bachelor of Science in Elementary Education with a concentration in History
- Bachelor of Science in Elementary Education with a concentration in Mathematics
- Bachelor of Science in Elementary Education with a concentration in Physical Education
- Bachelor of Science in Elementary Education with a concentration in Political Science
- Bachelor of Science in Elementary Education with a concentration in Psychology
- Bachelor of Science in Elementary Education with a concentration in Reading
- Bachelor of Science in Elementary Education with a concentration in Sociology
- Bachelor of Science in Elementary Education with a concentration in Special Education
- Bachelor of Science in Elementary Education with a concentration in Speech-Theatre (Speech concentration)
- Bachelor of Science in Elementary Education with a concentration in Speech-Theatre - (Theatre concentration)



**Department of Health Physical Education and Human Services**

**Degrees:**

- Bachelor of Science in Physical Education with a concentration in Biology
- Bachelor of Science in Physical Education with a concentration in Core Academic Studies
- Bachelor of Science in Physical Education with a concentration in Economics
- Bachelor of Science in Physical Education with a concentration in English
- Bachelor of Science in Physical Education with a concentration in Geography
- Bachelor of Science in Physical Education with a concentration in Health
- Bachelor of Science in Physical Education with a concentration in History
- Bachelor of Science in Physical Education with a concentration in Mathematics
- Bachelor of Science in Physical Education with a concentration in Music
- Bachelor of Science in Physical Education with a concentration in Political Science
- Bachelor of Science in Physical Education with a concentration in Psychology
- Bachelor of Science in Physical Education with a concentration in Reading
- Bachelor of Science in Physical Education with a concentration in Sociology
- Bachelor of Science in Physical Education with a concentration in Spanish
- Bachelor of Science in Physical Education with a concentration in Special Education
- Bachelor of Science in Physical Education with a concentration in Speech and Theatre (Speech Concentration)
- Bachelor of Science in Physical Education with a concentration in Speech and Theatre (Theatre Concentration)

**Department of Middle Grades Secondary and Special Education**

**Degrees:**

- Bachelor of Science in Middle Grades Education with a concentration in Core Academic Studies
- Bachelor of Science in Middle Grades Education with a concentration in Language Arts
- Bachelor of Science in Middle Grades Education with a concentration in Mathematics
- Bachelor of Science in Middle Grades Education with a concentration in Reading
- Bachelor of Science in Middle Grades Education with a concentration in Science
- Bachelor of Science in Middle Grades Education with a concentration in Special Education
- Bachelor of Science in Middle Grades with a concentration in Social Studies

**Department of Elementary Education**

The primary mission of the Department of Elementary Education at Fayetteville State University is to offer programs leading to the Bachelor of Science degree and initial licensure in Elementary Education; the Bachelor of Science degree and initial licensure in Birth Through Kindergarten; the Master of Education degree and graduate licensure in Elementary Education; the Master of Education in Reading and graduate licensure in Reading and licensure only at the initial and advanced levels. The elementary education degree and licensure programs prepare facilitators of learning to teach grades K-6, the Birth Through Kindergarten degree and licensure program prepares facilitators of learning to teach B-K, and the reading licensure programs prepare education professionals for teaching reading in grades K-12. The Department also offers a Bachelor of Science degree in Birth through Kindergarten that is non-teaching.

*202 – Academic Programs: School of Education*

**Bachelor of Science in Birth to Kindergarten (Non-Teaching)**

**Major Requirements** **Credits**  
**Total Credit Hours** **126.0**

**University College Core Curriculum** **46.0**

**Freshman Seminar/University Studies\*** **2.0**

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

**Choose one:** HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212; Or HIST 212 and  
HUMN 211

**Humanities and Fine Arts** **3.0**

**Choose one:** HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST 212; Or HUMN 212  
and HIST 211.

**Physical Education/Health Education** **3.0**

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HIST 110 And  
POLI 210 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students  
with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required  
based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science  
requirements.

**Program Requirements** **80.0**

**Professional Education Courses** **20.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 311 And EDUC 330 And EDUC 340

*Academic Programs: School of Education - 203*

And SPED 320

**Birth through Kindergarten Major Core** 42.0

EDUC 307 And EDUC 308 And EDUC 350 And EDUC 361 And EDUC 419 And EDUC 426  
And HEED 372 And HEED 420 And READ 370 And SOCI 330 And SWRK 220 And SWRK  
330 And 3-credit elective

**Minor Core** 18.0

**Bachelor of Science in Birth to Kindergarten (Teaching)**

**Major Requirements** Credits

**Total Credit Hours** 125.0

Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** 46.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**History and Social Sciences** 3.0

**Choose one:** HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212; Or HIST 212 and  
HUMN 211

**Humanities and Fine Arts** 3.0

**Choose one:** HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST 212; Or HUMN 212  
and HIST 211.

**Physical Education/Health Education** 3.0

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 110 And  
POLI 210 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students  
with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required  
based on profile scores.

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Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 79.0

**Professional Education Courses** 34.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 311 And EDUC 330 And EDUC 340  
And SPED 320 And ELEM 471 And EDUC 491

**Birth through Kindergarten Major Core** 45.0

EDUC 307 And EDUC 308 And EDUC 309 And EDUC 314 And EDUC 350 And EDUC 361  
And EDUC 419 And EDUC 426 And HEED 372 And HEED 420 And READ 370 And SOCI  
330 And SWRK 220 And SWRK 330

### **Bachelor of Science in Elementary Education with a concentration in Biology**

**Major Requirements** Credits

**Total Credit Hours** 124.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**University College Core Curriculum** 46.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

**Select one from the following:** HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212;  
Or HIST 212 and HUMN 211

**Humanities and Fine Arts** 3.0

**Select one from the following:** HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST  
212; Or HUMN 212 and HIST 211.

**Physical Education/Health Education** 3.0

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 110 And  
POLI 210 And  
PSYC 210

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>78.0</b>
<b>Professional Education Courses</b>	<b>28.0</b>
EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471 And EDUC 491	
<b>Elementary Education Major Core</b>	<b>32.0</b>
ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451, ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212	
<b>Biology Concentration</b>	<b>18.0</b>
BIOL 150 And BIOL 200 And BIOL 350 And BOTN 210 And CHEM 140 And ZOOL 110 And one from the following: ZOOL 370 Or ZOOL 410	

**Bachelor of Science in Elementary Education with a concentration in Economics**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>124.0</b>
Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.	
<b>University College Core Curriculum</b>	<b>46.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following:</b> UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
NSCI 110 And NSCI 120	
<b>History and Social Sciences</b>	<b>3.0</b>

**206 – Academic Programs: School of Education**

**Select one from the following:** HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212;  
Or HIST 212 and HUMN 211

**Humanities and Fine Arts** 3.0

**Select one from the following:** HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST  
212; Or HUMN 212 and HIST 211.

**Physical Education/Health Education** 3.0

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 110 And  
POLI 210 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students  
with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required  
based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science  
requirements.

**Program Requirements** 78.0

**Professional Education Courses** 28.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471  
And EDUC 491

**Elementary Education Major Core** 32.0

ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission  
to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451,  
ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And  
READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212

**Economics Concentration** 18.0

BADM 216 And ECON 211 And ECON 212 And ECON 320 And ECON 350 And MKTG 311

**Bachelor of Science in Elementary Education with a concentration in English**

**Major Requirements** Credits

**Total Credit Hours** 124.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in  
all education courses, including Teacher Internship. Students must complete six hours of restricted  
electives with approval of department chair and advisor.

**University College Core Curriculum** 46.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

*Academic Programs: School of Education - 207*

<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
NSCI 110 And NSCI 120	
<b>History and Social Sciences</b>	<b>3.0</b>
<b>Select one from the following:</b> HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212; Or HIST 212 and HUMN 211	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following:</b> HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST 212; Or HUMN 212 and HIST 211.	
<b>Physical Education/Health Education</b>	<b>3.0</b>
HEED 112 And one of the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>

HIST 110 And  
POLI 210 And  
PSYC 210

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>78.0</b>
<b>Professional Education Courses</b>	<b>28.0</b>
EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471 And EDUC 491	
<b>Elementary Education Major Core</b>	<b>32.0</b>
ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451, ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212	
<b>English Concentration</b>	<b>18.0</b>
ENGL 341 And ENGL 411 And choose one: ENGL 211 Or ENGL 212 Or ENGL 240 And choose one: ENGL 220 Or ENGL 223 And choose one: ENGL 311 Or ENGL 312 And choose one: ENGL 321 Or ENGL 322	

*208 – Academic Programs: School of Education*

**Bachelor of Science in Elementary Education with a concentration in Geography**

**Major Requirements** **Credits**

**Total Credit Hours** **124.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**University College Core Curriculum** **46.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

**Select one from the following:** HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212; Or HIST 212 and HUMN 211

**Humanities and Fine Arts** **3.0**

**Select one from the following:** HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST 212; Or HUMN 212 and HIST 211.

**Physical Education/Health Education** **3.0**

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HIST 110 And

POLI 210 And

PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **78.0**



*Academic Programs: School of Education - 209*

**Professional Education Courses** 28.0  
EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471  
And EDUC 491

**Elementary Education Major Core** 32.0  
ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission  
to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451,  
ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And  
READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212

**Geography Concentration** 18.0  
GEOG 210 And GEOG 220 And GEOG 311 And GEOG 480 And choose four: GEOG 230  
Or GEOG 310 Or GEOG 317 Or GEOG 340 Or GEOG 350 Or GEOG 370 Or GEOG 410  
Or GEOG 440

**Bachelor of Science in Elementary Education with a concentration in Health**

**Major Requirements** Credits

**Total Credit Hours** 124.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in  
all education courses, including Teacher Internship. Students must complete six hours of restricted  
electives with approval of department chair and advisor.

**University College Core Curriculum** 46.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

Select one from the following: HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212;  
Or HIST 212 and HUMN 211

**Humanities and Fine Arts** 3.0

Select one from the following: HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST  
212; Or HUMN 212 and HIST 211.

**Physical Education/Health Education** 3.0

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 110 And

## ***210 – Academic Programs: School of Education***

POLI 210 And  
PSYC 210

### **Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 78.0

**Professional Education Courses** 28.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471  
And EDUC 491

**Elementary Education Major Core** 32.0

ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451, ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212

**Health Concentration** 18.0

HEED 300 And HEED 301 And HEED 321 And HEED 410 And HEED 411 And HEED 420  
And HEED or PEDU Elective

### **Bachelor of Science in Elementary Education with a concentration in History**

**Major Requirements** Credits

**Total Credit Hours** 124.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**University College Core Curriculum** 46.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

*Academic Programs: School of Education - 211*

NSCI 110 And NSCI 120	
<b>History and Social Sciences</b>	<b>3.0</b>
<b>Select one from the following:</b> HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212; Or HIST 212 and HUMN 211	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following:</b> HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST 212; Or HUMN 212 and HIST 211.	
<b>Physical Education/Health Education</b>	<b>3.0</b>
HEED 112 And one of the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>

HIST 110 And  
POLI 210 And  
PSYC 210

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>78.0</b>
<b>Professional Education Courses</b>	<b>28.0</b>
EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471 And EDUC 491	
<b>Elementary Education Major Core</b>	<b>32.0</b>
ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451, ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212	
<b>History Concentration</b>	<b>18.0</b>
HIST 110 And HIST 120 And HIST 210 And HIST 211 And HIST 212 And choose three: HIST 270 Or HIST 311 Or HIST 312 Or HIST 331 Or HIST 350 Or HIST 370 Or HIST 390 Or HIST 490 Or HIST Elective	

**Bachelor of Science in Elementary Education with a concentration in Mathematics**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>124.0</b>
Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.	
<b>University College Core Curriculum</b>	<b>46.0</b>

*212 – Academic Programs: School of Education*

<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following:</b> UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
NSCI 110 And NSCI 120	
<b>History and Social Sciences</b>	<b>3.0</b>
<b>Select one from the following:</b> HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212; Or HIST 212 and HUMN 211	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following:</b> HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST 212; Or HUMN 212 and HIST 211.	
<b>Physical Education/Health Education</b>	<b>3.0</b>
HEED 112 And one of the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>
HIST 110 And POLI 210 And PSYC 210	

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>78.0</b>
<b>Professional Education Courses</b>	<b>28.0</b>
EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471 And EDUC 491	
<b>Elementary Education Major Core</b>	<b>32.0</b>
ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451, ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212	

**Mathematics Concentration** **18.0**

MATH 131 (MATH 121, 129, 130 may be required; MATH 129-130 with C in each substitutes for MATH 131.) And MATH 142 And MATH 241 And MATH 242 And MATH 251 And MATH 262 And STAT 202

**Bachelor of Science in Elementary Education with a concentration in Physical Education**

**Major Requirements** **Credits**

**Total Credit Hours** **124.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**University College Core Curriculum** **46.0**

**Freshman Seminar/University Studies\*** **2.0**

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

Select one from the following: HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212; Or HIST 212 and HUMN 211

**Humanities and Fine Arts** **3.0**

Select one from the following: HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST 212; Or HUMN 212 and HIST 211.

**Physical Education/Health Education** **3.0**

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HIST 110 And  
POLI 210 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

## ***214 – Academic Programs: School of Education***

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 78.0

**Professional Education Courses** 28.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471  
And EDUC 491

**Elementary Education Major Core** 32.0

ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451, ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212

**Physical Education Concentration** 18.0

PEDU 101 And PEDU 106 And PEDU 201 And PEDU 204 And PEDU 212 And PEDU 214  
And PEDU 290 And PEDU 311 And PEDU 361 And PEDU 452 And PEDU or HEED  
Elective

### **Bachelor of Science in Elementary Education with a concentration in Political Science**

**Major Requirements** Credits

**Total Credit Hours** 124.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**University College Core Curriculum** 46.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

**Select one from the following:** HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212;  
Or HIST 212 and HUMN 211

**Humanities and Fine Arts** 3.0

**Select one from the following:** HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST

*Academic Programs: School of Education - 215*

212; Or HUMN 212 and HIST 211.

**Physical Education/Health Education** 3.0

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 110 And  
POLI 210 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 78.0

**Professional Education Courses** 28.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471 And EDUC 491

**Elementary Education Major Core** 32.0

ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451, ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212

**Political Science Concentration** 18.0

HIPO 310 And POLI 210 And POLI 220 And POLI 320 And POLI 450 And POLI 460 And choose two: HIPO 310 Or POLI 350 Or POLI 351 Or POLI 352

**Bachelor of Science in Elementary Education with a concentration in Psychology**

**Major Requirements** Credits

**Total Credit Hours** 124.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**University College Core Curriculum** 46.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

*216 – Academic Programs: School of Education*

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

**Select one from the following:** HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212;  
Or HIST 212 and HUMN 211

**Humanities and Fine Arts** 3.0

**Select one from the following:** HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST  
212; Or HUMN 212 and HIST 211.

**Physical Education/Health Education** 3.0

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 110 And  
POLI 210 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students  
with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required  
based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science  
requirements.

**Program Requirements** 78.0

**Professional Education Courses** 28.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471  
And EDUC 491

**Elementary Education Major Core** 32.0

ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission  
to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451,  
ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And  
READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212

**Psychology Concentration** 18.0

PSYC 210 And PSYC 233 And PSYC 310 And PSYC 320 And PSYC 343 And PSYC 380 And  
PSYC 400 And PSYC 422



**Bachelor of Science in Elementary Education with a concentration in Reading**

**Major Requirements** **Credits**

**Total Credit Hours** **124.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**University College Core Curriculum** **46.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

**Select one from the following:** HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212; Or HIST 212 and HUMN 211

**Humanities and Fine Arts** **3.0**

**Select one from the following:** HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST 212; Or HUMN 212 and HIST 211.

**Physical Education/Health Education** **3.0**

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HIST 110 And

POLI 210 And

PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **78.0**

*218 – Academic Programs: School of Education*

**Professional Education Courses** **28.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471  
And EDUC 491

**Elementary Education Major Core** **32.0**

ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission  
to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451,  
ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And  
READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212

**Reading Concentration** **18.0**

READ 316 And READ 370 And READ 390 And READ 400 And READ 422 And READ 441

**Bachelor of Science in Elementary Education with a concentration in Sociology**

**Major Requirements** **Credits**

**Total Credit Hours** **124.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in  
all education courses, including Teacher Internship. Students must complete six hours of restricted  
electives with approval of department chair and advisor.

**University College Core Curriculum** **46.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

**Select one from the following:** HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212;  
Or HIST 212 and HUMN 211

**Humanities and Fine Arts** **3.0**

**Select one from the following:** HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST  
212; Or HUMN 212 and HIST 211.

**Physical Education/Health Education** **3.0**

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HIST 110 And  
POLI 210 And  
PSYC 210

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>78.0</b>
<b>Professional Education Courses</b>	<b>28.0</b>
EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471 And EDUC 491	
<b>Elementary Education Major Core</b>	<b>32.0</b>
ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451, ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212	
<b>Sociology Concentration</b>	<b>18.0</b>
SOCI 210 And SOCI 340 And SOCI 350 And SOCI 412 And SOCI 462 And SOCI 480 And choose one: ANTH 210 Or SOCI 375	

**Bachelor of Science in Elementary Education with a concentration in Special Education**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>124.0</b>
Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.	
<b>University College Core Curriculum</b>	<b>46.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following:</b> UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
NSCI 110 And NSCI 120	
<b>History and Social Sciences</b>	<b>3.0</b>

## ***220 – Academic Programs: School of Education***

**Select one from the following:** HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212;  
Or HIST 212 and HUMN 211

**Humanities and Fine Arts** 3.0

**Select one from the following:** HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST 212; Or HUMN 212 and HIST 211.

**Physical Education/Health Education** 3.0

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 110 And

POLI 210 And

PSYC 210

### **Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 78.0

**Professional Education Courses** 28.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471  
And EDUC 491

**Elementary Education Major Core** 32.0

ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451, ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212

**Special Education Concentration** 18.0

SPED 410 And SPED 460 And SPED 465 And SPED 480 And six credits of SPED electives.

### **Bachelor of Science in Elementary Education with a concentration in Speech -Theatre (Speech concentration)**

**Major Requirements** Credits

**Total Credit Hours** 124.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**University College Core Curriculum** 46.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

*Academic Programs: School of Education - 221*

PHIL 110	6.0
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
NSCI 110 And NSCI 120	
<b>History and Social Sciences</b>	<b>3.0</b>
<b>Select one from the following:</b> HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212; Or HIST 212 and HUMN 211	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
<b>Select one from the following:</b> HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST 212; Or HUMN 212 and HIST 211.	
<b>Physical Education/Health Education</b>	<b>3.0</b>
HEED 112 And one of the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>

HIST 110 And  
POLI 210 And  
PSYC 210

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>78.0</b>
<b>Professional Education Courses</b>	<b>28.0</b>
EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471 And EDUC 491	
<b>Elementary Education Major Core</b>	<b>32.0</b>
ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451, ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212	
<b>Speech Concentration</b>	<b>18.0</b>
SPEE 200 And SPEE 211 And SPEE 311 And SPEE 401 And THEA 203 And THEA 337 And THEA 411 And choose one: SPEE 300 Or SPEE 340	

*222 – Academic Programs: School of Education*

**Bachelor of Science in Elementary Education with a concentration in Speech -Theatre -  
(Theatre concentration)**

**Major Requirements** **Credits**

**Total Credit Hours** **124.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**University College Core Curriculum** **46.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

**Select one from the following:** HIST 211 Or HIST 212 Complete HIST 211 And HUMN 212;  
Or HIST 212 and HUMN 211

**Humanities and Fine Arts** **3.0**

**Select one from the following:** HUMN 211 Or HUMN 212 Complete HUMN 211 and HIST  
212; Or HUMN 212 and HIST 211.

**Physical Education/Health Education** **3.0**

HEED 112 And one of the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HIST 110 And  
POLI 210 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

*Academic Programs: School of Education - 223*

<b>Program Requirements</b>	<b>78.0</b>
<b>Professional Education Courses</b>	<b>28.0</b>
EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And ELEM 471 And EDUC 491	
<b>Elementary Education Major Core</b>	<b>32.0</b>
ELEM 353 And ELEM 354 And ELEM 451 And ELEM 455 And ELEM 456 (Formal admission to Teacher Education required to enroll in these courses: ELEM 353, ELEM 354, ELEM 451, ELEM 455, ELEM 456, READ 315) And EDUC 315 And ENGL 300 And PEDU 320 And READ 315 And SPED 320 And one of the following: HIST 211 Or HIST 212	
<b>Theatre Concentration</b>	<b>18.0</b>
SPEE 311 And THEA 203 And THEA 306 And THEA 333 And THEA 337 And choose one: THEA 221 Or THEA 222 And choose two: THEA 316 Or THEA 334 Or THEA 403 Or THEA 411 Or THEA 421	

**Department of Health Physical Education and Human Services**

The Department of Health, Physical Education, and Human Services offers Bachelor of Science degrees in Physical Education. In support of the mission of the university and the School of Education, the department is committed to preparing students as facilitators of learning in the fields of health, physical education, recreation, dance, and related service areas. The department is further committed through its curricula to assist students in the development of cognitive, psychomotor, and affective learning patterns as requisite tools for effective teaching.

**Bachelor of Science in Physical Education with a concentration in Biology**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>122.0</b>
Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.	
<b>University College Core Curriculum</b>	<b>45.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following:</b> UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
NSCI 110 And NSCI 120	
<b>History and Social Sciences</b>	<b>3.0</b>

**224 – Academic Programs: School of Education**

HIST 110	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
HUMN 211	
<b>Physical Education/Health Education</b>	<b>2.0</b>
Select HEED 112 Or two from the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>77.0</b>
<b>Professional Education Courses</b>	<b>32.0</b>
EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ 320	
<b>Physical Education Core</b>	<b>27.0</b>
PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331 And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOOL 210	
<b>Biology Concentration</b>	<b>18.0</b>
BIOL 150 And BIOL 200 And BIOL 350 And BOTN 210 And CHEM 140 And ZOOL 110 And one from the following: ZOOL 370 Or ZOOL 410	

<b>Bachelor of Science in Physical Education with a concentration in Core Academic Studies</b>	
<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>122.0</b>
Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.	
<b>University College Core Curriculum</b>	<b>45.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>



*Academic Programs: School of Education - 225*

ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
NSCI 110 And NSCI 120	
<b>History and Social Sciences</b>	<b>3.0</b>
HIST 110	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
HUMN 211	
<b>Physical Education/Health Education</b>	<b>2.0</b>
Select HEED 112 Or two from the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>77.0</b>
<b>Professional Education Courses</b>	<b>32.0</b>
EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ 320	
<b>Physical Education Core</b>	<b>27.0</b>
PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331 And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOOL 210	
<b>Core Academic Studies Concentration</b>	<b>18.0</b>
<b>Choose two:</b> READ 316 Or READ 370 Or READ 390 Or READ 422 And choose one sequence: MATH 124-129 Or MATH129-130 Or MATH 130-131 And choose two: ASTR 111 Or ASTR 112 Or ZOOL 110	

*226 – Academic Programs: School of Education*

**Bachelor of Science in Physical Education with a concentration in Economics**

**Major Requirements** **Credits**

**Total Credit Hours** **122.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

HIST 110

**Humanities and Fine Arts** **3.0**

HUMN 211

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **77.0**

**Professional Education Courses** **32.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ

320

**Physical Education Core** 27.0

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOOLOGY 210

**Economics Concentration** 18.0

BADM 216 And ECON 211 And ECON 212 And ECON 320 And ECON 350 And MKTG 311

**Bachelor of Science in Physical Education with a concentration in English**

**Major Requirements** Credits

**Total Credit Hours** 122.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

HIST 110

**Humanities and Fine Arts** 3.0

HUMN 211

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

## ***228 – Academic Programs: School of Education***

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Professional Education Courses** 32.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421  
And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ  
320

**Physical Education Core** 27.0

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOO L  
210

**English Concentration** 18.0

ENGL 341 And ENGL 411 And choose one: ENGL 211 Or ENGL 212 Or ENGL 240 And  
choose one: ENGL 220 Or ENGL 223 And choose one: ENGL 311 Or ENGL 312 And choose  
one: ENGL 321 Or ENGL 322

### **Bachelor of Science in Physical Education with a concentration in Geography**

**Major Requirements** Credits

**Total Credit Hours** 122.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

HIST 110

**Humanities and Fine Arts** 3.0

HUMN 211

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **77.0**

**Professional Education Courses** **32.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421  
And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ  
320

**Physical Education Core** **27.0**

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOO L  
210

**Geography Concentration** **18.0**

GEOG 210 And GEOG 220 And GEOG 311 And GEOG 480 And choose four: GEOG 230  
Or GEOG 310 Or GEOG 317 Or GEOG 340 Or GEOG 350 Or GEOG 370 Or GEOG 410  
Or GEOG 440

**Bachelor of Science in Physical Education with a concentration in Health**

**Major Requirements** **Credits**

**Total Credit Hours** **122.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

**230 – Academic Programs: School of Education**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

HIST 110

**Humanities and Fine Arts** 3.0

HUMN 211

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Professional Education Courses** 32.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421  
And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ  
320

**Physical Education Core** 27.0

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOOL  
210

**Health Concentration** 18.0

HEED 300 And HEED 301 And HEED 321 And HEED 410 And HEED 411 And HEED 420  
And HEED or PEDU Elective

**Bachelor of Science in Physical Education with a concentration in History**

**Major Requirements** Credits

**Total Credit Hours** 122.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** 45.0

*Academic Programs: School of Education - 231*

<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110</b>	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
NSCI 110 And NSCI 120	
<b>History and Social Sciences</b>	<b>3.0</b>
HIST 110	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
HUMN 211	
<b>Physical Education/Health Education</b>	<b>2.0</b>
<b>Select HEED 112 Or two from the following: PEDU 101 to PEDU 141</b>	
<b>University College Restricted Electives</b>	<b>9.0</b>

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **77.0**

**Professional Education Courses** **32.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421  
And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ  
320

**Physical Education Core** **27.0**

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOO  
210

**History Concentration** **18.0**

## ***232 – Academic Programs: School of Education***

HIST 110 And HIST 120 And HIST 210 And HIST 211 And HIST 212 And choose three: HIST 270 Or HIST 311 Or HIST 312 Or HIST 331 Or HIST 350 Or HIST 370 Or HIST 390 Or HIST 490 Or HIST Elective

### **Bachelor of Science in Physical Education with a concentration in Mathematics**

**Major Requirements** **Credits**

**Total Credit Hours** **122.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

HIST 110

**Humanities and Fine Arts** **3.0**

HUMN 211

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HIST 212 And  
HUMN 212 And  
PSYC 210

### **Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.



*Academic Programs: School of Education - 233*

**Program Requirements** 77.0

**Professional Education Courses** 32.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421  
And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ  
320

**Physical Education Core** 27.0

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOOL  
210

**Mathematics Concentration** 18.0

MATH 131 (MATH 121, 129, 130 may be required; MATH 129-130 with C in each substitutes for  
MATH 131.) And MATH 142 And MATH 241 And MATH 242 And MATH 251 And MATH  
262 And STAT 202

**Bachelor of Science in Physical Education with a concentration in Music**

**Major Requirements** Credits

**Total Credit Hours** 122.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in  
all education courses, including Teacher Internship.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

HIST 110

**Humanities and Fine Arts** 3.0

HUMN 211

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 212 And  
HUMN 212 And  
PSYC 210

## 234 – Academic Programs: School of Education

### Notes

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Professional Education Courses** 32.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421  
And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ  
320

**Physical Education Core** 27.0

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOO  
210

**Music Concentration** 18.0

MUSI 152 And MUSI 281 And MUSI 210 And MUSI Elective And four credits of ensembles.  
And four credits of applied music.

### **Bachelor of Science in Physical Education with a concentration in Political Science**

**Major Requirements** Credits

**Total Credit Hours** 122.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

*Academic Programs: School of Education - 235*

HIST 110	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
HUMN 211	
<b>Physical Education/Health Education</b>	<b>2.0</b>
Select HEED 112 Or two from the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>77.0</b>
<b>Professional Education Courses</b>	<b>32.0</b>
EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ 320	
<b>Physical Education Core</b>	<b>27.0</b>
PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331 And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOO 210	
<b>Political Science Concentration</b>	<b>18.0</b>
HIPO 310 And POLI 210 And POLI 220 And POLI 320 And POLI 450 And POLI 460 And choose two: HIPO 310 Or POLI 350 Or POLI 351 Or POLI 352	

**Bachelor of Science in Physical Education with a concentration in Psychology**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>122.0</b>
Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.	
<b>University College Core Curriculum</b>	<b>45.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>

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ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

HIST 110

**Humanities and Fine Arts** 3.0

HUMN 211

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 212 And

HUMN 212 And

PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Professional Education Courses** 32.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421  
And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ  
320

**Physical Education Core** 27.0

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOOL  
210

**Psychology Concentration** 18.0

PSYC 210 And PSYC 233 And PSYC 310 And PSYC 320 And PSYC 343 And PSYC 380 And  
PSYC 400 And PSYC 422

**Bachelor of Science in Physical Education with a concentration in Reading**

**Major Requirements** **Credits**

**Total Credit Hours** **122.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

HIST 110

**Humanities and Fine Arts** **3.0**

HUMN 211

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **77.0**

**Professional Education Courses** **32.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ

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320

**Physical Education Core** 27.0

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOOL  
210

**Reading Concentration** 18.0

READ 316 And READ 370 And READ 390 And READ 400 And READ 422 And READ 441

**Bachelor of Science in Physical Education with a concentration in Sociology**

**Major Requirements** Credits

**Total Credit Hours** 122.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

HIST 110

**Humanities and Fine Arts** 3.0

HUMN 211

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

*Academic Programs: School of Education - 239*

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Professional Education Courses** 32.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421  
And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ  
320

**Physical Education Core** 27.0

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOOLOGY  
210

**Sociology Concentration** 18.0

SOCI 210 And SOCI 340 And SOCI 350 And SOCI 412 And SOCI 462 And SOCI 480 And  
choose one: ANTH 210 Or SOCI 375

**Bachelor of Science in Physical Education with a concentration in Spanish**

**Major Requirements** Credits

**Total Credit Hours** 122.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** 45.0

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

HIST 110

**Humanities and Fine Arts** 3.0

HUMN 211

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

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**University College Restricted Electives** **9.0**

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **77.0**

**Professional Education Courses** **32.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421  
And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ  
320

**Physical Education Core** **27.0**

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOO L  
210

**Spanish Concentration** **18.0**

SPAN 211 And SPAN 212 And SPAN 311 And SPAN 312 And choose one sequence: SPAN 320  
Or SPAN 420 And choose one: SPAN 321 Or SPAN 322 Or SPAN 421

**Bachelor of Science in Physical Education with a concentration in Special Education**

**Major Requirements** **Credits**

**Total Credit Hours** **122.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or



*Academic Programs: School of Education - 241*

MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
NSCI 110 And NSCI 120	
<b>History and Social Sciences</b>	<b>3.0</b>
HIST 110	
<b>Humanities and Fine Arts</b>	<b>3.0</b>
HUMN 211	
<b>Physical Education/Health Education</b>	<b>2.0</b>
Select HEED 112 Or two from the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

<b>Program Requirements</b>	<b>77.0</b>
<b>Professional Education Courses</b>	<b>32.0</b>
EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421 And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ 320	
<b>Physical Education Core</b>	<b>27.0</b>
PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331 And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOO 210	
<b>Special Education Concentration</b>	<b>18.0</b>
SPED 410 And SPED 460 And SPED 465 And SPED 480 And six credits of SPED electives.	

**Bachelor of Science in Physical Education with a concentration in Speech and Theatre (Speech Concentration)**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>122.0</b>
Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.	
<b>University College Core Curriculum</b>	<b>45.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>

**242 – Academic Programs: School of Education**

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 3.0

HIST 110

**Humanities and Fine Arts** 3.0

HUMN 211

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

HIST 212 And  
HUMN 212 And  
PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Professional Education Courses** 32.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421  
And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ  
320

**Physical Education Core** 27.0

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOO  
210

**Speech Concentration** 18.0

SPEE 200 And SPEE 211 And SPEE 311 And SPEE 401 And THEA 203 And THEA 337 And

*Academic Programs: School of Education - 243*

THEA 411 And choose one: SPEE 300 Or SPEE 340

**Bachelor of Science in Physical Education with a concentration in Speech and Theatre  
(Theatre Concentration)**

**Major Requirements** **Credits**

**Total Credit Hours** **122.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** **45.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110**

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **3.0**

HIST 110

**Humanities and Fine Arts** **3.0**

HUMN 211

**Physical Education/Health Education** **2.0**

**Select HEED 112 Or two from the following: PEDU 101 to PEDU 141**

**University College Restricted Electives** **9.0**

HIST 212 And

HUMN 212 And

PSYC 210

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **77.0**

**Professional Education Courses** **32.0**

## **244 – Academic Programs: School of Education**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 421  
And EDUC 450 And EDUC 464 And EDUC 470 Or EDUC 480 And EDUC 490 And READ  
320

**Physical Education Core** **27.0**

PEDU 201 And PEDU 204 And PEDU 212 And PEDU 310 And PEDU 311 And PEDU 331  
And PEDU 411 And PEDU 421 And PEDU 431 And PEDU 462 And HEED 372 And ZOO L  
210

**Theatre Concentration** **18.0**

SPEE 311 And THEA 203 And THEA 306 And THEA 333 And THEA 337 And choose one:  
THEA 221 Or THEA 222 And choose two: THEA 316 Or THEA 334 Or THEA 403 Or THEA  
411 Or THEA 421

### **Department of Middle Grades Secondary and Special Education**

The primary goal of the Department of Middle Grades, Secondary, and Special Education is to offer quality programs leading to the Bachelor of Science degree, the Master of Arts in Teaching degree, and post-baccalaureate licensure in Middle Grades and Special Education. The B.S. degree program in Middle Grades Education is designed to prepare facilitators of learning to work with students in grades 6-9. In order to accomplish the objectives of this degree program, the curricular offering include the following: 45 hours of the University College Core Curriculum, 23 hours in professional education, 18 hours in each of two second academic concentrations and three hours of free electives.

#### **Post-Baccalaureate Non-Degree Licensure Only Programs**

Students interested in post-baccalaureate licensure only programs (including lateral entry licensure) in Middle Grades (6-9) and Special Education: General Curriculum (K-12) should consult the Graduate Catalog and a program advisor.

#### **Bachelor of Science in Middle Grades Education with a concentration in Core Academic Studies**

**Major Requirements** **Credits**

**Total Credit Hours** **137.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** **60.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or

*Academic Programs: School of Education - 245*

MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 15.0

HIST 110 And HIST 211 And HIST 212 And POLI 210 And PSYC 210

**Humanities and Fine Arts** 6.0

Select two from the following: HUMN 211 And HUMN 212

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Professional Education Courses** 23.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 450 And EDMG 470 And EDUC 490

**Middle Grades Core Courses** 18.0

EDMG\* 400 And ENGL 301 And READ\* 320 And SPED 320 And select two depending upon second concentration options: EDMG 433 Or EDMG 461 Or EDMG 462 Or EDMG 463

(Admission to Teacher Education required for EDMG 400, READ 320, EDMG 433, EDMG 461, EDMG 462, EDMG 463)

**Core Academic Studies Concentration:** 18.0

Select two: READ 316 Or READ 370 Or READ 390 Or READ 422 And choose one sequence: MATH 124-129 Or MATH 129-130 Or MATH 130-131 And choose two: ASTR 111 Or ASTR 112 Or ZOOL 110

**Second Academic Concentration: Select from the following:** 18

Language Arts Concentration: ENGL 231 And ENGL 341 And select one: ENGL 211 Or ENGL 212 And select one: ENGL 240 Or ENGL 311 Or ENGL 321 And select one: ENGL 230 Or READ 316 Or READ 370 And select one: READ 390 Or READ 420 Or READ 422

Social Studies Concentration: HIST 390 And POLI 321 And select one: ECON 200 Or ECON 211 Or ECON 212 And select one: HIST 311 Or HIST 312 Or HIST 331 And select one: HIST

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270 Or HIST 370 Or HIST 375 And select one: GEOG 210 Or GEOG 220

Mathematics Concentration: MATH 142 And MATH 150 And MATH 241 And MATH 251 And MATH 262 And STAT 202

Science Concentration: BIOL 150 And GEOL 311 And NSCI 110 And ZOO 110 And select one: ASTR 111 Or ASTR 112

Special Education Concentration: SPED 410 And SPED 460 And SPED 465 And SPED 480 And two electives selected with Special Education advisor.

Reading Concentration: READ 316 And READ 370 And READ 390 And READ 400 And READ 422 And READ 441

**Bachelor of Science in Middle Grades Education with a concentration in Language Arts**

**Major Requirements**

**Credits**

**Total Credit Hours**

**137.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum**

**60.0**

**Freshman Seminar/University Studies\***

**2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\***

**3.0**

PHIL 110

**English Composition\*\*\***

**6.0**

ENGL 110 And ENGL 120

**Speech**

**3.0**

SPEE 200

**Mathematics\*\*\*\***

**6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences**

**8.0**

NSCI 110 And NSCI 120

**History and Social Sciences**

**15.0**

HIST 110 And HIST 211 And HIST 212 And POLI 210 And PSYC 210

**Humanities and Fine Arts**

**6.0**

**Select two from the following:** HUMN 211 And HUMN 212

**Physical Education/Health Education**

**2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives**

**9.0**

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

- \* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.
  - \*\* PHIL 110 not required for students with 60+ transfer credits.
  - \*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.
  - \*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.
- Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **77.0**

**Professional Education Courses** **23.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 450  
And EDMG 470 And EDUC 490

**Middle Grades Core Courses** **18.0**

EDMG\* 400 And ENGL 301 And READ\* 320 And SPED 320 And select two depending upon second concentration options: EDMG 433 Or EDMG 461 Or EDMG 462 Or EDMG 463  
(Admission to Teacher Education required for EDMG 400, READ 320, EDMG 433, EDMG 461, EDMG 462, EDMG 463)

**Language Arts Concentration** **18.0**

ENGL 231 And ENGL 341 And select one: ENGL 211 Or ENGL 212 And select one: ENGL 240 Or ENGL 311 Or ENGL 321 And select one: ENGL 230 Or READ 316 Or READ 370  
And select one: READ 390 Or READ 420 Or READ 422

**Second Academic Concentration: Select from the following:** **18**

Social Studies Concentration: HIST 390 And POLI 321 And select one: ECON 200 Or ECON 211 Or ECON 212 And select one: HIST 311 Or HIST 312 Or HIST 331 And select one: HIST 270 Or HIST 370 Or HIST 375 And select one: GEOG 210 Or GEOG 220

Mathematics Concentration: MATH 142 And MATH 150 And MATH 241 And MATH 251 And MATH 262 And STAT 202

Science Concentration: BIOL 150 And GEOL 311 And NSCI 110 And ZOOL 110 And select one: ASTR 111 Or ASTR 112

Special Education Concentration: SPED 410 And SPED 460 And SPED 465 And SPED 480 And two electives selected with Special Education advisor.

Reading Concentration: READ 316 And READ 370 And READ 390 And READ 400 And READ 422 And READ 441

Core Academic Studies Concentration: Select two: READ 316 Or READ 370 Or READ 390 Or READ 422 And choose one sequence: MATH 124-129 Or MATH 129-130 Or MATH 130-132  
And choose two: ASTR 111 Or ASTR 112 Or ZOOL 110

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**Bachelor of Science in Middle Grades Education with a concentration in Mathematics**

**Major Requirements** **Credits**

**Total Credit Hours** **137.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** **60.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **15.0**

HIST 110 And HIST 211 And HIST 212 And POLI 210 And PSYC 210

**Humanities and Fine Arts** **6.0**

**Select two from the following:** HUMN 211 And HUMN 212

**Physical Education/Health Education** **2.0**

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** **9.0**

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** **77.0**

**Professional Education Courses** **23.0**

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 450



*Academic Programs: School of Education - 249*

And EDMG 470 And EDUC 490

**Middle Grades Core Courses** 18.0

EDMG\* 400 And ENGL 301 And READ\* 320 And SPED 320 And select two depending upon second concentration options: EDMG 433 Or EDMG 461 Or EDMG 462 Or EDMG 463 (Admission to Teacher Education required for EDMG 400, READ 320, EDMG 433, EDMG 461,EDMG 462,EDMG 463)

**Mathematics Concentration** 18.0

MATH 142 And MATH 150 And MATH 241 And MATH 251 And MATH 262 And STAT 202

**Second Academic Concentration: Select from the following:** 18

Language Arts Concentration: ENGL 231 And ENGL 341 And select one: ENGL 211 Or ENGL 212 And select one: ENGL 240 Or ENGL 311 Or ENGL 321 And select one: ENGL 230 Or READ 316 Or READ 370 And select one: READ 390 Or READ 420 Or READ 422

Social Studies Concentration: HIST 390 And POLI 321 And select one: ECON 200 Or ECON 211 Or ECON 212 And select one: HIST 311 Or HIST 312 Or HIST 331 And select one: HIST 270 Or HIST 370 Or HIST 375 And select one: GEOG 210 Or GEOG 220

Science Concentration: BIOL 150 And GEOL 311 And NSCI 110 And ZOOL 110 And select one: ASTR 111 Or ASTR 112

Special Education Concentration: SPED 410 And SPED 460 And SPED 465 And SPED 480 And two electives selected with Special Education advisor.

Reading Concentration: READ 316 And READ 370 And READ 390 And READ 400 And READ 422 And READ 441

Core Academic Studies Concentration: Select two: READ 316 Or READ 370 Or READ 390 Or READ 422 And choose one sequence: MATH 124-129 Or MATH 129-130 Or MATH 130-131 And choose two: ASTR 111 Or ASTR 112 Or ZOOL 110

**Bachelor of Science in Middle Grades Education with a concentration in Reading**

**Major Requirements** Credits

**Total Credit Hours** 137.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** 60.0

**Freshman Seminar/University Studies\*** 2.0

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

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**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 15.0

HIST 110 And HIST 211 And HIST 212 And POLI 210 And PSYC 210

**Humanities and Fine Arts** 6.0

**Select two from the following:** HUMN 211 And HUMN 212

**Physical Education/Health Education** 2.0

**Select** HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

**Select from:**

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Professional Education Courses** 23.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 450 And EDMG 470 And EDUC 490

**Middle Grades Core Courses** 18.0

EDMG\* 400 And ENGL 301 And READ\* 320 And SPED 320 And select two depending upon second concentration options: EDMG 433 Or EDMG 461 Or EDMG 462 Or EDMG 463

(Admission to Teacher Education required for EDMG 400, READ 320, EDMG 433, EDMG 461, EDMG 462, EDMG 463)

**Reading Concentration** 18.0

READ 316 And READ 370 And READ 390 And READ 400 And READ 422 And READ 441

**Second Academic Concentration: Select from the following:** 18

Language Arts Concentration: ENGL 231 And ENGL 341 And select one: ENGL 211 Or ENGL 212 And select one: ENGL 240 Or ENGL 311 Or ENGL 321 And select one: ENGL 230 Or READ 316 Or READ 370 And select one: READ 390 Or READ 420 Or READ 422

Social Studies Concentration: HIST 390 And POLI 321 And select one: ECON 200 Or ECON 211 Or ECON 212 And select one: HIST 311 Or HIST 312 Or HIST 331 And select one: HIST 270 Or HIST 370 Or HIST 375 And select one: GEOG 210 Or GEOG 220

Mathematics Concentration: MATH 142 And MATH 150 And MATH 241 And MATH 251 And MATH 262 And STAT 202

*Academic Programs: School of Education - 251*

Science Concentration: BIOL 150 And GEOL 311 And NSCI 110 And ZOOL 110 And select one: ASTR 111 Or ASTR 112

Special Education Concentration: SPED 410 And SPED 460 And SPED 465 And SPED 480 And two electives selected with Special Education advisor.

Core Academic Studies Concentration: Select two: READ 316 Or READ 370 Or READ 390 Or READ 422 And choose one sequence: MATH 124-129 Or MATH 129-130 Or MATH 130-133 And choose two: ASTR 111 Or ASTR 112 Or ZOOL 110

**Bachelor of Science in Middle Grades Education with a concentration in Science**

<b>Major Requirements</b>	<b>Credits</b>
<b>Total Credit Hours</b>	<b>137.0</b>
Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.	
<b>University College Core Curriculum</b>	<b>60.0</b>
<b>Freshman Seminar/University Studies*</b>	<b>2.0</b>
<b>Select one option from the following:</b> UNIV 101 And UNIV 102 Or UNIV 110	
<b>Critical Thinking**</b>	<b>3.0</b>
PHIL 110	
<b>English Composition***</b>	<b>6.0</b>
ENGL 110 And ENGL 120	
<b>Speech</b>	<b>3.0</b>
SPEE 200	
<b>Mathematics****</b>	<b>6.0</b>
MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150	
<b>Natural Sciences</b>	<b>8.0</b>
NSCI 110 And NSCI 120	
<b>History and Social Sciences</b>	<b>15.0</b>
HIST 110 And HIST 211 And HIST 212 And POLI 210 And PSYC 210	
<b>Humanities and Fine Arts</b>	<b>6.0</b>
<b>Select two from the following:</b> HUMN 211 And HUMN 212	
<b>Physical Education/Health Education</b>	<b>2.0</b>
<b>Select</b> HEED 112 Or two from the following: PEDU 101 to PEDU 141	
<b>University College Restricted Electives</b>	<b>9.0</b>
<b>Select from:</b> History and Social Sciences options above. Humanities and Fine Arts options above. 6 credits of foreign language sequence. 3 credits of any 100- or 200-level class.	

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students

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with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Professional Education Courses** 23.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 450  
And EDMG 470 And EDUC 490

**Middle Grades Core Courses** 18.0

EDMG\* 400 And ENGL 301 And READ\* 320 And SPED 320 And select two depending upon  
second concentration options: EDMG 433 Or EDMG 461 Or EDMG 462 Or EDMG 463  
(Admission to Teacher Education required for EDMG 400, READ 320, EDMG 433, EDMG  
461,EDMG 462,EDMG 463)

**Science Concentration** 18.0

BIOL 150 And GEOL 311 And NSCI 110 And ZOOL 110 And select one: ASTR 111 Or ASTR  
112

**Second Academic Concentration: Select from the following:** 18

Language Arts Concentration: ENGL 231 And ENGL 341 And select one: ENGL 211 Or ENGL  
212 And select one: ENGL 240 Or ENGL 311 Or ENGL 321 And select one: ENGL 230 Or  
READ 316 Or READ 370 And select one: READ 390 Or READ 420 Or READ 422

Social Studies Concentration: HIST 390 And POLI 321 And select one: ECON 200 Or ECON  
211 Or ECON 212 And select one: HIST 311 Or HIST 312 Or HIST 331 And select one: HIST  
270 Or HIST 370 Or HIST 375 And select one: GEOG 210 Or GEOG 220

Mathematics Concentration: MATH 142 And MATH 150 And MATH 241 And MATH 251 And  
MATH 262 And STAT 202

Special Education Concentration: SPED 410 And SPED 460 And SPED 465 And SPED 480 And  
two electives selected with Special Education advisor.

Reading Concentration: READ 316 And READ 370 And READ 390 And READ 400 And  
READ 422 And READ 441

Core Academic Studies Concentration: Select two: READ 316 Or READ 370 Or READ 390 Or  
READ 422 And choose one sequence: MATH 124-129 Or MATH 129-130 Or MATH 130-134  
And choose two: ASTR 111 Or ASTR 112 Or ZOOL 110

**Bachelor of Science in Middle Grades Education with a concentration in Special  
Education**

**Major Requirements** Credits

**Total Credit Hours** 137.0

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in  
all education courses, including Teacher Internship.

**University College Core Curriculum** 60.0

*Academic Programs: School of Education - 253*

**Freshman Seminar/University Studies\*** 2.0

Select one option from the following: UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** 3.0

PHIL 110

**English Composition\*\*\*** 6.0

ENGL 110 And ENGL 120

**Speech** 3.0

SPEE 200

**Mathematics\*\*\*\*** 6.0

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or  
MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** 8.0

NSCI 110 And NSCI 120

**History and Social Sciences** 15.0

HIST 110 And HIST 211 And HIST 212 And POLI 210 And PSYC 210

**Humanities and Fine Arts** 6.0

Select two from the following: HUMN 211 And HUMN 212

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 9.0

Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.

6 credits of foreign language sequence.

3 credits of any 100- or 200-level class.

**Notes**

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Professional Education Courses** 23.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 450  
And EDMG 470 And EDUC 490

**Middle Grades Core Courses** 18.0

EDMG\* 400 And ENGL 301 And READ\* 320 And SPED 320 And select two depending upon second concentration options: EDMG 433 Or EDMG 461 Or EDMG 462 Or EDMG 463  
(Admission to Teacher Education required for EDMG 400, READ 320, EDMG 433, EDMG 461, EDMG 462, EDMG 463)

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**Special Education Concentration** **18.0**

SPED 410 And SPED 460 And SPED 465 And SPED 480 And two electives selected with Special Education advisor.

**Second Academic Concentration: Select from the following:** **18**

Language Arts Concentration: ENGL 231 And ENGL 341 And select one: ENGL 211 Or ENGL 212 And select one: ENGL 240 Or ENGL 311 Or ENGL 321 And select one: ENGL 230 Or READ 316 Or READ 370 And select one: READ 390 Or READ 420 Or READ 422

Social Studies Concentration: HIST 390 And POLI 321 And select one: ECON 200 Or ECON 211 Or ECON 212 And select one: HIST 311 Or HIST 312 Or HIST 331 And select one: HIST 270 Or HIST 370 Or HIST 375 And select one: GEOG 210 Or GEOG 220

Mathematics Concentration: MATH 142 And MATH 150 And MATH 241 And MATH 251 And MATH 262 And STAT 202

Science Concentration: BIOL 150 And GEOL 311 And NSCI 110 And ZOOL 110 And select one: ASTR 111 Or ASTR 112

Reading Concentration: READ 316 And READ 370 And READ 390 And READ 400 And READ 422 And READ 441

Core Academic Studies Concentration: Select two: READ 316 Or READ 370 Or READ 390 Or READ 422 And choose one sequence: MATH 124-129 Or MATH 129-130 Or MATH 130-135 And choose two: ASTR 111 Or ASTR 112 Or ZOOL 110

**Bachelor of Science in Middle Grades Education with a concentration in Social Studies**

**Major Requirements** **Credits**

**Total Credit Hours** **131.0**

Student must fulfill all requirements for admission to Teacher Education. Grade of C or higher in all education courses, including Teacher Internship.

**University College Core Curriculum** **54.0**

**Freshman Seminar/University Studies\*** **2.0**

**Select one option from the following:** UNIV 101 And UNIV 102 Or UNIV 110

**Critical Thinking\*\*** **3.0**

PHIL 110

**English Composition\*\*\*** **6.0**

ENGL 110 And ENGL 120

**Speech** **3.0**

SPEE 200

**Mathematics\*\*\*\*** **6.0**

MATH 121 Or MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 140 Or MATH 142 Or MATH 150

**Natural Sciences** **8.0**

NSCI 110 And NSCI 120

**History and Social Sciences** **15.0**

HIST 110 And HIST 211 And HIST 212 And POLI 210 And PSYC 210

**Humanities and Fine Arts** 6.0

Select two from the following: HUMN 211 And HUMN 212

**Physical Education/Health Education** 2.0

Select HEED 112 Or two from the following: PEDU 101 to PEDU 141

**University College Restricted Electives** 3.0

Select from:

History and Social Sciences options above.

Humanities and Fine Arts options above.

3 credits of any 100- or 200-level class.

### Notes

\* UNIV 101-102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits.

\*\* PHIL 110 not required for students with 60+ transfer credits.

\*\*\* ENGL 108 and additional credits in ENGL 110-120 may be required based on profile scores.

\*\*\*\* Additional mathematics courses and additional credits in MATH 121-123 may be required based on profile scores.

Students are not permitted to complete BIOL 110 and NSCI 120 to fulfill Natural Science requirements.

**Program Requirements** 77.0

**Professional Education Courses** 23.0

EDUC 210 And EDUC 211 And EDUC 310 And EDUC 330 And EDUC 340 And EDUC 450  
And EDMG 470 And EDUC 490

**Middle Grades Core Courses** 18.0

EDMG\* 400 And ENGL 301 And READ\* 320 And SPED 320 And select two depending upon second concentration options: EDMG 433 Or EDMG 461 Or EDMG 462 Or EDMG 463  
(Admission to Teacher Education required for EDMG 400, READ 320, EDMG 433, EDMG 461, EDMG 462, EDMG 463)

**Social Studies Concentration** 18.0

HIST 390 And POLI 321 And select one: ECON 200 Or ECON 211 Or ECON 212 And select one: HIST 311 Or HIST 312 Or HIST 331 And select one: HIST 270 Or HIST 370 Or HIST 375  
And select one: GEOG 210 Or GEOG 220

**Second Academic Concentration: Select from the following:** 18

Language Arts Concentration: ENGL 231 And ENGL 341 And select one: ENGL 211 Or ENGL 212 And select one: ENGL 240 Or ENGL 311 Or ENGL 321 And select one: ENGL 230 Or READ 316 Or READ 370 And select one: READ 390 Or READ 420 Or READ 422

Mathematics Concentration: MATH 142 And MATH 150 And MATH 241 And MATH 251 And MATH 262 And STAT 202

Science Concentration: BIOL 150 And GEOL 311 And NSCI 110 And ZOOL 110 And select one: ASTR 111 Or ASTR 112

Special Education Concentration: SPED 410 And SPED 460 And SPED 465 And SPED 480 And two electives selected with Special Education advisor.

Reading Concentration: READ 316 And READ 370 And READ 390 And READ 400 And

READ 422 And READ 441

Core Academic Studies Concentration: Select two: READ 316 Or READ 370 Or READ 390 Or READ 422 And choose one sequence: MATH 124-129 Or MATH 129-130 Or MATH 130-136 And choose two: ASTR 111 Or ASTR 112 Or ZOO 110

## **Military Education**

Fayetteville State University at Fort Bragg has the reputation as one of the nation's top military-friendly universities. As a provider of higher education to military personnel on Fort Bragg, the University is unalterably committed to its military neighbors. Our dedicated faculty, staff and administrators remain flexible in support of all involved in military education at Fort Bragg. And because we understand first hand the perspective of the active duty and activated reserve student, we make available the monetary, personnel and facility resources necessary to provide the same quality educational experienced for Service members and their families as those enjoyed by our on-campus students. Our motto is "People First - Mission Always" as we continue to seek ways to become a best-value provider of Soldiers' educational needs.

### **Department of Aerospace Studies (Air Force ROTC)**

#### **Minors**

- Minor in Military Technologies

### **Department of Military Science (Army ROTC)**

#### **Department of Aerospace Studies (Air Force ROTC)**

The Air Force Reserve Officer Training Corps (AFROTC) program is a voluntary educational program designed to provide college students an opportunity to earn an Air Force commission while simultaneously working toward a degree. The program exists in two parts, the General Military Course and the Professional Officers Course. Students normally attend a summer field-training encampment between the sophomore and junior years, or second and third years of the program. The Department also offers a Minor in Military Technologies; this minor is open to all students and is not limited to students enrolled in AFROTC.

#### **General Military Course (GMC)**

The General Military Course is the first half of the AFROTC program and is taken during the freshman and sophomore years. There is no selection process to enter this portion of the program. The General Military Course allows students the opportunity to gain a greater appreciation for AFROTC, Air Force officers, and the Air Force. Students at this level learn about the organization of the Air Force, officership, career opportunities, and the historical development of the Air Force. Once successfully completing the General Military Course, the next phase is the Professional Officers Corp. Students participate in ARSS 421 and ARSS 422 in lieu of the core curriculum physical education requirements.

#### **Professional Officers Course (POC)**

The Professional Officers Course is the second half of the AFROTC program, and entry is competitive. Students are selected to enter the POC based on their ability to maintain certain academic and physical



standards. Those selected attend a four-week field-training encampment during the summer at the end of their sophomore or second year.

### **Two-year program**

Candidates attend a five-week encampment. Field training must be successfully completed prior to acceptance into the Professional Officers Course for all cadets and candidates. Individuals accepted into the Professional Officers Course are considered officer candidates and are in line to be commissioned as second lieutenants into the United States Air Force. This portion of the program offers advanced training in leadership, management, and communication skills.

### **Professional Development Programs**

The Air Force ROTC program provides numerous summer opportunities. Field training (taken prior to entering the Professional Officers Course) allows students to experience the Air Force environment. This experience includes career orientation, junior officer training, aircraft indoctrination, physical fitness, and familiarization with the organizations and functions of an Air Force base. Students are paid during their stay at field training.

In addition to the field-training program, several motivational programs are available to help cadets become more familiar with Air Force life and their desired career fields. These voluntary programs include:

- Air Force Academy Soaring Program (SOAR)
- Air Force Academy Basic Freefall Parachute Training (AFAFF)
- Operation Air Force (OAF)
- British Exchange (BREX)
- Pentagon Internship Program (PENT)
- Nurse Orientation Program (NOP)
- Army Airborne Training (AAT)
- Field Engineering and Research Lab (FERL)
- Combat Survival Training (CST)
- Foreign Language Immersion Program (FLI)

Students participating in these programs are financially compensated. During each academic year, the cadet corps also schedules field trips to various military installations.

### **Scholarships**

AFROTC offers the opportunity for students attaining a 2.5 GPA or better to compete for three-year or two-year scholarships. These scholarships pay tuition, laboratory fees, textbooks and incidental fees. The recipient also receives a nontaxable stipend each month during the academic year. Four-year and three-year scholarships are offered to graduating high school seniors on a competitive basis. These scholarships also pay full tuition, lab fees, textbooks, incidental fees, and a nontaxable stipend each month. High school students should apply early in their senior year, 1 June to 1 December, for this scholarship.

AFROTC also offers a Pre-Health scholarship which pays for up to three years of undergraduate study and commits to paying for medical school once the recipient is accepted to an accredited school of medicine.

## ***258 – Academic Programs: Military Education***

### **Degree Requirements**

To be commissioned, students must earn a bachelor's or master's degree offered by the university. The Department of Aerospace Studies does not offer a degree, but accepts all university degrees. In a partnership arrangement, the university educates students and grants them degrees; the Department of Aerospace Studies ensures that graduated cadets have the knowledge and awareness to put their education and degrees to use within the Air Force.

### **Eligibility Requirements**

Eligibility for the General Military Course (GMC) requires each student to enroll in the ARSS 111 (for freshmen students) or 211 (for sophomore and higher students) level course. During this period, students/cadets are evaluated on academic and corps activities, and compete for acceptance into the Professional Officers Course. Students entering the Professional Officers Course must accomplish the following:

- Be a U.S. citizen by enlistment date
- Be a full-time college student
- Have no history of asthma
- Have no history of drug abuse
- Be medically certified by Air Force medical personnel (arranged by the department)
- Minimum civil involvement (traffic tickets, etc)
- Pass physical fitness test prior to attending field training
- Be of good moral character and academic standing.
- Attain qualifying score on the Air Force Officers Qualification Test
- Successfully complete GMC classes and attend the four-week field-training encampment, or five-week field-training encampment for the two-year program candidates.

### **Minor in Military Technologies**

#### **Total Credit Hours**

**16.0**

ARSS 111 And ARSS 112 And ARSS 211 And ARSS 212 And ARSS 311 And ARSS 312 And ARSS 411 And ARSS 412

### **Department of Military Science (Army ROTC)**

Fayetteville State University has a cross-enrollment program with Methodist College, whereby FSU students can pursue a commission in the United States Army, and Methodist College students can pursue a commission in the United States Air Force. FSU students can enroll in classes conducted by the Department of Military Science at Fayetteville State University.

The Military Science curriculum is a leadership development program that enhances students' academic endeavors and develops men and women for positions of responsibility as commissioned officers in the active Army and its reserves. The program has two components: the Basic and Advanced courses.

The Basic Course is normally taken during the freshman and sophomore years. No military commitment is incurred, and the student is permitted to withdraw at any point. Two 100-level Military Science courses (101,102) and two 200-level (201, 202) courses are required.

After completing the Basic Course, students may enroll in the Advanced Course, provided that they have demonstrated officer potential and have a cumulative GPA of 2.0 or higher. The Advanced Course covers the final two years of college, which includes a paid (approximately \$800) five-week Advanced Camp held at Fort Lewis, Washington during the summer between the student's junior and senior years. Advanced Course cadets also receive \$300 - \$400 every academic month. Instruction includes leadership development, oral and written communication skills, military organization, logistical management, small-unit tactics, training management, military history, and practical leadership experience.

The Leadership Development and Assessment Course provides a realistic taste of leadership as cadets put into practice the principles and theories acquired in the classroom. Students who wish to enter the Advanced Course and who did not complete the Basic Course may fulfill them by attending a six-week Leader's Training Course at Fort Knox, Kentucky, during the summer between their sophomore and junior years. Veterans automatically qualify for Advanced Course placement. Prior to commissioning, ROTC cadets must also fulfill professional military education (PME) requirements by taking courses in human behavior, written communication, computer literacy, and math reasoning. Three and two-year scholarships are available on a competitive basis. The scholarships pay for college tuition, textbooks, and laboratory fees, plus a \$200 - \$400 monthly stipend.

### Course Descriptions

All course descriptions carry behind the name and number a parenthesis ( ) indicating the credit hours, lecture hours, and the lab hours per week. For example: NSCI 110 (4-3-2). The first number in the parenthesis indicates the credit value of the course (4); the second number indicates the number of lecture hours (3) per week; and the third number indicates the number of lab hours per week (2).

**ACCT 211 (3-3-0) Principles of Accounting I:** An introduction to financial accounting. A study of the basic concepts of accounting, the accounting cycle and preparation of financial statements, and analyzing and recording transactions for operating, investing and financing activities.

**Prerequisite:** MATH 121 Or MATH 123 Or MATH 121 Or MATH 123

**ACCT 212 (3-3-0) Principles of Accounting II:** An introduction to managerial accounting. A study of the uses of financial statements; the study of manufacturing operations and the uses of accounting information by management.

**Prerequisite:** ACCT 211 Or ACCT 211

**ACCT 300 (3-3-0) Accounting Information Systems:** This course provides basic knowledge of how accounting information systems function in business organization. Transaction flowcharting and internal controls of the revenue, expenditure and conversion cycles are covered in detail. Attention is also focused on basic computer terminology, EDP controls, and relational databases.

**Prerequisite:** (ACCT 211 with a minimum grade of B And ACCT 212 with a minimum grade of B) Or (ACCT 211 with a minimum grade of B And ACCT 212) Or (ACCT 211 And ACCT 212 with a minimum grade of B)

**ACCT 310 (3-3-0) Managerial Accounting:** A continuation of ACCT 212. A study of cost terms, cost behavior, systems design, and the analysis, interpretation, and use of accounting data by management for planning and controlling business operations and for decision-making purposes.

**Prerequisite:** (ACCT 211 And ACCT 212) Or (ACCT 211 And ACCT 212) Or (ACCT 211 And ACCT 212) Or (ACCT 211 And ACCT 212)

**ACCT 311 (3-3-0) Intermediate Accounting I:** A continuation of ACCT 212. A study of cost terms, cost behavior, systems design, and the analysis, interpretation, and use of accounting data by management for planning and controlling business operations and for decision-making purposes.

**Prerequisite:** ACCT 211 with a minimum grade of B Or ACCT 211 And ACCT 212 with a minimum grade of B

**ACCT 312 (3-3-0) Intermediate Accounting II:** A continuation of Intermediate Accounting I. An in-depth study of accounting for investing and financing activities, leases, income taxes, and pensions.

**Prerequisite:** ACCT 311 Or ACCT 311

**ACCT 320 (3-0-0) Federal and State Income Taxes:** A survey of basic tax laws and determination of taxable income with special attention to individuals; introduction to tax research.

**Prerequisite:** ACCT 211 with a minimum grade of B And ACCT 212 with a minimum grade of B Or ACCT 211 And ACCT 212 with a minimum grade of B Or ACCT 211 with a minimum grade of B And ACCT 212 Or ACCT 211 And ACCT 212

**ACCT 321 (3-3-0) Cost Accounting:** A study of the various cost concepts: accumulation of product costs, joint costs in job order and process cost systems, including analysis of variances for managerial control and decision making, direct and variable costing, cost-volume-profit analysis; the buy or make decision.

**Prerequisite:** ACCT 211 with a minimum grade of B And ACCT 212 with a minimum grade of B Or ACCT

211 And ACCT 212 with a minimum grade of B Or ACCT 211 with a minimum grade of B And ACCT 212  
Or ACCT 211 And ACCT 212

**ACCT 322 (3-3-0) Advanced Cost Accounting:** A continuation of ACCT 321: budgets and analyses of costs and other variances for management action; capital budgeting, and operations management and yield variances.

**Prerequisite:** ACCT 321 Or ACCT 321

**ACCT 411 (3-3-0) Advanced Accounting:** Accounting and reporting for investment activities of business. Issues related to foreign currency, accounting diversity, disaggregated information, reorganizations, and liquidations.

**Prerequisite:** ACCT 312 Or ACCT 312

**ACCT 412 (3-3-0) Government and Public Accounting:** A study of accounting for not-for-profit entities, such as local, state, and federal units of government, and educational institutions, hospitals, health care, and welfare organizations; the classification and use of funds in such entities, including budgeting, purchasing and financial activities, presentation of financial reports by these types of organizations.

**Prerequisite:** ACCT 312 Or ACCT 312

**ACCT 420 (3-3-0) Advanced Federal Income Taxes:** A continuation of ACCT 320: tax laws applicable to corporations, partnerships, trusts, estates, gift tax, and tax planning; substantive research work resulting in formal reports.

**Prerequisite:** ACCT 320 Or ACCT 320

**ACCT 422 (3-3-0) Auditing:** This course covers the conceptual and practical aspects of the examination of financial statements by independent accountants. Issues examined include: objectives and techniques of internal control; standards of presentation and disclosure in financial statements; objectives and procedures for auditing practice; statistical sampling techniques; and auditing of EDP records.

**Prerequisite:** ACCT 312 Or ACCT 312

**ACCT 430 (3-3-0) Accounting Theory:** A study of contemporary financial accounting issues, emphasizing the role of accounting theory in accounting policy decisions, the social, political, and economic influences on accounting standard setting, and the history of the accounting profession and accounting thought.

**Prerequisite:** ACCT 312 Or ACCT 312

**ACCT 450 (3-3-0) Accounting Internship:** This course provides students with practical experience in the field of accounting in the private and public organizations including industry. Formal class meetings before and after internship are required to evaluate the work experience of students. Program must be arranged in advance and approved by the department chairperson. Course is not open to students with credit from any similar program in the institution.

**ADMS 320 (3-3-0) Administrative Services:** This course is designed to provide for the development of basic desktop publishing concepts and skills which include the essentials of production and design, type and layout, and graphics and text for business and technical applications.

**Prerequisite:** BEDU 110

**ANTH 210 (3-3-0) Introduction to Anthropology:** An introduction to the history and methods of anthropology, with special emphasis on early hominid and cultural evolution, the comparative study of social institutions, and the nature of cultural differences as they exist in traditional and modern societies.

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**ARSS 111 (1-1-2) Foundation of the USAF I:** ARSS 111 is a survey course designed to introduce cadets to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, and an introduction to communication skills. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

**ARSS 112 (1-1-2) Foundations of the USAF II:** ARSS 112 is a continuation of ARSS 111.

**ARSS 211 (1-1-2) Evolution of Air and Space Power:** This course is designed to examine the general aspects of air and space power through a historical perspective. Utilizing this perspective, the course covers a time period from the first balloons and dirigibles to the space-age global positioning systems of the Persian Gulf War. Historical examples are provided to extrapolate the development of Air Force capabilities (competencies), and missions (functions) to demonstrate the evolution of what has become today's USAF air and space power. Furthermore, the course examines several fundamental truths associated with war in the third dimension: e.g. Principles of War and Tenets of Air and Space Power. As a whole, this course provides the cadets with a knowledge level understanding for the general element and employment of air and space power, from an institutional doctrinal and historical perspective. In addition, the students will continue to discuss the importance of the Air Force Core Values, through the use of operational examples and historical Air Force leaders, and will continue to develop their communication skills. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

**ARSS 212 (1-1-2) Evolution Air and Space Power II:** ARSS 212 is a continuation of ARSS 211.

**ARSS 311 (3-3-2) Air Force Leadership Studies I:** This course guides the student through a study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, leadership ethics, and the communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply the leadership and management principles of this course.

**ARSS 312 (3-3-2) Air Force Leadership Study II:** ARSS 312 is a continuation of ARSS 311.

**ARSS 411 (3-3-0) National Security Affairs and Prep Ac:** ARSS 411 examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining verbal and written communication skills. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences, giving students the opportunity to apply the leadership and management principles of this course.

**ARSS 412 (3-3-2) National Security Affairs and Prep II:** ARSS 412 is a continuation of ARSS 411.

**ARSS 421 (1-0-3) Physical Education and Training:** This course is designed to introduce the student to physical fitness and the regulations and components of the Air Force Physical Fitness Assessment. Information on various topics contributing to a fit lifestyle (such as nutrition and hydration, the benefits of aerobic and anaerobic exercise, running shoe selection, etc.) will be interwoven throughout the course. The course will involve calisthenics, introduction to various sports, and running.

**ARSS 422 (1-0-3) Physical Education and Training:** This course is designed to introduce the student to physical fitness and the regulations and components of the Air Force Physical Fitness Assessment. Information on various topics contributing to a fit lifestyle (such as nutrition and hydration, the benefits of aerobic and anaerobic exercise, running shoe selection, etc.) will be interwoven throughout the course. The course will involve calisthenics, introduction to various sports, and running.

**ART 110 (3-0-6) 2D Design:** An introductory course in two-dimensional design. It provides a basic understanding of elements and principles of design as they relate to drawing, painting, and the graphics arts.

**ART 121 (3-0-6) Basic Drawing:** The study of basic principles of freehand drawing. This course emphasizes the elements and principles of art through self expression and utilizes a variety of drawing media.

**ART 123 (3-0-6) Basic Digital Design:** This course is a basic introduction of computer-based skills in the area of visual design. Limited graphic skills will be introduced to assist in self-marketing, advertising techniques, layout, and computer generated images.

**Prerequisite:** ART 110 Or ART 110

**ART 210 (3-3-0) Survey of Art:** A general study of the visual arts and their use in business, industry, education, leisure activities, and culture.

**ART 211 (3-3-0) Introduction to Art History:** A study of the history of architecture, sculpture, painting, and the minor arts, with an historical summary of art form developments in various cultures.

**ART 212 (3-3-0) Introduction to Painting:** The study of theories, methods, and painting techniques for landscapes, still-lives, and varied compositions with special emphasis on the elements and principles of art in painting.

**Prerequisite:** ART 121 Or ART 121

**ART 222 (3-3-0) Advanced Drawing:** The study of compositional development through experimental drawing. This course emphasizes the technical expansion of drawing techniques with varied drawing media and subjects.

**Prerequisite:** ART 121 Or ART 121

**ART 223 (3-0-6) Figure Drawing I:** An in-depth investigation of the figure as a means of exploring drawing as depiction, organizational device, metaphor and object. Students will explore various dry and mixed media such as pastel, color pencil, collage techniques. This course is designed for the advanced art major who seeks to master observation, interpretation, and foundation skills in figure drawing.

**Prerequisite:** ART 121 Or ART 121

**ART 226 (3-0-6) Typography:** This course will provide discussion and exploration of the basic rules and principles of type as an artistic, mechanical, and advertising medium.

**Prerequisite:** ART 123 Or ART 123

**ART 230 (3-0-6) Introduction to Ceramics:** The study and use of ceramic processes and techniques, including: hand forming, molding, introduction to wheel throwing, glaze utilization, and kiln operation.

**ART 231 (3-0-6) Introduction to Sculpture:** A course which introduces basic three dimensional design principles and the application of those principles in a variety of traditional sculpture techniques.

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**ART 310 (3-1-5) Creative Art Experiences for Young Children:** A study of the planning and organization of creative art activities for children from kindergarten through the third grade.

**ART 311 (3-0-6) Arts and Crafts:** An introduction to simple sculptured forms, construction, printing, carving, weaving, modeling, and lettering, and to the handling of such materials as wood, metal, clay, fabrics, and paper.

**ART 312 (3-0-6) Drawing and Painting:** An introduction to the fundamentals of landscape, still life, and portrait drawing and painting, with special emphasis on line, form, texture, and color in objective and non-objective art.

**Prerequisite:** ART 212 Or ART 212

**ART 313 (3-0-6) Figure Drawing II:** This course focuses on the figure as a central motif in the manipulation of space and pictorial investigation. Students will explore various wet pigment and dry media such as ink, watercolor, acrylic, and oil pigments. This course is designed for the advanced art major concentrating on mastering interpretative and technical aspects concerns of figurative representation.

**Prerequisite:** ART 121 Or ART 121

**ART 321 (3-3-0) Ancient to Medieval Art:** This course provides a detailed examination of visual art from ancient to medieval times. Students explore architecture, sculpture, and painting in relation to, background history, traditions, and cultural attributes. Museum and gallery visits, photographic slide presentations, and lectures will be integral elements in the course.

**ART 322 (3-3-0) Renaissance to Modern Art:** This course provides a detailed examination of visual art from the Renaissance to the modern period. Students explore architecture, sculpture and painting in relation to, background history, traditions, and cultural attributes of art forms. Museum and gallery visits, photographic slide presentations, and lectures will be integral elements in the course.

**ART 330 (3-0-6) Computer Imaging in Visual art:** This course investigates the concept and techniques of applying computer imaging to fine art. Macintosh and IBM computers will be used to generate desktop publishing from creative graphics. Focus will be given to the leading graphic software applications.

**Prerequisite:** ART 110 And ART 121 Or ART 110 And ART 121 Or ART 110 And ART 121 Or ART 110 And ART 121

**ART 331 (3-0-6) Color Theory and Techniques:** The study of color theories, color harmonies, and the orchestration of colors in design composition and nature to express symbolic, psychological, and aesthetic ideas.

**Prerequisite:** ART 110 Or ART 110

**ART 340 (3-3-0) Woman, Culture and Imaging:** This course focuses on how Western aesthetics and cultural ideology have shaped women's relationships to the visual arts from the medieval period to the present.

**ART 341 (3-0-5) Leathercraft:** A course in the design and production of craft projects fashioned in leather or with leather decoration.

**ART 352 (3-0-6) Commercial Art:** A study of working theories and practical applications of design linked to the sale or promotion of a product or commodity. Skills developed include fashion design, cartooning, illustrating, lettering, and package design, as well as photographic, and airbrush techniques.

**Prerequisite:** ART 110 And ART 121 And ART 330 Or ART 110 And ART 121 And ART 330 Or ART



110 And ART 121 And ART 330 Or ART 110 And ART 121 And ART 330 Or ART 110 And ART 121 And ART 330 Or ART 110 And ART 121 And ART 330 Or ART 110 And ART 121 And ART 330

**ART 353 (3-0-6) Introduction to Printmaking:** A course exploring the art of the print by applying fundamental techniques in serigraphy, woodcuts, and intaglio with an emphasis on expanding options for creative expression.

**Prerequisite:** ART 110 And ART 121 Or ART 110 And ART 121 Or ART 110 And ART 121 Or ART 110 And ART 121

**ART 354 (3-0-6) Advanced Printmaking:** This course moves the student into technical areas of printing to include the following: photo-silk screening, creative techniques in screening, and other advanced techniques.

**Prerequisite:** ART 110 And ART 121 And ART 353 Or ART 110 And ART 121 And ART 353 Or ART 110 And ART 121 And ART 353 Or ART 110 And ART 121 And ART 353 Or ART 110 And ART 121 And ART 353

**ART 355 (3-0-6) Multi-Media Print:** A course designed to explore and combine traditional printmaking techniques with digital, computer generated, and other photo-based technologies.

**Prerequisite:** ART 353 Or ART 353

**ART 361 (3-3-0) African Negro Art:** An introduction to the regional art of Africa, with attention given to historical, sociological, and theological backgrounds.

**ART 362 (3-3-0) African-American Art from 1800:** A survey of works by African-American artists, including an investigation of the historical and environmental influences on contemporary black art.

**ART 365 (3-3-0) History of Photography:** The history of photography is traced from its inception to modern times. The advent of the camera and a prognostication of its destiny are contemplated. The course includes lecture, darkroom laboratory work, and field experience. Color, black and white, and digital photography are included. Photographic essay and thesis are required.

**ART 371 (3-0-6) Clay Modeling I:** A course in clay modeling where students work from the figure to understand systems of sculpting from life.

**Prerequisite:** ART 121 Or ART 121

**ART 372 (3-0-6) Clay Modeling II:** A course that instructs students in the process of mold-making and the preparation for casting in metal, plaster, hydrocal, or concrete.

**Prerequisite:** ART 121 Or ART 121

**ART 380 (3-3-0) Art Education: Methods and Materials:** This course focuses on the creative abilities of the elementary school child. The course will explore the graphic abilities of the child, the philosophy of sequential learning, and various production techniques and processes appropriate for elementary school. In addition to creating and executing production lesson plans, students will learn to discuss exemplary works of art with the elementary student. Required course for Art Education Majors.

**ART 391 (3-3-0) Computer Graphics in Fine Arts:** This course explores the development of computers as a tool to produce art. This class will allow students to experience the creation of their own art using computers, and to understand the concepts and rules of fine art production as they relate to this medium.

**Prerequisite:** ART 123 Or ART 123

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**ART 400 (1-0-1) Art Thesis:** A course involving individual projects that investigate survival strategies, materials and techniques, theory of art, methods of criticism, and exhibition and presentation in the selected area. Intended for specialized studies in painting, ceramics, sculpture, graphics, and art history.

**ART 410 (3-3-0) Art Criticism:** A course aimed at the evaluation of art concepts, the philosophy of aesthetics, and an analytical approach to discussing art forms.

**Prerequisite:** ART 321 And ART 322 Or ART 321 And ART 322 Or ART 321 And ART 322

**ART 411 (3-2-1) Art in Childhood Education:** An investigation into the problems in children's art, the nature of art for children, art for creative expression, and the correlation of art with other subjects, with practical experience in the making and the teaching of simple art projects and activities appropriate to elementary school children.

**ART 412 (3-0-6) Advanced Painting:** The study of painting techniques and composition, emphasizing a variety of painting media and the treatments of surface and subject matter to the development of styles.

**Prerequisite:** ART 121 And ART 212 Or ART 121 And ART 212 Or ART 121 And ART 212

**ART 413 (3-3-0) Direct Study in Advanced Painting III:** A directed study course for students seeking contemporary water media painting problems. This course emphasizes the study of design principles, color structure, and fundamental methods of pictorial organization.

**Prerequisite:** ART 121 And ART 212 And ART 412 And ART 212 And ART 412 Or ART 121 And ART 212 And ART 412 Or ART 121 And ART 212 And ART 412 Or ART 121 And ART 212 And ART 412 Or ART 121 And ART 212 And ART 412 Or ART 121

**ART 414 (3-3-0) Directed Study in Advanced Painting IV:** ART 414 Directed Study In Advanced Painting IV: A directed study course for students seeking a comprehensive analysis of painting media, experimentation of painting styles and self-expression.

**Prerequisite:** ART 121 And ART 212 And ART 412 Or ART 121 And ART 212 And ART 412 Or ART 121 And ART 212 And ART 412 Or ART 121 And ART 212 And ART 412 Or ART 121 And ART 212 And ART 412

**ART 422 (3-2-1) Art in the Intermediate Grades(4-9):** A developmental study of creative expression facilitated through art in the intermediate grades, with students required to participate in activities involving a variety of art media such as drawing, painting, graphics, ceramics, etc., to develop a background for teaching art and to refine personal skills for artistic expression.

**Prerequisite:** ART 311 And ART 322 Or ART 311 And ART 322 Or ART 311 And ART 322 Or ART 311 And ART 322

**ART 430 (3-0-6) Ceramics II:** Further study and use of ceramic processes and techniques: hand forming, molding and wheel throwing, glaze utilization, and kiln operation.

**Prerequisite:** ART 230 Or ART 230

**ART 431 (3-0-6) Ceramics III:** A practical course focusing on advanced techniques in wheel throwing, clay formulation, glaze mixing, and glaze application, with students learning "how to," and gathering experience in loading and firing gas and electric kilns. Variable credit may be earned in this course.

**Prerequisite:** ART 430 Or ART 430

**ART 433 (3-3-0) Directed Study in Advanced Printmaking III:** ART 433 Directed Study in Advanced Printmaking III: This course is a directed study for students seeking extensive experimentation in printmaking techniques particular to traditional and contemporary printmaking processes.

**Prerequisite:** ART 353 And ART 354 Or ART 353 And ART 354 Or ART 353 And ART 354 Or ART 353 And ART 353

**ART 434 (3-3-0) Directed Study in Advanced Printmaking IV:** ART 434 Directed Study in Advanced Printmaking IV: A direct study for students seeking to apply their knowledge of advanced printmaking techniques with an emphasis on development of personal style.

**Prerequisite:** ART 354 And ART 433 Or ART 354 And ART 433 Or ART 354 And ART 433 Or ART 354 And ART 433

**ART 440 (3-2-4) Basic Photography:** A course including activities such as camera operation, picture taking, darkroom techniques and procedures, and photo printing. Students must have access to a camera.

**ART 441 (3-3-0) Weaving:** A study of cloth making, with emphasis on design and on the use of hand, floor, and table looms.

**ART 442 (3-3-0) Contemporary Art:** A study of modern art to the present through an analysis of works of art in their historical context.

**ART 450 (3-0-6) Studio Problems:** A course designed for independent work in the student's area of concentration. Advanced studio problems will be investigated. Variable credit may be earned.

**ART 452 (3-0-6) Ceramics IV:** A studio course in advanced ceramics emphasizing formulations of clay bodies and glazes. Advanced wheel throwing, sculpturing, and combing materials. Instruction in kiln repair will be covered.

**Prerequisite:** ART 431 Or ART 431

**ART 453 (3-0-6) Directed Study in Ceramics V:** An advanced directed study in ceramics which explores and emphasizes innovative utilization of slab, coil, and wheel throwing methods. Electric and gas firing, decorative, personalized, advanced glazing, and formulation of techniques will be integral parts of this course.

**Prerequisite:** ART 431 Or ART 431

**ART 461 (3-0-6) Advanced Photography:** A course providing additional and advanced experiences in photographic production through the mastery of photo materials and equipment, with emphasis on visual literacy, the aesthetic manipulation of compositional elements, and successful photographic production.

**Prerequisite:** ART 440 Or ART 440

**ART 462 (3-3-0) American Art:** A course that covers the history of painting, graphics, sculpture, and architecture in American history.

**ART 471 (3-0-6) Wood Working:** A course that emphasizes the fabrication and carving the medium of wood.

**Prerequisite:** ART 231 Or ART 231

**ART 472 (3-0-6) Metals:** A course that emphasizes metal fabrication using torches and connectors and the process of casting in metals.

**Prerequisite:** ART 231 Or ART 231

**ART 473 (3-0-6) Advanced Metals:** This course builds on the basic techniques of casting and fabricating metal sculptures. Application of advanced three-dimensional design principles, mixed media, finishing

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techniques and patinas are explore.

**Prerequisite:** ART 231 Or ART 231

**ART 474 (3-0-6) Subtractive Sculpture:** This course introduces the student to basic reductive techniques in the carving of wood and stone. Hand, power and pneumatic tools are used.

**Prerequisite:** ART 231 Or ART 231

**ART 481 (3-3-0) Computer Design Multimedia:** This course introduces students to interactive art, a form that allows the viewer or user to interact with visual communication. Students will be challenged to produce interactive art through the use of two types of software: PowerPoint and MacroMedia.

**Prerequisite:** ART 110 And ART 352 Or ART 110 And ART 352 Or ART 110 And ART 352 Or ART 110 And ART 352

**ASTR 111 (4-3-2) Astronomy I:** An introductory course in the science of astronomy, with emphasis on the investigation of nearby space ? the sun, moon, and planets - and with laboratory exercises illustrating the scientific methods and techniques used in gathering information about the planets, moons, and other objects in the Solar System.

**ASTR 112 (4-3-2) Astronomy II:** An introductory course in the science of astronomy, with emphasis on the investigation of distant space; the physical nature of stars, galaxies, black holes, and quasars; and on techniques used to gather information about these objects, with laboratory activities illustrating data gathering and interpretation techniques related to stars and galaxies. Students may enroll in ASTR 112 before completing ASTR 111.

**BADM 200 (3-3-0) Principles of Business:** This course provides students with a basic study of business activity and how it relates to the economic society. The course is designed to help students develop a basic understanding of the areas of economics, management, marketing, accounting and finance.

**BADM 209 (3-3-0) Legal Environments of Business:** An overview of law and the legal environment of business, emphasizing those parts of law necessary to understand and appreciate the regulatory role of government and including such topics as constitutional law, contracts, torts, business ethics, business organizations, and government regulations.

**Prerequisite:** ENGL 110 And PHIL 110

**BADM 214 (3-1-2) Microcomputer Applications in Business:** This course is designed to develop an understanding of the computer as a business and personal tool. Students will get a working knowledge of a variety of software programs such as spreadsheets, word processing, databases, and presentations. Projects that simulate business applications are provided.

**BADM 215 (3-3-0) Business Communications:** A course that presents a scientific approach to the analysis and resolution of business problems through business letters, memoranda, and researched analytical reports. Other topics of study include nonverbal communication, business ethics, office automation, employment procedures, international business, and oral and listening skills.

**Prerequisite:** ENGL 120 And SPEE 200

**BADM 216 (4-4-0) Statistics for Business and Economics I:** This course introduces statistical principles for business and economics applications. A study of multiple regression methods, analysis of variance, chi-square and elements of sampling, with training in statistical analysis with computer-based applications.

**Prerequisite:** MATH 140

**BADM 312 (3-3-0) Statistics for Business and Economics II:** A study of multiple regression methods, analysis of variance, chi-square tests, elements of sampling, quality control, and index numbers, with training in statistical analysis with computer-based implementation.

**Prerequisite:** BADM 216

**BADM 352 (3-3-0) Blacks in Contemporary Capitalistic Society:** A study of blacks' contemporary problems in American capitalism. This course emphasizes innovative techniques and procedures aimed at improving conditions for minorities and focuses on topics such as finance, business ownership, internal operations, salesmanship, banking, and managerial techniques.

**BADM 412 (3-3-0) Business Law:** A study of the basic concepts of law applicable to the business profession and business endeavors, covering such topics as contracts, torts, commercial paper, agency, property, business organizations and constitutional protection.

**Prerequisite:** BADM 209

**BADM 430 (3-3-0) Business Internship:** A course providing students with practical experience in approved business positions, including a seminar for formal evaluation of their work experience. Program must be arranged in advance and approved by the department chairperson; course is not open to students with credit from any similar program in the institution.

**BADM 490 (3-3-0) Seminar in Business Administration:** A course involving various subject matters as deemed by the business faculty to be appropriate to the needs of the student in meeting the objectives of the business degree program.

**BEDU 110 (3-3-0) Basic Word Processing:** A course to develop manipulative mastery of the keyboard and basic skills in using the computer for word processing, with special emphasis on sequencing activities and procedures for keyboarding mastery. This course has variable credit. Credit hours for BEDU 110 are three for Office Administration majors and students in other disciplines who take the course to satisfy the CSC requirement. The credit hours are two for Business Education majors.

**BEDU 115 (3-3-0) Intermediate Word Processing:** A course building on the concepts and skills developed in BEDU 110, including the knowledge base required for the practical use of a microcomputer for professional and personal use, with applications such as the production of business correspondence, forms, manuscripts, reports, and tables.

**Prerequisite:** BEDU 110

**BEDU 210 (3-3-0) Introduction to Business:** A course providing an overall picture of business operations and the role of business in the free enterprise system, including the knowledge base for management and organization, the human resource, marketing and consumer-buying behavior, finance and investment, the business environment, the American legal system, and career opportunities in business.

**BEDU 250 (3-0-3) Word/Information Processing:** A course providing for the development of production competencies in word/information processing and a high level of decision-making skills in the operation of microcomputers with emphasis on the development of advanced-level capabilities on the microcomputer.

**Prerequisite:** BEDU 115

**BEDU 315 (3-3-0) Mathematics for Business:** A study of business problems related to mathematics, with attention to topics such as compound interest, annuities, discounting notes, inventory, depreciation, payrolls, stocks and bonds, ratio analysis, and graphs.

**Prerequisite:** MATH 123

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**BEDU 321 (3-3-0) Elementary Shorthand:** A study of the basic principles of Gregg Shorthand, Centennial Series, with emphasis on the development of the ability to apply these principles to the reading and writing of shorthand.

**BEDU 322 (3-3-0) Intermediate Shorthand:** A continuation of BEDU 321, with attention given to gaining proficiency with basic elements of transcription using microcomputers, to constructing outlines for unfamiliar words, and to building higher dictation speeds.

**Prerequisite:** BEDU 321 Or BEDU 250

**BEDU 411 (3-3-0) Administrative Secretarial Procedures:** An expansion of the secretarial knowledge base through presentations of practical problems encountered by the secretarial worker, with emphasis on developing competency in office skills and procedures, including computer applications, reprographics, filing, dictation and transcription, communication techniques, and administrative support services.

**BEDU 450 (3-3-0) Administration and Supervision of Career and Technical Education:** A course addressing present and future problems relating to administering and supervising vocational education programs at the secondary and post-secondary school levels, with the knowledge base emphasizing leadership roles at the local, state, and national levels; advisory committees; vocational student organizations; planning; budgeting; public relations; and evaluation of students and programs.

**BEDU 460 (3-3-0) Coordination Techniques in Career and Technical Education:** A course designed to provide students with an in-depth exploration of the total role of the teacher-coordinator of a vocational program using the cooperative method of instruction, with special attention given to the planning and management procedures needed to integrate effectively classroom instruction with on-the-job learning needs.

**BEDU 490 (3-3-0) Seminar in Business Education:** A seminar providing analyses of problem areas (local, state, and national) of major concern in business education.

**BEDU 492 (1-0-0) Directed Work Experience:** BEDU 492 (1-3,0,15) Directed Work Experience: A supervised work experience for office administration majors, and for business education and marketing education majors seeking vocational teacher certification. Students work in a business setting to gain first-hand work experience. Individually designed for part-time and/or summer experience. One to three credit hours.

**BICH 411 (3-3-0) Biochemistry I:** An introductory course that provides a theoretical basis for the major principles in biochemistry. The course includes an historical perspective of biochemistry, and a study of the four major biological macromolecules: proteins, lipids, carbohydrates, and nucleic acids. Three major areas of biochemistry will be emphasized: (1) acid/base equilibria; (2) structure and function of bio-molecules; and (3) biological information flow. In addition to lectures and discussions, problem sets will be assigned to equip students with an understanding of basic biochemical principles and to promote critical thinking and problem solving skills.

**Prerequisite:** BIOL 200 And CHEM 220 Or CHEM 221

**BICH 412 (3-3-0) Biochemistry II:** A study of bioenergetics, biosynthesis of major biological macromolecules, and metabolic pathways in animals, plants, and microbes. Emphasis will also be placed on methods of purification and analysis of biological macromolecules and applications of basic biochemical principles to living systems. In addition to lectures and discussions, problem sets will be assigned to equip students with an understanding of basic biochemical principles and to promote critical thinking and problem solving skills. The course content will be correlated with the laboratory exercises in the co-requisite Biochemistry laboratory (BICH 421).

**Prerequisite:** BICH 411 Or BICH 421

**BICH 421 (1-0-1) Biochemistry Laboratory:** The application of biochemical principles and techniques to the separation, purification, and analysis of biological substances, and to the investigation of metabolic activity.

**Prerequisite:** BICH 411 And BICH 412 (may be taken concurrently)

**BIOL 110 (4-3-2) General Biology I:** An introductory study of concepts relating to the origin of organisms: cell history, reproduction, structure and function; atomic and molecular structure of the cell; energy relations; structure, composition and systematics of major organic compounds; sexual and asexual reproduction; and genetics and evolution. Includes two (2) hours of lab consisting of qualitative experiments illustrating biological principles and basic laboratory techniques.

**BIOL 130 (4-3-2) General Biology II:** A study of ecology and of systems regulating and supporting the metabolism of organisms. Includes two (2) hours of lab consisting of qualitative experiments in ecology, classification, and the physiology of organisms.

**Prerequisite:** BIOL 110

**BIOL 150 (4-3-2) Principles of Biology:** Study of the major principles relating to the nature of organisms, with emphasis on molecular, cellular, organismic, developmental, and evolutionary concepts, and with two (2) hours of lab consisting of experiments on the analysis of the chemistry of cellular and related materials.

**Prerequisite:** MATH 123

**BIOL 200 (4-3-2) Cellular Biology:** An examination of cell structure in relation to function, including studies of biochemistry, cytogenetics, physiology, reproduction, and the evolution of animal, plant, and bacterial cells.

**Prerequisite:** BIOL 150 And CHEM 140 (may be taken concurrently)

**BIOL 225 (3-3-0) Scientific Communication:** A course designed to introduce students to the principles of oral and written communication. Students will learn how to read, critique, and write a scientific paper; how to conduct literature searches; and how to prepare and present an oral scientific talk. In addition, the ethical issues related to scientific communications and scientific integrity will be discussed.

**BIOL 255 (3-2-2) Principles of Microbiology:** An introduction to the general structure, physiology, metabolism, and genetics of microorganisms. Fundamental principles of immunology and microbial diseases will also be covered. The course includes two (2) hours of lab consisting of applications of essential microbiological techniques. This course does not meet Microbiology course requirement for Biology, Biology Education, Biotechnology, Forensic Sciences, or Pre-professional degree programs.

**Prerequisite:** (BIOL 110 And BIOL 130) Or BIOL 150 Or NSCI 120 And (CHEM 101 (may be taken concurrently) And CHEM 102 (may be taken concurrently) )

**BIOL 320 (1-0-2) Biology Seminar:** A course involving discussions of current topics in modern biology. Student presentations of papers on special issues in biology should be expected.

**BIOL 330 (3-2-2) Microbiology and Immunology:** An introduction to the structure, physiology, ecology and immunological host relationships of prokaryotes and other microorganisms, with two (2) hours of lab consisting of applications of microbiological and immunological techniques.

**Prerequisite:** BIOL 200

**BIOL 350 (3-2-2) Ecology/Evolution:** A study of mechanisms governing the process of organic evolution, evolutionary relationships among living and extinct organisms, and the interactions between organisms and their environment, with two (2) hours of lab consisting of an observational/experimental study of the

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concepts of evolution and ecology.

**Prerequisite:** BIOL 200

**BIOL 430 (3-3-0) Special Problems:** A course involving guided scientific research, field studies, or other special projects.

**BIOL 490 (4-3-2) Radiation Biology:** An introductory course for science majors on the nature and use of radioisotopes, with two (2) hours of lab consisting of basic experiments with radioisotopes using the latest instrumentation.

**Prerequisite:** BIOL 150 And MATH 241 And CHEM 210

**BOTN 210 (3-2-2) General Botany:** An introduction to the morphology, anatomy, physiology, reproduction, taxonomy, and ecology of higher plants, fungi, and algae, with two (2) hours of lab consisting of observation interpretation of the morphology and structure relating to the function, identification, and adaptation of higher plants, fungi, and algae.

**Prerequisite:** BIOL 200

**BTCH 210 (3-3-0) Introduction to Biotechnology:** An introduction to the fundamentals of biotechnology and career options emphasizing the types of biotechnology workplaces and their unique requirements. The course includes a study of the use of mathematics, principles of instrumentation used, and analysis of measurements, solutions, centrifugation, spectrophotometry, chromatography, and electrophoresis. The importance of laboratory safety and precision will also be stressed.

**BTCH 220 (3-0-3) Biotechniques I:** A laboratory course in basic biotechnology theory, skills, and applications. Includes spectrophotometry, gel filtration chromatography, gel electrophoreses, DNA isolation, Restriction enzyme digestion, genetic engineering, DNA fingerprinting, Southern and Western blot analysis.

**Prerequisite:** BIOL 200 Or CHEM 160

**BTCH 230 (3-0-3) Biotechniques II:** A laboratory course teaching biotechnology theory, skills, and applications. Includes DNA sequencing, PCR, immunology, cell culture, separation technology, principles of fermentation technology, basic aptitudes for the biotechnology industry.

**Prerequisite:** BTCH 420

**BTCH 310 (3-3-0) Immunology:** Examines the components of the immune systems, immune responses, immune effectors, and immune diseases. Methods used in experimental studies of immunology are also introduced.

**Prerequisite:** BIOL 200 (may be taken concurrently)

**BTCH 320 (3-3-0) NanoBiotechnology:** This introductory course is designed to explore applications of nanotechnology to biotechnology. Nanotechnology deals with materials and devices that are or have structures of a size between 1 to 100 nm. Students will be introduced with the nano-based labeling technologies, fabrication strategies, nanofoods and nanotoxicology. Design and working of the nanodevices will also be discussed for applications in therapeutics, agriculture, food and diagnostic areas. A thorough understanding of DNA proteins, carbohydrates and lipid molecules is expected of the students.

**Prerequisite:** BIOL 200

**BTCH 340 (3-2-2) Toxicology:** Introduces the principles of toxicology. This course covers general concepts underlying the absorption, distribution, metabolism, action, and excretion of xenobiotics and the consequences to biological systems following exposure of toxicants, particularly the relevance to human health.

**Prerequisite:** CHEM 140 And CHEM 160



**BTCH 350 (3-3-0) Advanced Biomolecular Science:** A seminar course which discusses pioneering and cutting edge research in molecular biology, cell biology, and developmental biology. Students will also be introduced to basic tools of biomolecular science.

**Prerequisite:** BIOL 200 And CHEM 140

**BTCH 360 (3-2-2) Molecular Genetics:** A study of the molecular definition of genes, gene sets, and gene expressions, with applications of gene functions to health, disease, and molecular evolution. Methods of gene analysis are studied with special reference to the human genome project and current genomic research.

**Prerequisite:** BIOL 200

**BTCH 410 (3-3-0) Biotechnology Seminar:** Discusses current topics and current research in biotechnology. Also includes review of the requirements and ethics of the biotechnology workplace and laboratory. Presentations will be required.

**BTCH 425 (3-3-0) Bioinformatics:** Introduces bioinformatics using computational methods to analyze and help interpret the content of large volumes of biological data generated by genome sequencing, DNA micro-arrays, proteomics, metabolites and metabolic fluxes. The computational methods used in this course include analysis of sequences, gene clustering, and pattern recognition/discovery in large scale expression data. Application of bioinformatics to drug design, and biotechnology will be discussed.

**Prerequisite:** BIOL 200 And (CHEM 220 Or CHEM 221)

**BTCH 430 (3-3-0) Biotechniques II:** A laboratory course teaching biotechnology theory, skills, and applications. Includes DNA sequencing, PCR, immunology, cell culture, separation technology, principles of fermentation technology, basic aptitudes for the biotechnology industry.

**Prerequisite:** BTCH 420

**BTCH 435 (3-2-2) Plant Biotechnology:** This course provides an introduction to the theory, application, and techniques that are involved in plant cells and tissues and in the micro-propagation process. The course will also focus on the use of techniques in molecular biology in the study, development, and improvement of various plant species.

**Prerequisite:** BIOL 200 Or BTCH 230

**BTCH 440 (3-0-3) Tissue Culture and Hybridoma:** A laboratory course which teaches techniques for the establishment, assay, and maintenance of a variety of types of cells, tissue and hybridoma cultures.

**Prerequisite:** BIOL 200 Or BTCH 430

**BTCH 450 (3-3-0) Problems in Biotechnology:** A course designed to give students interactive exposure to and experience in biotechnology environments. Credit may be earned (with instructor approval) through one or more of the following: internships or cooperative experiences in biotechnology related sites, research project studying a biotechnology problem/question, research paper on a controversial biotechnology issue or procedure, or approved online or on-site course from on-site bio-works/biotechnology workplace programs. The course will also include a seminar sequence on workplace issues and ethics supported by on-site interview.

**CHEM 101 (4-3-2) Introduction to Chemical Principles:** A one semester course directed at non-chemistry majors that provides an introduction to general chemistry, and the fundamentals of biological chemistry. The course with its laboratory activities introduces states of matter, atoms and bonding, chemical reactions, stoichiometry, mole concept, gas laws, pH and acid-base chemistry, and nuclear chemistry.

**Prerequisite:** MATH 123 Or MATH 129

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**CHEM 102 (4-3-2) Introduction to Organic and Biochemistry:** A one semester course directed at non-chemistry majors that provides an introduction to organic chemistry and principles of biochemistry. This course with its laboratory activities, introduces hydrocarbons, organic functional groups, amino acids, nucleic acids, protein, fat, carbohydrate, and discusses the chemistry involved in metabolic pathways and energy production.

**Prerequisite:** CHEM 101

**CHEM 120 (3-3-0) The Atom and Bonding:** A non-mathematical study of atomic structure, elementary nuclear theory, the periodic table, bonding, valence, hybridization, and molecular and crystal structure. Corequisite: MATH 123.

**Prerequisite:** MATH 123 (may be taken concurrently)

**CHEM 130 (4-3-3) Stoichiometry:** The study of stoichiometry, gas laws, thermochemistry, and the balancing of chemical equations, with laboratory activities investigating mole-mass relationships, gas laws, and measurement of thermochemical phenomena.

**Prerequisite:** CHEM 120 And MATH 123

**CHEM 140 (4-3-3) General Chemistry I:** The first course of a two semester sequence in introductory chemistry that studies measurement and uncertainty, atomic structure, nomenclature, stoichiometry, types of reactions, solution concentrations, gas laws, thermochemistry, electronic configuration, periodic properties of the elements, and chemical bonding (including molecular geometries). Laboratory activities include identification of a substance based on physical and chemical properties, determination of a chemical formula, and percent yield of a preparative procedure.

**Prerequisite:** MATH 123 Or MATH 129 Or MATH 123 Or MATH 129

**CHEM 160 (4-3-3) General Chemistry II:** The second semester of a two semester sequence in introductory chemistry, which investigates intermolecular forces, colligative properties, chemical kinetics, and the application of chemical equilibria to acid-base chemistry, solubility, thermodynamics, and electrochemistry. Laboratory activities include colligative properties, reaction rates, acid-base and reduction-oxidation titrations, buffers, and inorganic qualitative and elementary quantitative analysis.

**Prerequisite:** MATH 124 (may be taken concurrently) Or MATH 130 (may be taken concurrently) And CHEM 140

**CHEM 210 (5-3-6) Analytical Chemistry:** A one semester course that investigates the principles of quantitative analytical chemistry and how these principles are applied in chemistry and related disciplines. Lecture and laboratory concentrate on tools, experimental error, statistics, quality assurance, calibration methods, systematic treatment of equilibrium, acid-base titration, EDTA titration, redox titration, gravimetric analysis, introduction to electroanalytical and spectrometric methods, concepts of analytical separation and application of Excel in analytical chemistry.

**Prerequisite:** CHEM 160

**CHEM 220 (4-3-3) Principle of Organic Chemistry:** A one-semester course in which the chemistry of the hydrocarbons (including aromatics) and monofunctional alkyl halides, alcohols, ethers, aldehydes, ketones, carboxylic acids (and their derivatives), and amines is surveyed. The course will conclude with an introduction to the chemistry of polyfunctional biomolecules. The laboratory will consist of the techniques used in the purification, isolation, and identification by physical properties of organic compounds and conclude with the utilization of these techniques in the preparation of organic compounds.

**Prerequisite:** CHEM 140 And CHEM 160

**CHEM 221 (4-3-3) Organic Chemistry I:** A study of the nomenclature, synthesis, reactions and reaction mechanisms, and spectroscopy of hydrocarbons alkylhalides and alcohols, with laboratory exercises

introducing techniques of isolation, purification, characterization, and synthetic methods in organic chemistry.

**Prerequisite:** CHEM 160

**CHEM 222 (5-4-3) Organic Chemistry II:** A course investigating the nomenclature, synthesis, reactions and reaction mechanisms, and methods for analysis of functionally substituted organic compounds, with laboratory activities extending the topics started in CHEM221 and emphasizing syntheses and technical writing.

**Prerequisite:** CHEM 221

**CHEM 310 (4-2-4) Instrumental Methods Analysis:** Principles of operation and application of modern chemical instrumentation used in analytical chemistry. Topics include statistics, spectrophotometry, mass spectrometry, Raman spectroscopy, nuclear magnetic resonance, electroanalytical, and separation science. Reinforcement of these techniques by practical experience, aspects of sample preparation, standardization, data acquisition and interpretation.

**Prerequisite:** CHEM 210

**CHEM 313 (3-3-0) Physical Chemistry I:** The first course in a two-semester sequence of calculus-based physical chemistry that investigates the properties of real gases, the three laws of thermodynamics, phase equilibria for single and binary systems, chemical equilibrium, electrochemistry, the transport properties of matter, the kinetic theory, and the application and derivation of integrated rate laws.

**Prerequisite:** CHEM 210 And MATH 241 And MATH 242 And PHYS 121 And PHYS 122 (may be taken concurrently)

**CHEM 314 (3-3-0) Physical Chemistry II:** The second course in a two-semester sequence of calculus-based physical chemistry, that provides an introduction to quantum mechanics and its applications to atomic and molecular structure and spectroscopy and investigates statistical mechanics as a bridge between microscopic and macroscopic worlds. Students will also be exposed to molecular reaction dynamics, including collision theory and activated-complex theory.

**Prerequisite:** CHEM 210 And CHEM 313 And MATH 241 And MATH 242 And PHYS 121 And PHYS 121 And PHYS 122

**CHEM 321 (3-3-0) Thermodynamics and Equilibrium:** A calculus-based study of the three laws of thermodynamics with derivation of equilibrium constants from chemical potential, Raoult's Law, the phase rule, and equilibrium electrochemistry including the Debye-Hueckle theory.

**Prerequisite:** CHEM 210 And MATH 241 And MATH 242 And PHYS 111 Or PHYS 121

**CHEM 322 (3-3-0) Quantum Mechanics and Spectroscopy:** A course investigating the wave-particle dilemma as resolved by the Bohr atom, Dirac wave mechanics, and Eigen values of the Schroedinger equation, with applications to atomic and molecular vibrational, rotational, and electronic spectra.

**Prerequisite:** CHEM 210 And MATH 241 And MATH 242 And PHYS 112 Or PHYS 122

**CHEM 324 (3-3-0) Kinetics:** A study of change, including the transport properties of gases and liquids and electrical conduction. Starting with the kinetic theory of gases, the absolute rate theory and the collision theory are derived. Other topics include rates; mechanisms including complex mechanisms (consecutive, chain, branching, autocatalytic, and polymerizing); and the half-life of chemical reactions. Students will also be exposed to the steady-state approximation, and the study of the Arrhenius theory for calculation of activation parameters.

**Prerequisite:** CHEM 210 And MATH 241 And MATH 242 And PHYS 112 Or PHYS 122

**CHEM 325 (3-1-5) Physical Chemistry Laboratory:** Laboratory investigations involving the determination of enthalpies, equilibrium constants, molecular mass, electromotive force, entropy, reaction rates and

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activation parameters, solution phenomena, conductance, and the gathering and quantitative interpretation of spectra.

**Prerequisite:** CHEM 313 Or CHEM 314

**CHEM 330 (3-3-0) Principles of Inorganic Chemistry:** A focus on trends of inorganic reactions, structure, and properties of the elements and their compounds in relation to their position in the periodic table. Students will be able to rationalize and interpret most inorganic properties using qualitative models that are based on quantum mechanics, such as the properties of atomic orbitals and their use to form molecular orbitals. Modern organometallic compounds will be introduced, and the environmental impact of inorganic chemistry will be discussed. This course will consist of lecture and discussion sessions.

**CHEM 390 (1-0-3) Research I:** A detailed examination of topics and studies in chemistry in preparation for beginning a formal research project to be conducted in CHEM 491 and CHEM 492, culminating in a written and oral report.

**CHEM 400 (3-2-2) Computational Chemistry:** This class introduces students to different computational methods and models to study electronic structure of molecules and materials. The topics that will be covered include Hartree-Fock, density functional theory, Moller-Plesset perturbation theory, coupled cluster and semi-empirical methods such as Huckel and extended Huckel calculations. The laboratory activities include computational experiments to illustrate the applicability of computational methods to chemistry, bio-sciences, and materials chemistry. These experiments will be carried out on Linux and UNIX-based workstations.

**Prerequisite:** CHEM 222 And CHEM 314

**CHEM 410 (1-0-3) Seminar in Chemical Literature:** A detailed examination of the chemical literature on a relatively narrow topic for presentation of written and oral reports.

**Prerequisite:** CHEM 210 And CHEM 222 And CHEM 321 And CHEM 322 Or CHEM 324

**CHEM 421 (3-3-0) Inorganic Chemistry:** An advanced study of descriptive and synthetic inorganic chemistry, structure, and bonding.

**Prerequisite:** CHEM 222 And CHEM 321 And CHEM 322

**CHEM 422 (4-3-2) Bioanalytical Chemistry:** A study of basic concepts of analytical chemistry applied to biologically oriented problems. Principles underlying instrumentation, automation, and laboratory computers used in solving bioanalysis problems are also examined. Methods include spectroscopy immunoassays, chromatography, electrophoresis, and mass spectroscopy. Further, biosensors, bioassays, DNA, and protein sequencing will be discussed.

**Prerequisite:** CHEM 210 And CHEM 222

**CHEM 423 (3-3-0) Nanoscience and Nanotechnology:** A comprehensive introduction to the rapidly developing field of nanoscience and nanotechnology. Topics cover properties of nanomaterials, synthesis of nanomaterials, characterization of nanomaterials, nanobiotechnology/nanomedicine and nanoelectronics.

**Prerequisite:** CHEM 210 And PHYS 122

**CHEM 424 (3-3-0) Separation Science:** The course introduces the modern physical and chemical techniques used for analytical separations. The primary theme of chromatography, includes gas chromatography, high performance liquid chromatography, and supercritical fluid chromatography. Other important analytical separation techniques to be discussed include capillary electrophoresis, field-flow fractionation, size exclusion chromatography, and chromatographic measurements of physicochemical, biochemical, and geochemical processes.

**Prerequisite:** CHEM 210

**CHEM 430 (3-3-0) Special Topics in Chemistry:** An advanced, structured investigation in one of the specialty areas of chemistry.

**CHEM 431 (3-1-4) Qualitative Organic Analysis:** An advanced introduction to the principles of classification and identification of organic compounds by traditional and modern analytic techniques.  
**Prerequisite:** CHEM 222

**CHEM 491 (2-0-6) Research II:** Active, original research under one or more of the chemistry faculty.  
**Prerequisite:** CHEM 390

**CHEM 492 (4-0-12) Research II and Thesis:** A continuation of research culminating in a written thesis and an oral presentation.  
**Prerequisite:** CHEM 491

**CHIN 110 (3-3-0) Elementary Chinese I:** This course introduces the basics of Chinese language - the pinyin, characters and grammar. Students are expected to learn about 150 single characters and 200 compound words of modern standard Chinese. The course emphasizes speaking and reading as well as writing.

**CHIN 120 (3-3-0) Elementary Chinese II:** The course is designed to build up basic vocabulary for conversation, reading and writing, and improve students' comprehension in speaking, listening, reading and writing Chinese.  
**Prerequisite:** CHIN 110

**CHIN 210 (3-3-0) Intermediate Chinese I:** The course is designed to enhance students' abilities in speaking, reading, and writing Chinese. Students will not only learn complicated conversations but also use vocabularies and sentence structures to discuss social and political issues. They will also learn to write narratives and short essays.  
**Prerequisite:** CHIN 120

**CHIN 220 (3-3-0) Intermediate Chinese II:** This course is designed to continue to enhance students' abilities in speaking, reading, and writing Chinese. Students will not only learn complicated conversations but also use vocabularies and sentence structures to discuss social and political issues. They will also learn to write narratives and short essays.  
**Prerequisite:** CHIN 210

**CHIN 310 (3-3-0) Advanced Chinese I:** This course is designed to further improve the students' reading and writing abilities as well as spoken ability in Chinese. Students taking the course will be exposed to essays, prose, movies, short novels, and poems in their original forms either in classical Chinese or modern Chinese. They will discuss these readings in class and then write their argumentation papers in Chinese.  
**Prerequisite:** CHIN 220

**CHIN 330 (3-3-0) Classical Chinese Literature:** This survey course examines the long tradition of Chinese literature, from its genesis to the mid-19th century before it was transformed under the influence from the West. We will look into the diversity and richness of this tradition while tracing its dramatic historical changes in a time period of nearly three thousand years. In addition to studying prose and poetry, we will also consider historical content as well as social and philosophical writings. Students are expected not just to learn the long and rich tradition but, more importantly, to reconstruct it through the texts they are to read and papers they are to write. All course materials are in English.

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**CHIN 331 (3-3-0) Modern Chinese Language:** In this survey course, students will read key literary texts by important writers in modern Chinese writers, including Lu Xun, Yu Dafu, Ding Ling (Ting Ling), Shen Congwen (Shen Tsung-wen), Zhang, Ailing (Eileen Chang), and Wang Anyi. The course explores issues of nationalism, modernity and globalization as represented in Chinese Literature. By discussing these issues in literary contexts, students will gain a better understanding of cultural production and social change in modern Chinese history. All the texts are in English.

**CHIN 332 (3-3-0) Cinema and Contemporary China:** This course examines the technical, aesthetic, economical and historical interactions between contemporary Chinese cinema and contemporary Chinese society. Students will see the representative film works by contemporary Chinese directors from mainland China, Hong Kong, and Taiwan, and analyze the various cinematic styles in relation to the social and historical changes in which the films were made. They will also discuss such issues as modernity, nationalism, and globalization that the Chinese people have dealt with in contemporary China. For students learning the Chinese language, this course will also offer many authentic linguistic materials. All texts are in English and/or with English

**COMM 205 (3-3-0) Introduction to Communication:** The study of communication in expediting learning, affecting social interaction and effective change, and an exploration of the components of interpersonal, small group, public and organizational communication.

**COMM 210 (3-3-0) Introduction to Mass Communications:** A survey of the role of mass media in modern society. The process, functions, responsibility and effects of various forms of mass communication will be analyzed.

**Prerequisite:** COMM 205

**COMM 235 (3-3-0) Public Relation/Advertising:** This course provides an introduction to the basic principles of public relations and advertising. Student will study the history and trends of the public relations and advertising industry focusing on principles, tools, techniques, practices, and ethics. Accepted standards used in public relations and advertising will be presented.

**COMM 320 (3-3-0) Audio Production I:** An introduction to the planning and production of audio in mass media, including practical studies of the uses of sound and the planning, scripting, rehearsing, and directing process of audio production.

**Prerequisite:** COMM 210

**COMM 330 (3-3-0) Writing For Mass Media:** A survey of the various forms of written expression in mass media.

**Prerequisite:** COMM 205 And ENGL 120

**COMM 350 (3-3-0) Telecommunications Management:** A course exploring management functions in a telecommunications environment. Economic support patterns, programming, promotion, advertising, determination of community needs and facility operations will be covered.

**Prerequisite:** COMM 210

**COMM 360 (3-3-0) Video Production I:** An introduction to the elements of television production, including cameras, audio, staging, lighting, graphics, recording, and special effects.

**Prerequisite:** COMM 210

**COMM 370 (3-3-0) Communication Practicum:** A practical study of an area of communications, with reading assignments supplementing course activities.

**COMM 375 (3-3-0) Organizational Communication:** Organizational Communication provides the student with a background in theory and research about communication within organizations. The course focuses on interpersonal communication within organizations, small group communication within organizations, leadership and management within organizations and communication conflict within organizations.

**Prerequisite:** SPEE 200 And COMM 205

**COMM 380 (3-3-0) Non-Broadcast Telecommunications Systems:** An introduction to the use of telecommunications media in corporate, industrial, medical, educational, military, governmental and public service institutions.

**Prerequisite:** COMM 210

**COMM 385 (3-3-0) International Communication:** This course surveys the communication systems of the world focusing on major newspaper networks, broadcasting and film consortia, and the Internet. Theories of international communication are used to compare and contrast the communication systems of different nations.

**Prerequisite:** COMM 210

**COMM 390 (3-3-0) Cable Communications:** An examination of the cable television industry including technical aspects, franchising, programming, and government regulation.

**Prerequisite:** COMM 210

**COMM 410 (3-3-0) Mass Media Internship I:** A course providing students with opportunities for combining theory and practice by their arranging, outlining, and engaging in a program of practical experiences under the joint supervision of a communications organization or agency and the course instructor.

**COMM 420 (3-3-0) Mass Media Internship II:** A second course for students to further their experiences in communications media by continuing their program from COMM 410 or arranging a new program under the joint supervision of a communications agency and the course instructor.

**COMM 430 (3-3-0) News and Public Affairs:** A study of the principles, techniques, and forms of journalism, with students gaining experience in preparing, editing, and delivering news and public affairs materials for a variety of media.

**Prerequisite:** COMM 330

**COMM 440 (3-3-0) Audio Production II:** An advanced course in audio production techniques including remote setups, studio operations, and multi-track recording.

**Prerequisite:** COMM 320

**COMM 450 (3-3-0) Telecommunications Law:** Principles and case studies in communications law including constitutional guarantees, libel, privacy, contempt, privilege, copyright, and governmental regulatory agencies.

**Prerequisite:** COMM 210

**COMM 460 (3-3-0) Video Production II:** An advanced course in video production techniques providing a laboratory experience in production and direction of video projects.

**Prerequisite:** COMM 360

**COMM 490 (3-3-0) Mass Communication Theory and Research:** The development of mass communication theory is studied with attention given to the emergence of major paradigms of theory

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including the development of process and effective perspectives, the development of social learning perspectives, the development of uses and gratifications perspectives, and the development of critical and cultural perspectives.

**Prerequisite:** COMM 205 And COMM 210 And SPEE 210 And SPEE 390

**COOP 431 (3-3-0) Cooperative Education I:** A program integrating the classroom curriculum with planned periods of in-service professional work related to the student's declared major. Cooperative Education is offered on a competitive basis through the Student Academic Services Center in conjunction with the Academic Advisors, Department Chairpersons and Academic Deans. The students ordinarily begin their first in-service experience at the end of the sophomore year.

**COOP 432 (3-3-0) Cooperative Education II:** A continuation of the cooperative work experience program.

**Prerequisite:** COOP 431 Or COOP 433

**COOP 433 (6-6-0) Cooperative Education III:** A program integrating the classroom curriculum with planned periods of full-time in-service professional work related to the student's declared major. Cooperative Education is offered on a competitive basis through the Office of Career Services & Placement in conjunction with the Academic Advisors, Department Chairpersons and Academic Deans. The students ordinarily begin their first in-service experience at the end of the sophomore year.

**COOP 434 (6-6-0) Cooperative Education IV:** A continuation of the cooperative work experience program.

**Prerequisite:** COOP 433

**COOP 435 (6-6-0) Cooperative Education V:** A continuation of the cooperative work experience program.

**Prerequisite:** COOP 434

**CRJC 200 (3-3-0) Introduction to the Criminal Justice System:** A survey course designed to familiarize students with the functions, structure, and organization of the agencies that are responsible for the administration of justice. Specifically, the course introduces students to the institutions and processes of law making and enforcement, the judicial system, corrections and the juvenile justice system.

**CRJC 201 (3-3-0) Introduction to Law Enforcement:** A study of the history and philosophy of local, state, and federal law enforcement entities in the U.S. with emphasis on the interdependence of law enforcement and other components of the criminal justice system. The course also examines the roles of the police in the administration of justice and the critical issues that affect law enforcement in contemporary society.

**CRJC 202 (3-3-0) Legal Aspects of Criminal Justice:** A study of procedural aspects of the legal process and administration of justice including constitutional rights, participants in court processes, rules of evidence and the exclusionary rule, and expert testimony.

**CRJC 203 (3-3-0) Criminal Justice Ethics:** A critical examination of the diverse ethical issues encountered in the American criminal justice system with a focus on comparing and contrasting the principles of moral philosophy and ethical theory to the practices of criminal justice agencies.

**CRJC 212 (3-3-0) Juvenile Justice System:** A survey course designed to provide an overview of the juvenile justice system, with particular emphasis on the agencies, institutions, procedures, law, programs, and philosophies that guide the administration of juvenile justice.



**CRJC 215 (3-3-0) Introduction to Criminal Courts:** This course focuses on the structural outlay and philosophy of the court system, with special emphasis on criminal law and procedure, court processes, and structures, constitutional guarantees, the trial process, and the roles of judges, prosecutors, defense attorneys and juries.

**CRJC 220 (3-3-0) Introduction to Corrections:** This course examines the historical development, current changes, and future trends in correctional policies and strategies including analysis and evaluation of concepts and theories of retribution, deterrence, rehabilitation, incapacitation, and other purposes of correctional reform. Special emphasis will be placed on the underlying social, legal, and ethical issues that affect various correctional strategies.

**CRJC 222 (3-3-0) Community Corrections:** An in-depth theoretical perspective of the social, legal, and ethical issues which gave rise to the development of contemporary strategies of corrections in the community including programs such as probation, parole, other alternatives to incarceration, intermediate sanctions, and diversionary programs

**Prerequisite:** CRJC 200 And CRJC 220

**CRJC 230 (3-3-0) Criminal Evidence:** A course focusing on the various types of evidence used in both civil and criminal proceedings with emphasis on the rules governing the admissibility of evidence and the procedures for handling evidentiary issues in the courtroom.

**CRJC 243 (3-3-0) Writing for Criminal Justice:** Emphasis is placed on the development of writing skills required for careers in criminal justice, including various forms of correspondence, interoffice memos, informal reports, minutes of meetings, summaries, briefings, and presentations; proofreading, revising, and editing; writing for culturally diverse audiences; and criminal justice terminology.

**CRJC 300 (3-3-0) Criminal Law:** An involved philosophical analysis of criminal law principles and concepts focusing on both the procedural aspects and the substantive elements of the various crimes, criminal court decisions, and the practical application of such principles and concepts in the courtroom.

**Prerequisite:** CRJC 200

**CRJC 302 (3-3-0) Prisons and Society:** An advanced corrections course in which students explore the far-reaching impacts of prisons on society. The course examines the consequences of mass incarceration in the United States, not only for prisoners and ex-prisoners, but also for families and communities who have committed no crimes. The course further considers the impact of mass imprisonment on democracy and whether the social costs of incarceration have produced benefits to society in quality of life, safety, or justice.

**Prerequisite:** CRJC 220 And CRJC 200

**CRJC 305 (3-3-0) Race, Class, and Gender in Criminal Justice:** A comprehensive examination of the concepts of race, class, and gender as determinants of the structure and function of the American criminal justice system, including the relationship between race, class, gender, and crime; issues of race, class, and gender discrimination; and the ideological and political debates that both integrate and segregate theories of race, class, gender, and crime.

**Prerequisite:** CRJC 200

**CRJC 311 (3-3-0) Criminal Justice Organizations: Management and Administration:** Management and Administration: A theoretical course focusing on the organization, management, and administration of local, state, and federal criminal justice agencies with emphasis on how the structure and functions of such agencies affect the administration of justice.

**Prerequisite:** CRJC 200 And CRJC 201 And CRJC 220

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**CRJC 313 (3-3-0) Victimology:** This course will explore the evolution of the victim's rights movement, treatment of victims by criminal justice and other social service agencies, theoretical explanations for victimization, repeat victimization, victim treatment in other parts of the world, and successful approaches to working with crime victims.

**Prerequisite:** CRJC 200

**CRJC 333 (3-3-0) Police and Society:** A study of the critical issues facing police officers and administrators in relation to police community relations in a diverse society, with particular emphasis on police history and role in society, discretion, and strategies.

**Prerequisite:** CRJC 201 And CRJC 200

**CRJC 340 (3-3-0) White Collar Crime:** A survey course designed to provide an overview of white collar crime, with an emphasis on the criminal and/or unethical or harmful acts of the rich and powerful. Specifically, the course explores the various types of white collar crimes, the characteristics of the offenders, the theories attempting to explain these acts, and the harm caused by them.

**Prerequisite:** CRJC 200

**CRJC 351 (3-3-0) Special Problems in Criminal Justice Criminology:** An advanced analysis of contemporary interdisciplinary issues within the fields of criminal justice and criminology including perspectives on the death penalty, prison overcrowding, computer crimes, victimology, the insanity defense, use of force, media and crime, race and crime, women and crime, and juvenile violence.

**Prerequisite:** CRJC 200

**CRJC 361 (3-3-0) Comparative Criminal Justice:** A theory-based comparison of the American criminal justice system with a number of selected criminal justice systems from around the world. Emphasis will be placed on how the social organization of a specific society affects the definition of crime and the administration of justice.

**Prerequisite:** CRJC 200

**CRJC 370 (3-3-0) Criminal Justice and Community:** This course is a variable topics course in which students explore current critical issues in the field of criminal justice. Topics will change based on the interests and expertise of the instructor and a student may retake the course to a maximum of nine credits with change of topic.

**Prerequisite:** CRJC 200

**CRJC 411 (3-3-0) Criminal Justice Research:** This course teaches students the various methods of conducting quantitative and qualitative research. The emphasis is on research design, research instrument construction, data analysis, and reporting of results.

**Prerequisite:** CRJC 200 And CRJC 201 And CRJC 215 And CRJC 220

**CRJC 420 (3-3-0) Criminological Theory:** This course exposes students to different theoretical perspectives in the study of crime and criminal justice. It acquaints students with various explanations that have been offered in an effort to understand criminal behavior and criminal justice practices within social contexts.

**Prerequisite:** CRJC 200 And PSYC 210 (may be taken concurrently) And SOCI 210

**CRJC 429 (1-1-0) Internship Preparation Course:** This course familiarizes students with issues related to the internship experience, such as finding an internship, preparing for the internship interview, learning about criminal justice in the field, being professional, understanding issues that may occur during the internship, successfully completing assignments, and ethics in the field. This course must be successfully completed before a student can register for CRJC 430, Internship in Criminal Justice.

**CRJC 430 (3-3-0) Internship in Criminal Justice Systems:** CRJC 430 (3-6; 3-6; 3-6) Internship in Criminal Justice System: This course provides students with the opportunity to synthesize theory and practice in a supervised work environment in a criminal justice agency, with the students' progress and performance on the job monitored jointly by the agency head and the course instructor.

**Prerequisite:** CRJC 429

**CRJC 450 (3-3-0) Seminar in Criminal Justice:** This course is designed to provide criminal justice majors with a capstone experience emphasizing integration of knowledge acquired in previous courses on the institutions, policies and practices of criminal justice. Students engage in the development and production of a senior level research paper grounded in relevant criminal justice literature.

**Prerequisite:** CRJC 200 And CRJC 201 And CRJC 215 And CRJC 220

**CSC 100 (3-3-0) Introduction to Computers:** This course covers fundamental concepts of computer and their applications using micro/mini computers in stand-alone and networked environments, including the use of software for word processing, spreadsheets and databases. Majors in computer science will not receive credit for this course.

**CSC 101 (3-3-0) Computer Programming Language (FORTRAN):** This course is an introduction to FORTRAN, a problem-oriented computer language for use in scientific and mathematical problem solving.

**Prerequisite:** MATH 123 Or MATH 124 Or MATH 129 Or MATH 130 Or MATH 131 Or MATH 142

**CSC 102 (3-3-0) Computer Programming (COBOL):** This course will introduce students to computing using Visual Basic with emphasis on business applications. The topics for the course will include Visual Basic programming, computer concepts in relation to management, the use of an Integrated Development Environment (IDE), flowcharts, algorithms, decision making, control structures, modules, windows programming, procedures and arrays.

**Prerequisite:** MATH 123 Or MATH 124 Or MATH 129 Or MATH 130

**CSC 104 (3-3-0) Introduction to Computer Science for Non-Technical Majors:** This course explores topics of computer science for non-technical majors. The course covers the fundamental issues of networking, HTML, data representations, computers, algorithms, and programming. Students receive a solid grounding in the central concepts as well as in important uses of computing and information technology.

**CSC 105 (3-3-0) Introduction to Computer Science for Technical Majors:** This course is an introduction to the fundamental concepts and skills needed by students who anticipate majoring in computer science or other technical majors such as mathematics or a natural science. Topics include algorithms as models of computational processes, programming fundamentals such as data models and control structures, and the computing environment and its tools, such as basic hardware, editors, compilers, and debuggers.

**CSC 110 (3-3-0) Programming in Pascal:** This course provides an introduction to methodical programming in Pascal, including programming principles and good style suitable for scientific and mathematical problem-solving. This course cannot serve as a CSC restricted elective.

**Prerequisite:** MATH 123

**CSC 120 (3-3-0) Introduction to Programming Methodology:** This course is the first course of a two-semester sequence that provides an overview of programming methodology and program writing skills. Topics include basic concepts of computer systems, problem solving and algorithm development, program structures, data types, program development, method and style, coding, debugging, testing, and documentation.

**Prerequisite:** MATH 129 Or MATH 131 And CSC 105

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**CSC 130 (3-3-0) Program Design and Implementation:** This course is the second of a two-semester sequence that focuses on a disciplined approach to design, coding, and testing of programs. Topics include data abstraction, data structures, and searching and sorting algorithms.

**Prerequisite:** CSC 120

**CSC 201 (3-3-0) Computer Organization and Architecture I:** This course covers the relationship between computing hardware and machine language instruction sets, implementation of high level languages on the machine and some memory related issues. The study is organized into levels in the following order of topics: fundamental building blocks such as logic gates and flip-flops and combinational and sequential logic; machine level representation of data; basic assembly language, implementation of high level language constructs, addressing modes, compilation, assembly and interpretation; memory hierarchy; interrupts. Some real world computer systems and microprocessors are used as examples, along with their hardware and the organization of their instruction sets. Assembly language programming is studied in detail.

**Prerequisite:** CSC 130

**CSC 202 (3-3-0) Programming in C:** This course focuses on advanced programming and software development strategies in C/C++ programming language. Materials include syntax and semantics of C/C++ and Standard Template Libraries (STL), memory management, file processing, and network programming. Directed projects in C/C++ are an integral part of the course.

**Prerequisite:** CSC 130

**CSC 204 (3-3-0) Object Oriented Programming:** This course focuses on object-oriented programming and software development strategies. Material includes syntax and semantics of a specific object-oriented programming language. Directed projects are an integral part of the course.

**Prerequisite:** CSC 130

**CSC 206 (3-3-0) Functional Programming:** This course focuses on programming and software development strategies in a functional language. Material includes syntax and semantics of a specific functional language. Directed projects are an integral part of the course.

**Prerequisite:** CSC 130

**CSC 207 (3-3-0) Logic Programming:** This course introduces the basic concepts and methods of symbolic programming. Symbolic programming involves the construction and analysis of complex symbolic expressions that can be used to represent different types of information. This course also introduces functional programming and logic programming as two widely used paradigms for symbolic computation. Course topics include recursion, list processing, tree processing, backtracking, unification and resolution.

**Prerequisite:** CSC 130 And MATH 150

**CSC 209 (3-3-0) Windows Environment Programming:** This course involves how to develop and program graphical user-interfaces (GUI) using current programming toolkits and GUI tools.

**Prerequisite:** CSC 130

**CSC 220 (3-3-0) Data Structure/ Algorithms:** This course explores data structures from various viewpoints: data structure design in response to a specific need, the expression of an algorithm in terms of the operations on the data structure, and complexity of operations. This course reinforces the knowledge of data structures gained in CSC 130 and extends it, particularly with regard to complexity of corresponding algorithms.

**Prerequisite:** CSC 130 And MATH 150

**CSC 270 (3-3-0) Networking Basics:** This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. It uses the OSI and TCP layered

models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. Students build simple LAN topologies by applying basic principles of cabling, performing basic configurations of networks devices such as routers and switches, and implementing IP addressing schemes.

**CSC 271 (3-3-0) Routing and Switching Basics:** This course describes the architecture, components, and operation of routers, and explains the principles of routing and routing protocols. The course explains how to configure a switch for basic functionality and how to implement VLANs, VTP, and inter-VLAN routing in a converged network. Students analyze, configure, verify, and troubleshoot the primary routing protocols RIPv1, RIPv2, EIGRP, and OSPF. Students complete a basic procedural lab, followed by basic configuration, implementation, and troubleshooting labs in each chapter. Students learn how to select devices for each layer and develop the knowledge and skills necessary to implement a WLAN in a small-to-medium network.

**Prerequisite:** CSC 270

**CSC 300 (2-2-0) Professional Practice in Computing:** This course requires preparation and submission of a comprehensive report based on actual employment experience in a computer-science cooperative job or internship. This course is designed for course substitution for Cooperative Education courses, and it may be used only twice for a maximum of six credits. It may not be used twice in the same semester.

**CSC 303 (3-3-0) Computer Organization and Architecture II:** The course is a continuation of CSC 201 which covers many aspects of computer architecture and implementation. Topics covered include pipelining, instruction-level parallelism; advanced cache and memory-hierarchy design issues; design issues for shared memory multiprocessors; storage systems and design of input/output systems; architectural implications for networks and distributed systems. In this course a rigorous quantitative approach is taken to examine different system design tradeoffs.

**Prerequisite:** CSC 201 And CSC 220

**CSC 310 (3-3-0) Introduction to Numerical Method:** This course focuses on computer techniques used to translate certain known computational algorithms into computer programs and on practice in use of existing mathematical library routines. Topics include linear systems of equations, curve fitting and interpolation algorithms for differentiation, solution of non-linear equations, solution of ordinary differential equations, and elementary discussion of errors.

**Prerequisite:** CSC 101 And MATH 241 And MATH 251

**CSC 322 (3-3-0) Programming Languages:** This course considers the principal programming language concepts and shows how they are dealt with in the design and implementation of traditional imperative languages, functional languages, logic languages, and object-oriented languages. Topics include history, virtual machines, representation of data types, sequence control, data control, data sharing, data type checking, run-time storage management, and distributed and parallel programming constructs.

**Prerequisite:** CSC 201 And CSC 220 And MATH 250 And CSC 207

**CSC 323 (3-3-0) Principles of Database Design:** This course emphasizes the concepts and structures necessary to design and implement a database management system. It will acquaint the students with current literature on the subject and give them an opportunity to use a database management system. Topics include database concepts, hierarchical, network and relational data models, data normalization, data description languages, query facilities, file organization, file security, data integrity, and reliability.

**Prerequisite:** CSC 220

**CSC 332 (3-3-0) Theory of Computation:** This course covers basic theoretical principles embodied in formal languages, automata, computability, and computational complexity. Topics include finite automata,

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pushdown automata, non-determinism, regular expressions, context-free grammars, Turing machines, Godel numbering, Church's thesis, the halting problem, unsolvability, and computational complexity.

**Prerequisite:** CSC 220 And MATH 250

**CSC 342 (3-3-0) Software Tools:** This course covers software development on a specific platform such as Unix. Topics include general utilities, shell programming, file processing and manipulation, text patterns, software management facilities, linkers, loaders, debuggers, compilers, editors, filters, and macro processing.

**Prerequisite:** CSC 220

**CSC 350 (1-1-0) Service Learning:** Under the supervision of the Computer Science faculty students will hold discussion sections for introductory computer science courses and will serve as tutors and assistants in the laboratories. Students will attend a weekly lecture section to become familiar with course materials, problem-solving skills, and approaches that will aid their tutoring and assisting introductory students in completing their assignments. One credit hour shall be awarded for each four (4) hours per week of laboratory assistance. The course may be repeated, up to a maximum of six (6) credit hours. Course grade is either pass (P) or notpass (NP).

**CSC 360 (3-3-0) Intro to Computer Simulation:** This course introduces simulation and modeling of systems with concentration on discrete stochastic systems. Topics include modeling and simulation techniques, Monte Carlo methods, queuing models, and computer simulation languages such as GPSS, and SIMSCRIPT. A simulation project is developed, completed, and presented by each student as a member of a project team.

**Prerequisite:** STAT 301

**CSC 372 (3-3-0) Introduction to WAN (Wide Area Network):** This course dicusses the WAN technologies and network services required by converged applications in enterprise networks. The course uses the Cisco Network Architecture to introduce integrated network services and explains how to select the appropriate devices and technologies to meet network requirements. Students learn how to implement and configure common data link protocols and how to apply WAN security concepts, principals of traffic, access control, and addressing serices. Finally, students learn how to detect, troubleshoot, and correct common enterprise network implementation issues.

**Prerequisite:** CSC 270 And CSC 271

**CSC 380 (3-3-0) Data Communications and Computer Networks:** This course provides an introduction to data transmission and computer networks. Topics include digital data communication techniques, data link control, communication network techniques, circuit switching, packing switching, local and wide area networks, the OSI model, architecture and topology of computer communications, and network access protocols.

**Prerequisite:** CSC 201 And CSC 220

**CSC 390 (3-3-0) Topics in Computer Science:** This course is designed to cover contemporary topics of current interest and demands in computer and information science at the junior and senior levels. It may be repeated for credit with approval of department.

**Prerequisite:** CSC 201 And CSC 207 And CSC 220

**CSC 403 (1-1-0) Social, Ethical, and Professional Issues:** This course discusses the impact of computers on society including people, business, and government. Topics include historical and social issues, security, privacy, professional responsibilities, risks and liability, and intellectual property.

**Prerequisite:** CSC 220

**CSC 410 (3-3-0) Introduction to Compiler Design Theory I:** This course introduces basic mathematical theory underlying the design of compilers and other language processors, and the implementation of the theory in practical design situations.

**Prerequisite:** CSC 201 And CSC 220 And CSC 332

**CSC 411 (3-3-0) Introduction to Compiler Design Theory I:** This course is a continuation of CSC 410. It covers advanced topics in the theory of designing compilers and other language processors, and implementing practical design situations.

**Prerequisite:** CSC 410

**CSC 413 (3-3-0) Advanced Numerical Methods:** This course is a continuation of CSC 310. Topics covered include interactive techniques in matrix algebra, numerical solutions of nonlinear systems of equations, initial-value problems for ordinary differential equations, boundary-value problems for ordinary differential equations, and numerical solutions to partial-differential equations.

**Prerequisite:** CSC 310 And MATH 331

**CSC 421 (3-3-0) Programming Languages:** This course considers the principal programming language concepts and shows how they are dealt with in the design and implementation of traditional imperative languages, functional languages, logic languages, and object-oriented languages. Topics include history, virtual machines, representation of data types, sequence control, data control, data sharing, data type checking, run-time storage management, and distributed and parallel programming constructs.

**Prerequisite:** CSC 201 And CSC 220 And MATH 250 And CSC 206 And CSC 207

**CSC 431 (3-3-0) Operating Systems I:** This course is designed to develop an understanding of the organization and architecture of computer systems at the register-transfer and programming levels of system description. Major concept areas of operating systems principles and the inter-relationships between the operating systems and the architecture of computer systems are taught. Topics include system structure, process concept, CPU scheduling, process synchronization, deadlocks, and memory management.

**Prerequisite:** CSC 201 And CSC 220

**CSC 432 (3-3-0) Operating Systems II:** This course provides for the study of advanced software techniques, especially focusing on operating systems. It presents materials that will enable the student to design, use, and analyze current and future operating systems. Topics include I/O programming, interrupt programming, memory management, processor management, device management, design and implementation of operating systems.

**Prerequisite:** CSC 431

**CSC 434 (3-3-0) Artificial Intelligence:** An introduction to the history, goals, social impact, and philosophical implications of artificial intelligence. Topics include problem representation as state spaces, search, logic systems, semantic networks, frames, and neural networks. Identification of application areas such as natural language processing, expert systems, robotics, planning, and vision.

**Prerequisite:** CSC 220 And MATH 250 And CSC 207 And CSC 206

**CSC 451 (3-3-0) Computer Graphics I:** This course introduces hardware and software components of graphics systems, and graphic application programming. Programs to deepen understanding of interactive graphics, picture plotting and input handling in an integrated manner will be written. Topics include geometrical transformation, three-dimensional concepts, windowing, clipping, segmentation, logical interaction input methods, raster algorithms, algorithms for hidden surface and hidden line removal, and shading and color.

**Prerequisite:** CSC 220 And MATH 241 And MATH 251

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**CSC 452 (3-3-0) Computer Graphics II:** This course is devoted to a graphics project in which the student will treat fundamental techniques for representing three-dimensional surfaces in making realistic pictures of three-dimensional objects with the help of raster graphics techniques.

**Prerequisite:** CSC 451

**CSC 460 (3-3-0) Introduction to Computer Simulation:** This course introduces simulation and modeling of systems with concentration on discrete stochastic systems. Topics include modeling and simulation techniques, Monte Carlo methods, queuing models, and computer simulation languages such as GPSS, and SIMSCRIPT. A simulation project is developed, completed, and presented by each student as a member of a project team.

**Prerequisite:** STAT 301

**CSC 470 (3-3-0) Software Engineering:** This course introduces students to an intensive study of writing large programs, program design and programming style, and object-oriented development techniques in an attempt to manage the complexity of large software systems. Topics include principles of software engineering, object-oriented development, systems development, programming support environments, and software life cycles.

**Prerequisite:** CSC 201 And CSC 220

**CSC 473 (3-3-0) Computer Architecture and Parallel Processing I:** This course gives the students basic knowledge about parallel processing. Topics include hardware architecture of parallel machines; software environment that enables parallel computing; performance analysis of parallel algorithms; techniques for developing parallel algorithms; and case studies on typical parallel algorithms.

**Prerequisite:** CSC 201 And CSC 202 And CSC 220

**CSC 474 (3-3-0) Computer Architecture and Parallel Processing II:** This course is a continuation of CSC 473. Topics from the first course are studied from an advanced standpoint.

**Prerequisite:** CSC 473

**CSC 480 (3-3-0) User Interface Development:** A course on user-interface technology and human-computer interaction issues including user productivity, system habitability, abstraction barriers, and human factors. Topics include command languages, hierarchical menus, direct manipulation (graphical user interfaces), multimedia interfaces, multimodal interaction, and user interface management systems.

Corequisites: CSC 451, or CSC 470, or consent of instructor.

**Prerequisite:** CSC 220 And CSC 451 (may be taken concurrently) Or CSC 470 (may be taken concurrently)

**CSC 490 (3-3-0) Senior Project:** This course reviews and puts into context the key components of the undergraduate computer science curriculum. The course content reflects national undergraduate computer science curriculum standards and national standardized exams that cover the undergraduate computer science curriculum. Topics include software systems and methodology, computer organization and architecture, theory and mathematical background, computer security and social issues.

**ECON 200 (3-3-0) Entrepreneurship and the Economy:** An Internet survey course designed to teach students the decision making skills necessary to negotiate their roles as consumers, savers, investors, voters, and above all, as productive citizens in a global setting. The course also emphasizes the practical aspect of economics and examines the microeconomic (individual) and the macroeconomic (aggregate) implications of decision making.

**ECON 211 (3-3-0) Principles of Macroeconomics:** An examination of the basic concepts and principles of macroeconomics and their application to current domestic and international issues.

**Prerequisite:** MATH 123



**ECON 212 (3-3-0) Principles of Macroeconomics:** An introduction to the subject of economics, with emphasis on microeconomic principles and their application to business decision making and current domestic and global issues.

**Prerequisite:** MATH 123

**ECON 301 (3-3-0) Entrepreneurship and New Venture Creation:** Using applied economics and business principles, this course focuses on issues that face entrepreneurs who start new enterprises or create new ventures within existing firms. The topics covered in the course include the evaluation of new venture ideas; the planning, formulation and implementation of strategies for creating new ventures and finally the evaluation of economic conditions and the financing of new ventures.

**Prerequisite:** ECON 212 And ACCT 211

**ECON 303 (3-3-0) Strategic Entrepreneurship:** A review of strategic consideration for entrepreneurs derived from managerial economics, industrial organization and entrepreneurial finance. This course considers entrepreneurial strategy in the context of simple models such as the five-forces of competitive position model and reviews the strategic lessons learned from real-world entrepreneurship cases.

**Prerequisite:** FINC 311

**ECON 310 (3-3-0) Managerial Economics:** An in-depth study of the managerial decision-making process and its tools, including such topics as forecasting demand, cost analysis, pricing, capital budgeting, and risk and uncertainty.

**Prerequisite:** ECON 211 And ECON 212 And MATH 140

**ECON 315 (3-3-0) Intermediate Microeconomics:** An in-depth study of the working of price mechanism within the framework of a free enterprise economy; a detailed examination of the behavior of consumers and firms, the theory of distribution, and welfare economics (with applications to international trade and personal income distribution).

**Prerequisite:** ECON 211 And ECON 212 And MATH 140

**ECON 316 (3-3-0) Applied Macroeconomics:** An in-depth study of theories of national income determination, employment, interest, inflation, balance of payments, exchange rate, fluctuations in the aggregate economic activity, and their relevance to managerial decision making.

**Prerequisite:** ECON 211 And ECON 212 And MATH 140

**ECON 321 (3-3-0) Applied Econometrics:** An Internet survey course designed to teach students the decision making skills necessary to negotiate their roles as consumers, savers, investors, voters, and above all, as productive citizens in a global setting. The course also emphasizes the practical aspect of economics and examines the microeconomic (individual) and the macroeconomic (aggregate) implications of decision making.

**Prerequisite:** MATH 140 And BADM 216

**ECON 322 (3-3-0) Money, Banking and Monetary Policy:** A formal examination of the role of money, banking, and financial institutions, as well as rudimentary discussion of monetary policy issues in the domestic and international economies.

**Prerequisite:** ECON 211 And ECON 212 And MATH 123

**ECON 340 (3-3-0) Economic Development:** An examination of the leading issues and theories of economic development and their relevance to the developing countries. The course will also examine some of the unique problems of businesses in these countries.

**Prerequisite:** ECON 211 And ECON 212 And MATH 123

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**ECON 351 (3-3-0) International Trade and Finance:** A survey of the theories of international trade, balance of payment, exchange rate determination, international portfolio investment (including currency swaps, options and futures) international financial management (global cost, budgeting, and capital flows) and related monetary issues.

**Prerequisite:** ECON 211 And ECON 212 And MATH 123

**ECON 430 (3-3-0) Economic Problems:** An in-depth study of current economic and social problems and their implications for business and society. Among the issues covered are: crime and the justice system, poverty, discrimination in labor markets, health care and social security, as well as government antitrust policies and regulation of markets.

**Prerequisite:** ECON 211 And ECON 212 And MATH 123

**ECON 432 (3-3-0) Industrial Organization and Public Policy:** An analysis of industrial organization, vertical and horizontal relationships between firms, pricing, output, and advertising policies of firms in a variety of market structures, including a detailed study of the content, success, and failure of anti-trust legislation.

**Prerequisite:** ECON 315

**ECON 440 (3-3-0) Seminar in Economics:** The culmination of the undergraduate study of economics providing opportunities for students to apply knowledge and training to the analysis of current economic problems. Students select projects of their choice and work under the supervision of the instructor.

**ECON 450 (3-0-0) Economics Internship:** A practical course enabling students to apply their theoretical knowledge of economics/finance to real situations and to gain practical experience in business, financial industry, and government institutions.

**ECON 453 (3-3-0) Financial Markets:** A course in macro finance which focuses on financial markets and financial institutions. Money and capital markets and their role in the savings investments process are considered. Topics such as the market for loanable funds, flow-of-funds accounts and securitization are covered.

**Prerequisite:** FINC 323 Or ECON 322

**ECON 460 (3-3-0) Seminar in Entrepreneurship and New Venture Creation:** Study and analysis of contemporary issues and entrepreneurship and the creation of new ventures: The issues covered in the course may include the economic theory of entrepreneurship, entrepreneurial opportunities and risks caused by economic change, the role of creativity and innovation in the economy, entrepreneurial strategy, the identification of new venture opportunities, and case studies of entrepreneurs and entrepreneurial ventures.

**EDMG 400 (3-3-0) The Middle School:** An introduction to the basic principles, policies, and philosophies that undergird middle school education in the United States.

**EDMG 433 (3-3-0) Methods and Materials of Teaching Mathematics in the Middle Grades:** An introduction to the knowledge base, teaching strategies, materials, and resources basic to middle grades mathematics education.

**EDMG 461 (3-3-0) Methods and Materials of Teaching Language Arts in the Middle Grades:** An introduction to the teaching strategies, resources, and materials basic to middle grades (6-9) education.

**EDMG 462 (3-3-0) Methods and Materials of Teaching Social Science in the Middle Grades:** An introduction to the knowledge base, teaching strategies, resources and materials basic to middle grades social studies education.

**EDMG 463 (3-3-0) Methods and Materials of Teaching Science in the Middle Grades:** A brief review of the scientific principles, laws, and concepts prescribed in the knowledge base for teachers of science in the middle grades (6-9), with emphasis on science units and lesson planning, laboratory demonstrations, experimental replication, and simulated teaching experiences.

**EDMG 470 (6-0-6) Student Teaching in the Middle Grades:** An internship in the public middle schools providing prospective education professionals with opportunities to observe professionals in the classroom, to practice teaching under supervision, and to participate in all other activities expected of regular in-service teachers in their role as facilitators of learning.

**EDUC 210 (3-3-0) Computers in Education:** An introduction to the computer and its use in facilitating learning, including applications, elementary programming procedures, and available software. (Fall, Spring, Summer).

**EDUC 211 (2-2-0) Laboratory Experiences in Area Schools:** An introduction to laboratory experiences in area elementary, middle, and secondary schools, providing facilitation opportunities for prospective education professionals to observe student-teacher interactions and to develop an understanding of learning in the school setting. Bi-monthly seminars and workshops, twenty (20) hours of field experience, and thirty (30) hours in the PRAXIS Lab are required. (Fall, Spring).

**EDUC 307 (3-3-0) Infant and Toddler Education:** The course will focus on the theories and growth and development of infants and toddlers, (ages birth through 2 1/2 to 3) toddlers relationships with others, and planning learning activities for toddlers. Sharing knowledge to parents about their child and involving parents in the preschool activities will be emphasized.

**EDUC 308 (3-3-0) Observation and Assessment in Preschool Education:** This course is designed to focus on observation of young children, including techniques for recording observations and using them to inform instruction and parents. Emphasis is placed on understanding and using different assessment procedures and their purposes and limitations, including ongoing observation, data collection and analysis. Assessment techniques which support children's development and learning will be highlighted. Adaptations in assessments which are relevant to the children's backgrounds and values, health appraisal and referral practices as well as types of assessment specified in IEPs will be stressed. Observation, assessment, and reporting are treated as complementary process.

**EDUC 309 (3-3-0) Field Experience in Infant and Toddler Education:** This course is a clinical field experience designed to complement EDUC 307 Infant and Toddler Education. The practicum reinforces and enhances concepts introduced in EDUC 307. Class meetings and planned, supervised experiences in a daycare or nursery setting are included.

**Prerequisite:** EDUC 307

**EDUC 310 (3-3-0) Foundations of Education:** A study of the origins, evolution, and interrelatedness of the principles and practices of disciplinary foundations of education and their influence on education. Field experience required. (Fall, Spring, Summer).

**EDUC 311 (3-3-0) Foundations of Multicultural Education and Diversity:** The facilitator of learning will explore the historical development of multicultural education, definitions of multicultural education and diversity concepts, the intercultural conflicts from philosophical cultural differences, and principles guiding multicultural education. (Fall or Spring)

**EDUC 314 (3-3-0) Field Experience in Preschool Education:** This course is a clinical field experience designed to complement EDUC 350 Introduction to B-K Education. The practicum reinforces and enhances

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concepts introduced in the program. Class meetings and planned, supervised experiences in a preschool setting are included.

**Prerequisite:** EDUC 350

**EDUC 315 (3-3-0) Music and Art in Elementary School:** An introduction of prospective elementary school professionals to the rudiments of music and art in the classroom, including methods, materials and activities in music and art that can be incorporated by the classroom teacher. (Fall, Spring).

**EDUC 330 (3-3-0) Educational Psychology and Measurement:** An exploration of psychological principles and their applications to the problems of teaching and learning, including characteristics of stages in human development, theories of motivation and learning, classroom management strategies, individual differences, exceptional children, and the measurement and evaluation of student achievement and teaching strategies. Field experience required. (Fall, Spring, Summer)

**EDUC 340 (3-3-0) Human Development:** A study of human development from conception to young adulthood, with emphasis on the early and middle childhood years (2-12) for elementary and middle grades education majors and on the early and late adolescent years (13-21) for secondary education majors. Field experience required. (Fall, Spring, Summer).

**EDUC 350 (3-3-0) Introduction to Birth through Kindergarten Education:** This course is designed to provide an overview of child development and how the knowledge of growth and development is related to preparing appropriate experiences for birth through kindergarten children. Emphasis is placed on considering the child, family, and the community when planning curriculum experiences for preschool children. .

**EDUC 361 (3-3-0) Family Culture and School:** This course is designed to help B-K professionals to understand the characteristics of families and the role families play in the lives of their children as their first teachers. Emphasis is placed on respecting different family structures, and values. Strategies for dealing with children with learning disabilities, home language i.e., especially language which is different from the B-K professional's language is stressed. Ethnicity, at-risk, socio-economic and health care services will also be discussed. B-K professionals will also develop strategies for getting parents involved in the school and their children's learning and development.

**EDUC 400 (3-3-0) The Middle School:** An introduction to the basic principles, policies, and philosophies that undergird middle school education in the United States.

**EDUC 419 (3-3-0) Music, Art, Drama, Movement in Birth through Kindergarten Education:** This course centers on helping children express themselves in a variety of ways in music, art, listening, movement and drama. Emphasis is placed on integrating music, art, drama, and movement into the content experiences. Selecting and evaluating learning materials and activities are stressed.

**EDUC 421 (3-3-0) Principles of Secondary Education:** A comprehensive overview of the history and development of secondary education, the philosophy undergirding the knowledge base of the curriculum, and the influence of contemporary social forces in shaping the curriculum.

**Prerequisite:** EDUC 480 (may be taken concurrently)

**EDUC 426 (3-3-0) Math, Science, and Social Studies:** This course provides an overview of how children learn mathematics, science, and social studies and suggests developmentally appropriate practices for helping B-K professionals plan and implement instruction for preschool children. An integrative, thematic approach focusing on how these learning experiences can be embedded in play is emphasized. A field experience is required. (Fall and Spring)

**EDUC 433 (3-0-2) Methods and Materials for Teaching Mathematics in Middle Grades:** An introduction to the knowledge base, teaching strategies, materials, and resources basic to middle grades mathematics education.

**EDUC 440 (3-3-0) Guidance and Counseling Practicum:** A practicum providing supervised counseling experiences in a true-to-life setting, with emphasis given to practical and applied aspects of counseling and various guidance activities.

**EDUC 450 (2-2-0) Classroom Management:** An introduction to strategies for facilitating learning through better classroom management, with emphasis on the role of parents in classroom management and on counseling techniques related to management strategies and parenting. (Fall and Spring)

**EDUC 460 (3-3-0) Methods and Materials in Secondary School Subjects:** A study of the objectives, materials, and teaching procedures designed to facilitate students' learning of secondary school subjects. (Fall, Spring)

**EDUC 461 (3-3-0) Methods and Materials in Teaching Language Arts:** An introduction to the teaching strategies, resources, and materials basic to middle grades (6-9) education.

**EDUC 462 (3-3-0) Methods and Materials in Teaching Social Sciences:** An introduction to the knowledge base, teaching strategies, resources and materials basic to middle grades social studies education.

**EDUC 463 (3-3-0) Methods and Materials in Teaching Science:** A brief review of the scientific principles, laws, and concepts prescribed in the knowledge base for teachers of science in the middle grades (6-9), with emphasis on science units and lesson planning, laboratory demonstrations, experimental replication, and simulated teaching experiences.

**EDUC 464 (3-3-0) Methods and Materials in Physical Education K-12:** An introduction to activities, teaching strategies, materials, and resources applicable to the physical education of students in grades K-12.

**EDUC 471 (6-0-6) Student Teaching in Elementary School:** An internship in the public schools providing prospective education professionals with opportunities to observe professionals in the classroom, to practice teaching under supervision, and to participate in other activities expected of regular in-service teachers in their role as facilitators of learning.

**EDUC 480 (6-0-6) Student Teaching in the Secondary School:** An internship in the public secondary school providing prospective education professionals with opportunities to observe professionals in the classroom, to practice teaching under supervision, and to participate in other activities expected of regular in-service teachers.

**EDUC 490 (1-1-0) Professional Education Seminar:** A forum for discussions of teaching strategies, methodologies, materials, and experiences observed during the student-teaching experience and of such issues as mainstreaming, multicultural education, use of computers, new trends to facilitate learning in educational settings, and effective resume writing and interviewing techniques.

**ELEM 353 (3-2-2) Methods of Teaching Language Arts, K-6:** A critical study of the current practices, teaching methodologies and strategies, and resources for teaching the language arts (including reading, writing, listening, speaking, and spelling) and the visual arts in the elementary school. Students are required to complete a field experience in elementary classrooms.

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**ELEM 354 (3-3-0) Methods of Teaching Social Studies, K-6:** An introduction to the current trends, practices, methods, and resources for facilitating social studies education, with particular emphasis on cultural diversity, curriculum planning, and the impact of cultural influences on teaching and learning. Course content includes an internship and demonstration lessons in elementary classrooms.

**ELEM 451 (3-3-0) Classroom Management for Elementary Teachers:** An introduction to the strategies for facilitating learning through effective classroom management, parent counseling and guidance strategies for the elementary classroom. This course helps elementary pre-service and in-service teachers develop systematic strategies and techniques for effectively leading students to cooperate with the teacher and each other, and to be on-task and engaged in planned learning activities. An internship in an elementary school is required.

**ELEM 455 (3-3-0) Methods of Teaching Mathematics, K-6:** A concentrated review of basic mathematics, mathematical concepts, and algorithms applicable to the elementary grades, with emphasis on content and activities related to various approaches and strategies for teaching mathematics in the elementary grades. Course requirements include an internship in an elementary school classroom.

**ELEM 456 (3-3-0) Methods of Teaching Science, K-6:** A review of scientific principles, laws, and concepts related to the natural sciences, as well as process-oriented inquiry methods appropriate to a child-centered environment. An internship is required.

**ELEM 471 (12-12-0) Elementary Teacher Internship:** An internship in the public schools providing prospective elementary education professionals with opportunities to observe professionals in the classroom, to plan and deliver instruction under supervision, to participate in professional development activities, and to engage in other activities expected of regular in-service teachers.

**ELEM 491 (2-2-0) Professional Seminar:** A series of seminars on selected teacher education topics, to include teaching strategies, knowledge, skills, abilities, and documentation needed for the initial teaching year, and preparation for the assessments required for North Carolina licensure.

**ENGL 108 (4-3-2) English Grammar and Usage:** This course introduces students to issues of grammar and usage within an integrated literacy program that includes reading, writing and speaking. Standard grammatical and rhetorical conventions are examined to assess their current significance for acceptable social expression, especially in academic prose.

**ENGL 110 (3-3-0) English Composition I:** A course designed to give extensive practice in the writing process, with emphasis on expository forms appropriate to everyday personal, business, and academic writing. When taken for 4 credits two lab hours are included.

**ENGL 120 (3-3-0) English Composition II:** A course that continues practice in the composing process, with emphasis on argumentation and research. The course involves gathering, analyzing, and documenting information from secondary sources. When taken for 4 credit hours two lab hours are included.

**Prerequisite:** ENGL 110

**ENGL 211 (3-3-0) World Literature I:** A study of major works of the Ancient World, the Middle Ages, and the Renaissance, focusing on representative genres.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 212 (3-3-0) World Literature II:** A comparative study of major works of the Enlightenment, the Romantic Age, the period of Realism and Naturalism, and the Modern World.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 220 (3-3-0) African-American Literature I:** An historical and critical exploration of African American writers' contributions to American fiction, poetry, drama, and non-fiction, beginning with writers of the 1700s and continuing through 1900.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 222 (3-3-0) History of the English Language:** An historical study of the nature of the language from its beginnings to the present.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 223 (3-3-0) African-American Literature II:** A continuation of an historical and critical exploration of African American writers' contributions to American fiction, poetry, drama, and non-fiction, beginning with the 1900s and proceeding to the present.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 230 (3-3-0) Introduction to Linguistics:** An introduction to the inductive method of studying language, exploring the phonological, morphological, and syntactical aspects of language, dialectal variations, graphemics, sound, spelling, linguistic changes, bilingualism, field linguistics, psycholinguistics, sociolinguistics, uses of linguistics, and related topics.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 231 (3-3-0) Advanced Grammar:** A reinforcement of students' skills in grammatical analysis, focusing on the major theories of grammar and on the study of language acquisition in light of current research.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 240 (3-3-0) Introduction to Literature:** An introduction to the major genres of literature, with intensive work in developing the critical skills of reading evaluating, and interpreting literary works and in writing critical papers about literature. This course is available as a humanities option to students not majoring in English. Requirement for B.A. English major.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 250 (3-3-0) Women in Literature:** This course examines the roles of women in literature as characters readers, and writers. Included in the readings are short stories, novels, novellas, essays, poetry, and drama, all by women and about women. The course will provide a historical overview of women's writing and will focus on the challenges of women writing, the creation and treatment of women's lives in literature, the form and content of women's writing, and the literary and feminist theories that discuss women's place in history and society by investigating the evolving conditions of women. Also the course examines how women represent themselves and what their expectations and hopes are for their own and daughters' futures.

**Prerequisite:** ENGL 120

**ENGL 253 (3-3-0) Images of Women:** This course introduces students to traditional and nontraditional images of women as they have appeared in film, music, art, and literature of the nineteenth, twentieth, and twenty-first centuries. This course will encourage students to interrogate images of women in the popular culture of the present day.

**Prerequisite:** ENGL 120 (may be taken concurrently)

**ENGL 271 (3-3-0) Introduction to Literary Theory and Criticism:** This course will introduce students to contemporary trends in literary theory and criticism against the historical background, which contemporary theory is often a reaction against.

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**ENGL 300 (3-3-0) Children's Literature:** An introduction to works of children's literature from a variety of ethnic origins and genres including folklore, myths, epics, biographies, fiction, poetry, and informational books.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 301 (3-3-0) Adolescent Literature:** A study of literature for and about the adolescent, examining reading programs and approaches to literature genres and modes characteristic of the literature, and essential elements of literary works for the adolescent.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 310 (3-3-0) Introduction to Folklore:** An introduction to the forms, aesthetic characteristics, and social contents of oral literatures and folk traditions, folktales, legends, myths, folksongs, proverbs, riddles, customs, and beliefs.

**Prerequisite:** ENGL 211 Or ENGL 223 Or ENGL 240

**ENGL 311 (3-3-0) English Literature I:** A survey of the literature of England from the Anglo-Saxon period through the eighteenth century. Requirement for English majors.

**Prerequisite:** ENGL 223 Or ENGL 240

**ENGL 312 (3-3-0) English Literature II:** A continuation of the survey of English literature, extending from the Romantic period to the present. Requirement for English majors.

**Prerequisite:** ENGL 223 Or ENGL 240

**ENGL 320 (3-3-0) The Renaissance:** A study of the prose and poetry of representative authors of the Renaissance, including dramatists other than Shakespeare.

**Prerequisite:** ENGL 311

**ENGL 321 (3-3-0) American Literature I:** A survey of the major writers of America from the earliest efforts at colonization through the Civil War.

**Prerequisite:** ENGL 223 Or ENGL 240

**ENGL 322 (3-3-0) American Literature II:** A survey of the major writers of America from the Civil War to the present. Requirement for English majors.

**Prerequisite:** ENGL 223 Or ENGL 240

**ENGL 323 (3-3-0) Literature of the Bible:** A literary overview of the Bible, with major emphases on the stylistic and formal influences of the Bible in world literature.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 330 (3-3-0) The Seventeenth Century:** A survey of the metaphysical poets.

**Prerequisite:** ENGL 311

**ENGL 331 (3-3-0) American English Dialects:** A study of dialectical variations in American English, emphasizing the reasons for historical, regional, and social variations in American English.

**Prerequisite:** ENGL 231

**ENGL 332 (3-3-0) Introduction to Film and Visual Literacy:** This course will introduce students to basic concepts in film and other visual media such as video and Internet imaging. The course introduces students to formal vocabulary and methodology for developing the ability to consider visual texts critically. Through understanding and application of the basic concepts of film language, students will learn how elements such



as editing, lighting, and composition within the frame, cinematography, and sound combine to constitute filmic discourse. In order to understand development in these categories, consideration will be given to film history.

**ENGL 335 (3-3-0) Issues in Professional Writing:** This foundation course engages students in applying rhetorical principles, research methods, analytical skills, and technologies to problem-based writing projects that model communications challenges faced by professional writers in complex, real-world settings. Students will consider political, cultural, ethical, and practical issues relevant to professional writing.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 340 (3-3-0) Short Prose Fiction:** A study of representative modern British, American, and continental writers of the short story and the short novel, with emphasis upon the techniques of the genre. Course offered as needed.

**ENGL 341 (3-3-0) Advanced Composition:** A study of rhetorical strategies, sentence combining, editing, logic and persuasion, diction, usage, and research methods.

**Prerequisite:** ENGL 110 And ENGL 120 Or ENGL 110 And ENGL 120

**ENGL 342 (3-3-0) Creative Writing:** An introduction to various forms of modern fiction and poetry, with opportunities for the creation of original poetry and fiction.

**Prerequisite:** ENGL 110 And ENGL 120

**ENGL 343 (3-3-0) Teaching and Tutoring Writing:** A study of composition as a discipline and current issues in the field of teaching and tutoring writing in secondary school English classes. This course emphasizes the teaching strategies for high school English composition.

**ENGL 344 (3-3-0) Business and Professional Writing:** This course explores the principle of effective writing in business and administration with special focus on the elements of mechanics, organization, technical style, and documentation. Students will learn various forms of writing commonly used in business communicating, such as business letters, memorandums, reports and proposals. The course emphasizes clarity, conciseness, organization, format, style, tone, and correctness.

**ENGL 345 (3-3-0) Technical Writing:** This course explores effective writing in technical genres, with a focus on adjusting content, organization and style for various audiences including peer, managerial, and lay audiences. Students will examine and produce various technical documents, such as instructions or manuals and reports, and engage in usability testing and revisions of documents.

**Prerequisite:** ENGL 110 And ENGL 120 And SPEE 200

**ENGL 346 (3-3-0) Creative Nonfiction Workshop:** This course will introduce students to the art and craft of writing creative nonfiction for publication. Students will focus on three subgenres within the discipline: reportage (editorial writing), the personal essay, and travel writing. The course is conducted as a workshop; thus, students will submit drafts of their work to their classmates, receive verbal and written feedback, and revise accordingly. Towards the end of the course, students will develop a portfolio of their work for grading and submit at least one revised work to a journal or magazine for publication.

**ENGL 347 (3-3-0) Writing Children's Literature:** This course will provide students with an understanding of how to write for children in different literary genres and with an opportunity to create written manuscripts for children. The course will also consider issues and trends in the children's publishing industry.

**Prerequisite:** ENGL 110 And ENGL 120

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**ENGL 350 (3-3-0) Modern Poetry:** A study of British and American poetry from Whitman, Dickinson, and Hardy to the present, with emphasis on the major poets of the twentieth century.

**Prerequisite:** ENGL 223 Or ENGL 240

**ENGL 360 (3-3-0) Modern Drama:** A survey of works of major playwrights from Ibsen and Strindberg to contemporaries such as Pinter and Stoppard.

**Prerequisite:** ENGL 221 Or ENGL 240

**ENGL 370 (3-3-0) Junior Seminar:** Directed study on special topics in English conducted by members of the department.

**ENGL 401 (3-3-0) Chaucer:** A course on *The Canterbury Tales* and on other works selected from the Chaucer canon, with consideration of literary, social, religious and philosophical backgrounds of the time.

**Prerequisite:** ENGL 311

**ENGL 411 (3-3-0) Shakespeare:** A study of selected major Shakespearean dramas, including comedies, histories, and tragedies, and of Shakespeare's development as a dramatist. Requirement for English majors.

**Prerequisite:** ENGL 311

**ENGL 412 (3-3-0) Eighteenth Century:** A survey of the major English writers from the Restoration - the age of Dryden, of Pope, and of Johnson to the beginning of Romanticism and a study of the rise of the English novel in the eighteenth century.

**Prerequisite:** ENGL 311

**ENGL 420 (3-3-0) Advanced Reports and Presentation Writing:** This course emphasizes the analysis and production of professional reports and presentations. Students will read, analyze, format for printing and transmission, draft, revise and edit reports in multiple formats, for multiple audiences, and for flexible purposes.

**Prerequisite:** ENGL 341 Or ENGL 344 Or ENGL 345

**ENGL 431 (3-3-0) The American Novel:** A study of the development of the American novel to the 1970s, with emphasis on selected major writers.

**Prerequisite:** ENGL 321 And ENGL 322

**ENGL 432 (3-3-0) Romantic Poetry and Prose:** A study of the major British Romantics, with an examination of representative works by Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats in their cultural and critical contexts.

**Prerequisite:** ENGL 312

**ENGL 470 (3-3-0) Senior Seminar:** Directed study on special topics in English conducted by members of the Department.

**ENGL 480 (3-3-0) Internship:** Supervised practical experience in a professional setting.

**ENGR 101 (1-1-0) Introduction to Engineering and Problem Solving:** This course provides general information on engineering disciplines, common engineering practices, the engineering profession and history, engineering education, engineering design, engineering ethics and engineering opportunities from the instructor and/or invited speakers. Preliminary work on a design project will be undertaken by student teams.

**ENGR 102 (3-3-0) Introduction to Engineering Graphics:** This course introduces the students to skills of effective communication through engineering drawing. Topics include drawing instruments, lettering, geometric drawing, freehand sketching, orthographic projection, CAD systems, and examples of actual engineering drawings.

**ENGR 103 (1-1-0) Introduction to Computing Environments:** This course introduces the students to the computing environments that enable engineering students to get familiar to the hardware/software used in performing computer related tasks. Topics include: basic operation of the computer operating systems; office application tools; engineering application tools; and web page creation. The course will emphasize the computing environment in the field of engineering computation as the students are ready when they transfer to the engineering departments of participating universities.

**ENGR 201 (3-3-0) Engineering Statics:** Basic concepts of forces in equilibrium are introduced. Distributed forces, frictional forces are discussed. Inertial properties are analyzed in application to machines, structures, and systems.

**Prerequisite:** PHYS 121 And MATH 242 (may be taken concurrently)

**ENGR 202 (3-3-0) Engineering Dynamics:** An introduction to kinematics of particles in rectangular, cylindrical, and curvilinear coordinate systems; energy and momentum methods for particles; kinetics of systems of particles; kinematics and kinetics of rigid bodies in two or three dimensions; motion relative to rotating coordinate systems.

**Prerequisite:** MATH 242 And ENGR 201

**ENGR 204 (3-3-0) Properties of Engineering Materials:** This course is an introduction to the fundamental physical principles governing the structure and constitution of metallic and nonmetallic materials and the relationship among these principles and the mechanical, physical, and chemical properties of engineering materials. The influence of atomic and grain structure of structural materials on mechanical properties will be considered. The effects of mechanical and heat treatments on structure and properties of materials are examined. Fatigue and creep of materials, fracture toughness, mechanical and non-destructive evaluation, environmental effects are studied. This course also addresses design considerations as well as characteristics of metals, ceramics, polymers and composites.

**Prerequisite:** CHEM 140 And CHEM 160 And PHYS 121

**ENGR 205 (4-4-0) Chemical Process Principles:** An introduction to material and energy balance principles for chemical systems. Topics include fluid density, flow rate, chemical composition variables, pressure, and temperature. Students will be able to approach problems from a chemical engineering standpoint, including problems involving recycle, bypass, and reactive processes.

**ENGR 206 (3-3-0) Probability and Statistics for Engineers:** This course is a calculus based introduction to probability and statistics with emphasis on Monte Carlo simulation and graphical display of data on computer workstations. Statistical methods include point and interval estimation of population parameters and curve surface fitting (regression analysis). The principles of experimental design and statistical process control are introduced.

**Prerequisite:** MATH 241

**ENGR 214 (3-3-0) Solid Mechanics:** Concepts and theories of internal force, stress, strain, and strength of structural elements under static loading conditions. Constitutive behavior for linear elastic structures is discussed. Deflection and stress analysis procedures for bars, beams, and shafts will be considered. Introduction to matrix, analysis of structures will be made.

**Prerequisite:** MATH 242 And ENGR 201 And ENGR 204 (may be taken concurrently)

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**ENGR 225 (3-3-0) Chemical Process Systems:** Introduction of mathematical and computational tools for analyzing chemical engineering problems. Sequential modular and equation-based simulation of steady-state chemical processes using advanced spreadsheet methods and multivariate root-finding algorithms. Material and energy balances on transient processes and their solution using analytical and numerical methods. Introduction to microscopic material and energy balances using the "shell balance" approach to develop the governing differential equations. Solutions to steady-state boundary value problems in heat conduction and Fickian diffusion.

**FINC 311 (3-3-0) Principles of Finance:** A course in basic financial management, including the study of the nature of financial management, financial analysis, working capital management, and long-term investment decisions.

**Prerequisite:** ACCT 211 And (ECON 211 Or ECON 212)

**FINC 315 (3-3-0) Entrepreneurial Finance:** This course will help students to develop the understanding and skills necessary to become more effective stewards of their small business finances. This course integrates all aspects of planning using finances in a person's small business. It incorporates the preparation of a financial plan for a small business that involves the preparation of balance sheets, income statements, sources of financial resources and the various forms of business ownership. Various techniques and tools will be reviewed, as will the understanding of income tax laws and their impact on small business.

**Prerequisite:** FINC 311

**FINC 320 (3-3-0) Financial Management:** A continuation of FINC 311 emphasizing the use of analytical tools dealing with capital budgeting, capital structure, dividend policy, cost of capital with consideration of long-term financing, expansion, and problems of small businesses in connection with decision-making techniques.

**Prerequisite:** FINC 311

**FINC 323 (3-3-0) Money, Banking, and Monetary Policy (ECON 322):** A formal examination of the role of money, banking, and financial institutions, as well as rudimentary discussion of monetary policy issues in the domestic and international economies.

**Prerequisite:** ECON 211 And ECON 212 And MATH 123

**FINC 330 (3-3-0) Personal Finance:** A study of problems of money management, with special attention to credit borrowing, saving and funds allocation among stocks, bonds, insurance, property, and mutual investment companies.

**FINC 336 (3-3-0) Healthcare Finance:** This course focuses on the financial assessment, acquisition, allocation, and control of financial aspects of health care organizations. Topics include application of financial management principles to the unique decision-making in healthcare industry, budgeting processes, cost allocation, fees structure, and management control process.

**Prerequisite:** FINC 311

**FINC 340 (3-3-0) Risk Management and Insurance:** A focus on the identification, analysis, and measurement of potential losses and on the alternative methods of managing them, with risk management being treated broadly and insurance treated in depth as a method of risk transfer.

**Prerequisite:** FINC 311

**FINC 350 (3-3-0) Real Estate:** A presentation of the fundamental economic aspects of real property, with special attention to the changing character of the urban economy and its effect on land values and land utilization.

**FINC 354 (3-3-0) International Trade and Finance (ECON 351):** A survey of the theories of international trade, balance of payment, exchange rate determination, international portfolio investment (including currency swaps, options and futures) international financial management (global cost, budgeting, and capital flows) and related monetary issues.

**Prerequisite:** ECON 211 And ECON 212

**FINC 410 (3-3-0) Investments:** A survey of portfolio models and theories; factors affecting corporate and other securities as portfolio choices; the organization of capital markets and the analysis and evaluation of securities.

**Prerequisite:** FINC 311

**FINC 411 (3-3-0) Investment Analysis:** This course provides an introduction to fixed income markets in the world. These markets include dealings in government, corporate debt instruments, mortgages, OTC (over-the counter) and exchange traded securities. The course topics include: the description and analysis of fixed income instruments; term structure of interest rates theory; evaluation of fixed income securities; portfolio management; asset backed securities; dynamic investment strategies; and other topics of current relevance to these markets.

**Prerequisite:** FINC 410

**FINC 412 (3-3-0) Security Analysis:** This course provides an overview of the securities industry and the different types of securities available for inclusion in a portfolio. Consistent with some objective a more detailed approach is then applied to evaluation of the different classes of securities.

**Prerequisite:** FINC 410

**FINC 420 (3-3-0) Commercial Bank Management:** A study of the fundamental principles underlying the management of a commercial bank; capital funds; assets and liability management; value maximization; legal and operational constraints.

**Prerequisite:** FINC 311

**FINC 430 (3-3-0) Seminar in Banking and Finance:** A study of contemporary issues in Finance with areas of analysis drawn from corporate finance, investments, and financial markets and institutions.

**Prerequisite:** FINC 320

**FINC 431 (3-3-0) Options and Futures:** This is an introductory course in financial futures and options. The course topics include: the description of futures, forward, and options markets; the determination of forward and future prices, interest rate and currency futures and swaps; properties of stock options; valuation of stock options with Binomial and Black-Scholes models; other types of options including stock index options, options on futures, and interest rate options; and hedging strategies using futures and options.

**Prerequisite:** FINC 410

**FINC 440 (3-3-0) International Financial Management:** This course examines factors that are critical to the financial decision making process in a global economic environment. Our approach will be from the perspective of a financial manager in private business enterprise.

**Prerequisite:** FINC 320

**FINC 450 (3-3-0) Financial Markets:** A course in macro-finance which focuses on financial markets and the financial institutions that serve them. Money and capital markets and their role in the savings and investment are considered. Topics such as the market for loanable funds, flow-of-funds accounts, and securitization are covered.

**Prerequisite:** FINC 311

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**FINC 453 (3-3-0) Economics and Finance Internship (ECON 450, BADM 430):** A practical course enabling students to apply their theoretical knowledge of economics/finance to real situations and to gain practical experience in business, financial industry, and government institutions.

**FINC 460 (3-3-0) Current Problems of Banking:** This course is intended to survey the current condition of the banking industry. Special emphasis is placed on topics and issues that are most relevant to students preparing to begin careers in banking and related fields.

**Prerequisite:** FINC 420

**FORL 210 (3-3-0) Foreign Language I:** This course is an introduction to a designated foreign language, and is intended for students with no prior knowledge of the language and culture it represents. Emphasis will be placed on the basic language skills (comprehension, speaking, reading, and writing) and culture. Course may be repeated for credit for different languages.

**FORL 220 (3-3-0) Foreign Language II:** This course is a continuation of FORL 210. FORL 220 will continue to improve on the language and cultural knowledge and skills acquired in FORL 210 with emphasis on comprehension, speaking, reading, and writing, as well as pragmatics.

**Prerequisite:** FORL 210

**FORL 250 (3-3-0) Literature in Translation:** This course is a survey of the literature written in foreign language but studied in English translation. It differs from ENGL 211, 212 in that they survey a wide variety of literary works originally in several languages while FORL 250 focuses on the literature of a single language. Students may take FORL 250 more than once for credit if taken in different languages.

**Prerequisite:** ENGL 110 And ENGL 120

**FORS 200 (3-3-0) Introduction to Forensic Science:** This course introduces the basic principles and relationships between the applications of chemistry, biology, and physics to forensic science as they relate to the criminal investigative process. The course is designed to give students insight into the many areas of forensic science and to study the newest techniques used by forensic laboratories. Corequisite: PHYS 111 or PHYS 121

**Prerequisite:** (CHEM 140 And CHEM 160 And BIOL 150) And PHYS 111 (may be taken concurrently) Or PHYS 112 (may be taken concurrently)

**FORS 300 (3-3-0) Forensic Professional Practice:** Provides basic knowledge of proper crime scene procedures and evidence processing that includes proper collection, documentation and preservation of physical evidence. In addition, the ethical issues relating to pre-trial procedures, courtroom testimony, and qualifications of expert witnesses will be presented. Co-requisite: CRJC 200

**Prerequisite:** FORS 200 And CRJC 200 (may be taken concurrently)

**FORS 325 (3-2-2) Molecular Biology:** An in depth study of the structure, function, and biochemistry of proteins and nucleic acids. Isolation, purification and structural modification of DNA and protein in laboratory exercises will be utilized to provide an understanding of the various DNA/protein methodologies and their applicability to forensic science.

**Prerequisite:** BIOL 200 And CHEM 221 And CHEM 222

**FORS 400 (4-3-3) Forensic Microscopy:** This course will familiarize students with the microscopy equipment common to most modern crime labs. The course will enable students to select the mode appropriate equipment and techniques and to make basic observations of the physical and optical properties of common evidential materials. This class is an introduction to microscopic analysis, identification, and characterization of materials, such as glass, hair, fiber, paint, and soil.

**Prerequisite:** FORS 200

**FORS 410 (3-3-0) Technical Writing in Forensic Science:** This course provides students with a working knowledge of various types of technical and scientific communication, including writing proposals, instructions, and forensic reports for both specialist and nonspecialist. It aims to enable the students to present information professionally in clear, concise and appropriate format. It deals with ethical issues involved in professional technical writing. Formal elements of reports with library research are also emphasized.

**Prerequisite:** FORS 200 And FORS 300

**FORS 420 (4-3-3) Analytical Methods in Forensic Science I:** Applications of spectroscopic methods to forensic science. Background and applications of ultraviolet/visible spectroscopy, Fourier-transfer infrared spectroscopy, fluorescence spectroscopy, gas chromatography, and mass spectroscopy will be discussed.

**Prerequisite:** FORS 200 And CHEM 222

**FORS 430 (4-2-6) Analytical Methods in Forensic Science II:** Applications of separation methods to forensic science. Techniques covered will include gas chromatography, liquid chromatography, and capillary electrophoresis.

**Prerequisite:** FORS 420

**FORS 431 (3-2-2) Population Genetics:** A study of genetic and ecological forces that influence the structure of populations with two (2) hours of laboratory exercises and experimental studies. Students will evaluate the effects of random genetic drifts, mutations, natural selection, inbreeding, assortative mating, molecular evolution and quantitative/ecological genetics on populations.

**Prerequisite:** ZOOL 410

**FORS 440 (4-0-4) Internship:** A field internship that allows students to integrate theory with hands on experience through independent laboratory work and study at an affiliated crime laboratory. The internship must be performed in an approved agency under the supervision of a faculty member. The student will spend 1-3 week rotations in the major areas of the crime laboratory, such as instrumental analysis, toxicology/drug analysis, DNA analysis and trace analysis.

**Prerequisite:** FORS 200 And FORS 300 And FORS 420 And FORS 400 And FORS 410

**FORS 450 (4-2-6) DNA Analysis in Forensic Science:** Applications of DNA isolation and detection methods. Techniques covered will include Polymerase Chain Reaction, isolation of genomic DNA, RFLP analysis, DNA electrophoresis.

**Prerequisite:** FORS 325

**FREN 110 (3-3-0) Elementary French I:** An introduction to the language, literature, and culture of French-speaking peoples, with emphasis on the basic language skills. Laboratory practice required.

**FREN 111 (3-3-0) Elementary French (Honors):** An introduction to the language, literature, and culture of Frenchspeaking peoples, with treatment in greater breadth and depth than in French 110. Laboratory practice required. Admission based upon an entrance examination, previous study, and other relevant experiences.

**FREN 120 (3-3-0) Elementary French II:** A continuation of studies in the language, literature, and culture of Frenchspeaking peoples begun in FREN 110, including further development of the basic language skills, with special attention to improving oral language skills. Laboratory practice required.

**Prerequisite:** FREN 110

**FREN 121 (3-3-0) Elementary French II (Honors):** A continuation of honors studies in the language, literature, and culture of French-speaking peoples begun in FREN 111, including further development of the

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basic language skills, with special emphasis on increasing proficiency in oral language skills. Laboratory practice required. Admission based upon an entrance examination, previous study, and other relevant experiences.

**FREN 211 (3-3-0) Intermediate French I:** Intermediate level studies of the language, literature, and culture of Frenchspeaking peoples, including further development of the basic language skills, with increased emphasis on reading comprehension and writing in French. Laboratory practice required.

**Prerequisite:** FREN 120

**FREN 212 (3-3-0) Intermediate French II:** A continuation of intermediate level studies of the language, literature, and culture of French-speaking peoples, including further development of the basic language skills, with special emphasis on idiomatic usages and complex grammatical structures. Laboratory experience required.

**Prerequisite:** FREN 211

**FREN 311 (3-3-0) French Conversation I:** A course focusing on increasing fluency in conversational French. Laboratory practice required.

**Prerequisite:** FREN 212

**FREN 312 (3-3-0) French Conversation II: Conversation and Composition:** A course focusing on developing the level of proficiency in the basic language skills necessary to complete advanced courses taught exclusively in French.

**Prerequisite:** FREN 311

**FREN 321 (3-3-0) French Civilization and Culture:** A study of the civilization, culture, and history of Frenchspeaking peoples, with attention given to the life, customs, philosophy, art, music, and general patterns of culture. Taught exclusively in French.

**Prerequisite:** FREN 212

**FREN 322 (3-3-0) Survey of French Literature I:** A study of representative French literary works from earliest times to 1800. Taught exclusively in French.

**Prerequisite:** FREN 321

**FREN 331 (3-3-0) Survey of French Literature II:** A study of representative French literary works of the nineteenth and twentieth centuries. Taught exclusively in French.

**Prerequisite:** FREN 321

**FSCN 322 (3-3-0) Fire Investigation:** A course intended to provide the student with advanced technical knowledge on rules of law, fire scene analysis, fire behavior, evidence collection and preservation, scene documentation, case preparation and testifying.

**FSCN 377 (3-3-0) Fire-Related Human Behavior:** An exploration of the dynamics of human behavior in fire incidents. The functions and implementation of prevention practices, program, codes, and ordinances are stressed. The concepts of risk, personal invulnerability, role, and group dynamics are examined in relation to design aspects of buildings and mitigation of the effects of fire on modern society. Discussion deals with proper ways of conducting postfire interviews and emphasizes the psychological effects of communications during emergencies.

**FSCN 400 (3-3-0) Political and Legal Foundations of Fire Protection:** An examination of the legal, political, and social aspects of the government's role in public safety, including the American legal system, fire



department operations, employment and personnel issues, fire officials' roles, and legislative and political influence.

**FSCN 401 (3-3-0) Fire Protection and Structure and System Design:** This course examines design principles involved in structural fire protection and automatic suppression systems, including fire resistance and endurance, flame spread evaluation, smoke control, alarm systems, sprinkler innovations, evaluation of sprinkler system designs, and specialized suppression systems.

**FSCN 402 (3-3-0) Managerial Issues in an All Hazards Environment:** This course examines regulatory issues, hazard analysis, multiagency contingency planning, response personnel, multiagency response resources, agency policies, procedures and implementation, public education and emergency information systems, health and safety, command post dynamics, strategic and tactical considerations, recovery and termination procedures, and program evaluation.

**FSCN 406 (3-3-0) Technologically Enhanced Fire and EMS Services:** This course examines the current and potential application of information technology in the emergency services. Focus will be on how this technology can enhance service delivery and personnel safety. Emphasis will be on the utilization of GIS capability and other information applications to improve the amount of decision-making data available to firefighters which will increase effectiveness.

**FSCN 412 (3-3-0) Advanced Fire Administration:** This course examines organizational and leadership tools for fire service administrators, including community approaches to administration, core skills, planning and implementation, leading change, and community management.

**FSCN 421 (3-3-0) Incendiary Fire Analysis and Investigation:** This course examines technical, investigative, legal, and managerial approaches to the arson problem, including principles of incendiary fire analysis and detection, environmental and psychological factors of arson, gang-related arson, legal considerations and trial preparations, managing the fire investigation unit, intervention and mitigation strategies, and shaping the future.

**Prerequisite:** FSCN 322 And PHYS 390

**FSCN 422 (3-3-0) Applications of Fire Research:** An examination of the rationale for conducting fire research, various fire protection research activities, and research applications, including fire test standards and codes, structural fire safety, automatic detection and suppression, life safety, and firefighter health and safety.

**FSCN 430 (3-3-0) Fire Service Personnel Administration:** Basic and advanced concepts and processes of designing, implementing, and administering the personnel functions of fire service organizations. Emphasis is placed on human resource planning, job classification, job analysis, equal opportunity organizations and resources, affirmative action, recruitment, retention, development, performance evaluation, and assessment centers.

**FSCN 431 (3-3-0) Analytical Application to Public Fire Protection:** This course examines tools and techniques of rational decision-making in fire departments, including databases, statistics, probability, decision analysis, utility modeling, resource allocation, cost-benefit analysis, and linear programming.

**FSCN 441 (3-3-0) Topics in Fire Department Management:** A course designed to cover contemporary topics of interest in the area of fire department administration.

**FSCN 490 (6-0-0) Fire Service Internship:** An experience that offers an opportunity to apply content learned in the classroom to complete a project in management or investigation in the workplace.

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**GEOG 210 (3-3-0) Principles of Geography:** An introductory study of the physical and cultural elements of the surface of the earth, emphasizing the geographic relationships and surveying the interaction between human beings and their physical environment.

**GEOG 220 (3-3-0) World Regional Geography:** A geographical study of the world by realms or regions and of the basic relationship between the physical and cultural elements within the major realms of the world, with a detailed study of some selected regions.

**GEOG 230 (3-3-0) Computer Graphics I:** An introductory computer graphics course emphasizing the Low Resolution computer graphics utilized in geography.

**GEOG 240 (3-3-0) Computer Graphics II:** An introductory computer graphics course emphasizing the High Resolution computer graphics utilized in geography.

**GEOG 250 (3-3-0) Basic Map Reading:** An introductory map-reading course, with emphasis on map interpretation techniques and on the most commonly used types of maps and their interpretations.

**GEOG 260 (3-3-0) Population Geography:** A study of the patterns of population distribution on the surface of the earth, emphasizing patterns of population growth, density, and movement and alterations related to changes in selected socioeconomic and cultural phenomena.

**GEOG 300 (3-3-0) Medical Geography:** The geographic study of human ecology and health on the surface of the earth, with an analytical study of the world patterns of disease distribution and their cultural/environmental interactions, as well as alterations of disease patterns because of developments in various cultures.

**GEOG 310 (3-3-0) Economic Geography:** A geographic analysis of the distribution of economic activities on the surface of the earth, with emphasis on present-day patterns and trends of production, distribution, and utilization of the world's major commodities.

**GEOG 311 (3-3-0) Cartography:** A study of principles and techniques of constructing maps and other graphic devices, emphasizing the construction of map projections and their uses, problems of scales, the interpretation of contour maps, lettering and sketching techniques, and graphic presentation of statistical materials.

**GEOG 312 (3-3-0) Advanced Cartography:** A study of advanced principles and techniques of map and graphic construction and interpretation.

**GEOG 313 (3-3-0) Aerial Photo Interpretation:** A study of the basic principles of aerial photographic mapping and the interpretation of aerial photos in terms of both physical and cultural/human geography, with emphasis on detecting and identifying the natural/physical and human/cultural elements of the geographic complex on the surface of the earth from the perspective of space.

**GEOG 314 (3-3-0) Introduction to Remote Sensing:** An introductory study of remote sensing, emphasizing its application to environmental and land use analyses of the earth.

**GEOG 316 (3-3-0) Computer Cartography:** An introduction to the cartographical uses of computers and computer graphics, with emphasis on applications of computer mapping to geographic phenomena and problems.

**GEOG 317 (3-3-0) Computer Techniques in Geography:** A course emphasizing computer usage and techniques applicable to studies of the geographical phenomena on the surface of the earth and to the study of geography as an academic subject.

**GEOG 320 (3-3-0) Introduction to Geographic Information Systems:** An introductory course covering the theory and application of Geographic Information Systems (GIS) This course includes an overview of general principles of GIS and practical experience in its use.

**GEOG 321 (3-3-0) Geography of the Soviet Union:** A study of the physical features, natural resources, population distribution, and human/cultural geography of the Soviet Union across time.

**GEOG 322 (3-3-0) Geography of Latin America:** A regional study of the physical environmental conditions, natural resources, economic development, and social and political conditions of Latin American countries.

**GEOG 330 (3-3-0) Geography of Africa:** A geographic study of the continent of Africa, with differentiating descriptions of its countries and regions, its distinctive character in comparison with other continents, and its current problems and developments.

**GEOG 340 (3-3-0) Cultural Geography:** An examination of human experience as it occurs in different natural settings, with analyses of symbolic and material elements of culture, focusing on those areas with landscape and environment manifestations and using specific case studies to determine how processes such as innovation, diffusion, and cultural change function.

**GEOG 350 (3-3-0) Physical Geography:** An examination of the physical systems and features of the earth, with emphasis on detailed analyses of systematic functions and interrelations of the geophysical processes of the earth's physical/natural environment.

**GEOG 360 (3-3-0) Climates:** A study of world climatic patterns with emphasis on the classification and distribution of various types of climates on the surface of the earth and their influence on human beings.

**GEOG 370 (3-3-0) Introduction to Meteorology:** An introductory study of the atmospheric phenomena of weather, emphasizing analyses of the weather elements, weather production processes, and techniques of weather forecasting.

**GEOG 400 (3-3-0) Introduction to City and Regional Planning:** A study of the principles, concepts, and reality of city and regional planning from the past to the present, with emphasis on urbanization and planning, and on analyses of current urban problems and forces responsible for urban and regional growth.

**GEOG 410 (3-3-0) Human Beings and the Environment:** An examination of the interaction between human beings and the environment on the surface of the earth, with attention to specific types of ecosystem degradation and to solutions of resulting problems.

**GEOG 411 (3-3-0) Industrial Geography:** A study of manufacturing regions and major industries of leading industrial nations of the world, with attention to factors relating to the nature, location, and development of manufacturing industries.

**GEOG 412 (3-3-0) Ecology:** A geographic study of the ecological system of the earth and the relationship of earth's organisms to their environment, with special attention to the effects of human activities on the ecosystem.

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**GEOG 420 (3-3-0) Conservation of Natural Resources:** A study of conservation practices related to natural resources of the earth, emphasizing techniques for preserving the earth's waters, soils, forests, grasslands, animals, and human resources.

**GEOG 421 (3-3-0) Geography of the South:** An analytical study of the physical, historical, economic, social and cultural environment of the present day southern United States, acquainting students with the geography of the South and with the distinctive and changing character of the South.

**GEOG 430 (3-3-0) Geomorphology:** An examination of the geomorphological processes and factors creating and affecting the development of the natural landscape of the earth.

**GEOG 431 (3-3-0) Political Geography:** A study of the geographical nature of political states, emphasizing their organization, power, and boundaries, and the geographic influences on their internal and external relations, with additional attention to concepts of geopolitics and associated contemporary problems.

**GEOG 440 (3-3-0) Urban Geography:** A geographical survey of the internal and external spatial relationships of cities and city systems, with special emphasis on patterns of growth, distribution, and functioning within and among cities in various parts of the world, particularly in the United States.

**GEOG 480 (3-3-0) Seminar in Geography:** Research in geographic thought and concepts and their practical applications, with emphasis on quantitative and empirical analyses of some specific problems of physical and cultural/human elements of the earth's environment from perspectives of geographic research.

**GEOL 311 (3-3-0) Introduction to Geology I:** An introductory course in physical geology concerned principally with the composition of the earth's crust and the processes that act to change its upper surface.

**GEOL 312 (3-3-0) Introduction to Geology II:** A continuation of GEOL 311, including studies of the active internal processes of the earth, such as plate tectonics and earthquakes, and of the earth's interior composition and structure, with introductions to historical geology and the succession of life forms that formerly lived on the earth.

**Prerequisite:** GEOL 311

**GERM 110 (3-3-0) Elementary German I:** An introduction to the language, literature, and culture of German-speaking peoples, with emphasis on the basic language skills. Laboratory practice required.

**GERM 120 (3-3-0) Elementary German II:** A continuation of studies in the language, literature, and culture of German-speaking peoples begun in GERM 110, including further development of the basic language skills, with special attention to improving oral language skills. Laboratory practice required.

**Prerequisite:** GERM 110

**GERM 211 (3-3-0) Intermediate German I:** Intermediate level studies of the language, literature, and culture of German-speaking peoples, including further development of the basic language skills, with increased emphasis on reading comprehension and writing in German. Laboratory practice required.

**Prerequisite:** GERM 120

**GERM 212 (3-3-0) Intermediate German II:** A continuation of intermediate level studies of the language, literature, and culture of German-speaking peoples, including further development of the basic language skills, with special emphasis on idiomatic usages and complex grammatical structures. Laboratory experience required.

**Prerequisite:** GERM 211

**GERM 310 (3-3-0) Advanced Conversation and Phonetics:** A course focusing on developing the level of proficiency in the basic language skills necessary to complete advanced courses taught exclusively in German.  
**Prerequisite:** GERM 212

**GERM 321 (3-3-0) German Civilization:** A study of the civilization, culture, and history of German-speaking peoples, with attention to the life, customs, philosophy, art, music, and general patterns of culture. Taught exclusively in German.  
**Prerequisite:** GERM 310

**GLBL 200 (6-6-6) Global Literacy Experience I:** An officially sponsored university instructional experience that enhances students' understanding of one or more of the components of "Global Literacy" core curriculum requirement for which no other course number exists. Experiences at the 200 level primarily address 5.01 - 5.05. All course offerings under this title must receive prior approval by guidelines established by the International Education Advisory Committee. Academic credit is based on the following formula: one semester credit is equivalent to 750 minutes of documented instruction. Students will be awarded grades of S (Satisfactory) or U (Unsatisfactory).

**GLBL 300 (6-6-6) Global Literacy Experience II:** An officially sponsored university instructional experience that enhances students' understanding of one or more of the components of "Global Literacy" core curriculum requirement for which no other course number exists. Experiences at the 200 level primarily address 5.06 - 5.08. All course offerings under this title must receive prior approval by guidelines established by the International Education Advisory Committee. Academic credit is based on the following formula: one semester credit is equivalent to 750 minutes of documented instruction. Students will be awarded grades of S (Satisfactory) or U (Unsatisfactory).

**GLBL 400 (6-6-6) Global Literacy Experience III:** An officially sponsored university instructional experiences that enhances students' understanding of one or more of the components of "Global Literacy" core curriculum requirement for which no other course number exists. Experiences at the 200 level primarily address 5.06 - 5.08. All course offerings under this title must receive prior approval by guidelines established by the International Education Advisory committee. Academic credit is based on the following formula: one semester credit is equivalent to 750 minutes of documented instruction. Students will be awarded grades of S (Satisfactory) or U (Unsatisfactory).

**HCM 210 (3-3-0) Medical Terminology/Health Care Managers:** This course provides an introduction to the language of health care. The course will examine key terms managers and health care providers need to be successful in the health care industry.

**HCM 221 (3-3-0) Medical Coding for Managers:** this course will prepare healthcare managers ot understand and improve their competence in medical coding as it relates to billing and insurance by providing an introduction as well as in-depth study of Current Procedural Terminology, International Classification of Diseases, 9yh Revision, Clinical Modification (ICD 9-CM), and the third-party reimbursement. By the end of the course the student will be prepared to sit for the state exam to become a certified medical coder.  
**Prerequisite:** HCM 380

**HCM 310 (3-3-0) Organization of Health Care System:** This course provides an introduction to the Health Services Industry. The course will examine key components, characteristics, and organization of the health care system as well as trends and management challenges in the provision of care to a diverse population.

**Prerequisite:** MGMT 311

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**HCM 311 (3-3-0) Principles of Health Care Management:** This course presents the foundation principles and dynamics of health care management, the healthcare system, and basic concepts and skills in administration. The institutional, social, and political forces in the field of healthcare are analyzed. Topics include fundamentals of management in healthcare and contemporary issues.

**HCM 320 (3-3-0) Managed Care:** This course is intended to provide a foundation for managed care and practice and contractual arrangements, including the evolution of managed care as well as an exploration of the various tools that have been developed to improve systems of care. Particular emphasis is placed on contemporary/integrated systems of care.

**HCM 330 (3-3-0) Healthcare Policy and Law:** This course provides an introduction to a wide range of topics in the area of health policy, and law. Students will become familiar with the evolution of health care policy as well as potential legal and problems in various health care settings. They will also learn to differentiate between legal and ethical problems. Among the subject areas covered are licensing, professional liability, confidentiality, informed consent, professional relationships, access issues, antitrust, and bioethical issues, with particular emphasis on how these areas impact management practice.

**HCM 350 (3-3-0) Healthcare Quality Management:** This course presents the basic principles and tools associated with quality management. The topics include the definition of quality and its function in health services; pioneers in quality; strategic quality planning; quality tools; customer voice; market voice; statistical quality control and international issues and standards.

**Prerequisite:** HCM 310 And HCM 311

**HCM 370 (3-3-0) Marketing Management in Healthcare:** This course provides a foundation for managing the marketing function in healthcare. Particular attention is given to both the use of marketing tools to facilitate attainment of organizational goals in healthcare and the unique issues faced by the healthcare marketers.

**HCM 450 (3-3-0) Healthcare Senior Seminar:** This course is intended to provide culminating experience for senior students within the healthcare management concentration. The seminar format provides interaction between health care executives and students, resulting in outcomes of mutual benefit via a structured project. In addition, presentations by health care executives will shape student understanding of contemporary issues facing major healthcare industry segments.

**Prerequisite:** HCM 310 And HCM 311 And HCM 320 And HCM 330 And HCM 350

**HEED 112 (2-2-0) Health and Wellness:** This course deals with basic concepts of personal and community health in a complex modern society. Sexuality, population planning, mental health, nutrition, fitness, health care delivery system, and diseases of infectious and non-infectious nature are considered. Health behavior and behavior change for quality living for the individual and community are stressed.

**HEED 212 (3-3-0) Health Promotion and Wellness:** An introduction to health concepts as they relate to the individual, family, and community. Designed to acquaint students with behaviors that promote health and reduce risks to diseases.

**HEED 300 (3-3-0) Human Sexuality:** A study of concepts and methods for sex education programs, including physiological, social and educational aspects of human sexuality, and emphasizing preparation for teaching about human sexuality in K-12 programs.

**HEED 301 (3-3-0) Drug Education:** An in-depth study of the use and abuse of legal and illegal drugs, alcohol and tobacco; the psychological and sociological factors associated with drug experimentation and abuse; and the psychosocial and physiological effects of drugs on health and behavior.

**HEED 310 (3-3-0) Mental and Emotional Health:** A study of the fundamental principles underlying emotional health, including human relationship, stress, social-learning adjustments, personality, and life styles.

**HEED 311 (3-3-0) Environmental Health:** A study of major areas of environmental health, including the health concerns, problems, and diseases arising from environmental pollutants.

**HEED 320 (2-2-0) Methods and Materials of Teaching Physical Education and Health Education K-6:** An introduction to the content, methods, and materials basic to the health and physical education of students K-6.

**HEED 321 (3-3-0) Health in Early Childhood Education:** An introduction to the principles, content, practices, and procedures basic to health education in early childhood, K-3.

**HEED 322 (3-3-0) Health in the Intermediate Grades:** An introduction to the principles, content, practices, and procedures basic to health education at the intermediate level.

**HEED 340 (3-3-0) Organization and Administration of School/Community Health Education:** A study of modern theories and guiding principles in the organization and administration of school-community health education programs, including coverage of such topics as program planning, fiscal management, vital statistics, and laws pertaining to school-community health.

**HEED 372 (3-3-0) First Aid and Safety Education:** A study of the principles and practices of first aid and safety techniques, with emphasis on emergency procedures and safety-related agencies and their services. Also includes the teaching of first aid and safety K-12.

**HEED 401 (3-3-0) School Health Program:** A study of the roles of the classroom teacher, the school nurse-teacher, and other related personnel in the development and implementation of a total school health curriculum, including content, methods, and materials appropriate to elementary, intermediate, and secondary levels.

**HEED 410 (3-3-0) Introduction to Epidemiology:** The principles of epidemiology used in the investigation of each event, such as disease, accidents, and other health-related problems. These principles will be demonstrated by a class project of epidemiologic investigation. An in-depth study of major public health problems, with emphasis on the K-12 classroom teacher as the change agent for a healthier society through health education.

**HEED 411 (3-3-0) Public Health Problems:** An in-depth study of major public health problems, with emphasis on the K-12 classroom teacher as the change agent for a healthier society through health education.

**HEED 420 (3-3-0) Nutrition:** An introduction to the principles and concepts of nutrition, with emphasis on the importance of nutrition education for the development of healthy eating habits.

**HEED 421 (3-3-0) Methods and Materials in Teaching Health K-6:** An introduction to the content, principles, practices, and procedures in health education at the elementary level, with special focus on the role of the teacher in the elementary school health program.

**HEED 431 (3-3-0) Adapted Physical Education:** A study of principles and methods for adapting health and physical education programs to handicapping conditions. These principles and methods will be demonstrated by evaluations of physical, perceptual-motor and postural fitness levels, and the design,

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implementation, and evaluation of an active diversified adapted program. A 25 clock hour laboratory experience is required.

**HEED 441 (3-3-0) Measurement and Evaluation in Health Education:** An introduction of fundamental statistics for measuring and evaluating the effectiveness of health education and community health programs.

**HIPO 300 (3-3-0) Contemporary African American Politics:** A study of selected issues related to African-Americans living in America, with emphasis on contemporary political organizations and activities of African-Americans.

**HIPO 310 (3-3-0) Political History of Contemporary China:** A study of political development in China from the Revolution of 1911 through the consolidation of power by Mao Tse-tung in the postwar period and continued through successive leaders to the present.

**HIPO 341 (3-3-0) Constitutional Law and History:** A study of basic principles of the constitutional system, with particular emphasis upon cases that deal with the framework of the American federal system.  
**Prerequisite:** POLI 210

**HIPO 342 (3-3-0) Civil Rights and Constitution:** A study of constitutional principles and their applications as they affect individual civil rights.  
**Prerequisite:** POLI 210

**HIPO 440 (3-3-0) Modern Ideologies:** A study of the principal modern political ideologies: capitalism, communism, fascism, and socialism.

**HIST 100 (3-3-0) Social Institutions:** An historical survey of the development of the basic social institutions such as family, religion, politics, economics, the arts, and education presented as a case study of the African-American experience from past civilizations in Africa to contemporary American society.

**HIST 110 (3-3-0) World History to 1600:** An historical survey of the development of civilizations in Asia, Europe, Africa, and the Americas from their beginnings to 1600, with attention to the governmental, social, religious, economic, political, intellectual, and aesthetic movements and activities that contributed to their development. Offered every semester.

**HIST 120 (3-3-0) World History since 1600:** An historical survey tracing the continuing development of civilization from the beginning of the seventeenth century to the present day, with attention to the governmental, social, religious, economic, political, intellectual, and aesthetic movements and activities that contributed to their development, with special consideration of the movements, ideologies, revolutions, and wars that helped to shape modern history. Offered every semester.

**HIST 210 (3-3-0) African-American History:** A study of African-American social, economic, cultural and political history, with emphasis on the contributions of African-Americans to the social, cultural, economic, and intellectual life of American society and with attention to the role of African-Americans in the exploration, settlement, and development of America, the experience of slavery, and the struggle for civil rights. Offered every semester.

**HIST 211 (3-3-0) The United States to 1865:** A survey of American history from the colonial period through the Civil War. Offered every semester.



**HIST 212 (3-3-0) The United States since 1865:** A survey of American history from the era of Reconstruction to the present. Offered every semester.

**HIST 270 (3-3-0) An Introduction to Africa:** This course seeks to explore the distinguishing features of the peoples and topography of Africa. Moreover, efforts will be made to assay the interactions of these peoples with the outside world in a way that will reveal the truth about them rather than to recycle myths and prejudices.

**HIST 301 (3-3-0) The Era of Civil War and Reconstruction:** A study of the War Between the States, with an examination of the forces that led to the outbreak of the conflict between North and South, the ramifications of the Union victory, and the problems of reconstruction following the war.

**Prerequisite:** HIST 211 And HIST 212

**HIST 302 (3-3-0) Modern America 1914 to Present:** A study of the United States as a modern industrial nation and as a world power, particularly since 1945.

**Prerequisite:** HIST 211 And HIST 212

**HIST 311 (3-3-0) Modern European History, 1648-1848:** A survey of the political, economic, social, and cultural developments in Europe from the Treaty of Westphalia through the Revolutions of 1848.

**Prerequisite:** HIST 110 And HIST 120

**HIST 312 (3-3-0) Modern European History, 1848 to the Present:** A survey of European history covering the late nineteenth and twentieth centuries, including the political, economic, and intellectual movements, as well as the revolutions and wars, that contributed to the shaping of the new Europe.

**Prerequisite:** HIST 311

**HIST 321 (3-3-0) American Social History:** A study of the daily life, institutions, intellectual developments, and artistic achievements in America from the Agrarian Era, 1607-1861, through the Urban Industrial Era, 1861 to the present.

**Prerequisite:** HIST 211 And HIST 212

**HIST 322 (3-3-0) Ethnic Minorities in American Urban History:** A study of the impact of urban life on the history of minority groups in the United States, with special emphasis on the relationships between the urban social order, the condition of minority groups since 1900, and the contributions of minority groups to the American city.

**Prerequisite:** HIST 211 And HIST 212

**HIST 323 (3-3-0) Oral History:** A study of basic oral history techniques, including interviewing, transcribing, and writing a narrative based on the materials produced.

**HIST 331 (3-3-0) History of Modern East Asia:** A study of modern China from the decline of the Manchu Dynasty in the mid-nineteenth century through the events of Tienanmen Square, and of modern Japan from the Meiji Restoration through its post-World War II development as a leading industrial nation.

**Prerequisite:** HIST 110 And HIST 120

**HIST 340 (3-3-0) American Diplomatic History:** A study of American diplomacy from the colonial period to the present, with emphasis on U.S. foreign relations in the twentieth century. Offered on request.

**Prerequisite:** HIST 211 And HIST 212

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**HIST 350 (3-3-0) History of Latin America:** A study of the political, economic, and social institutions and problems of contemporary Latin American nations.

**Prerequisite:** HIST 110 And HIST 120

**HIST 351 (3-3-0) Ancient History:** A study of the origins, development, and contributions of the ancient Near Eastern, Greek, and Roman civilizations, through the fall of the Roman Empire.

**Prerequisite:** HIST 110 And HIST 120

**HIST 352 (3-3-0) North Africa and the Middle East:** A study of Islamic civilization and culture in areas of the southern and eastern rims of the Mediterranean Sea spanning the time period from the seventeenth century to the present day.

**Prerequisite:** HIST 110 And HIST 120

**HIST 353 (3-3-0) History of Mexico:** An introduction to the social, cultural, economic, and political history of Mexico, primarily since independence (1808), with a background on the colonial and Pre- Columbian periods.

**HIST 362 (3-3-0) American Military Experience:** The evolution of the American military profession from colonial times to the post-World War II era, with attention to such topics as American military concepts, strategies tactics, doctrines, and technology, and the influence of military experience on American society.

**Prerequisite:** HIST 211 And HIST 212

**HIST 370 (3-3-0) Africa South of the Sahara:** A study of ancient, medieval, colonial, and modern civilizations and nations in sub-Saharan Africa, with attention to issues relating to African heritage and to the rise of contemporary African nations and cultures.

**Prerequisite:** HIST 110 And HIST 120

**HIST 371 (3-3-0) Renaissance and Reformation:** A study of the rise of individualism and humanistic thought after 1300, the fragmentation of religious and political authority in Europe, the Reformation, and the religious wars through the Treaty of Westphalia.

**Prerequisite:** HIST 110 And HIST 120

**HIST 372 (3-3-0) History of Women in the Western World:** A survey of the changes in the status of women in Western society from ancient to contemporary times, with special attention given to intergroup differences and to minority women.

**Prerequisite:** HIST 110 And HIST 120

**HIST 375 (3-3-0) Women In Africa:** This course explores women's history by region as it has changed over time under pre-colonial, colonial, and independence governments. Topics include customs of female circumcision, bride wealth, and multiple wives; changes in the control over women's labor and women's roles in politics; and in the effect of structural adjustment on women.

**HIST 380 (3-3-0) Medieval Europe:** A study of Europe from the fourth through the fourteenth centuries, with special emphasis on the characteristics of medieval political organization and socioeconomic life, the formative influence of the Church, and the cultural legacy of the Middle Ages.

**Prerequisite:** HIST 110 And HIST 120

**HIST 390 (3-3-0) North Carolina History:** A study of the history of the Tar Heel state from its origins to the present. Offered every year.

**HIST 400 (3-3-0) History of the South:** A study of the development of the southern United States since 1820, with special emphasis on race relations and on industrial growth in the region in the mid-twentieth century.

**Prerequisite:** HIST 211 And HIST 212

**HIST 410 (3-3-0) Survey of American Urban History:** A study of the forces that have shaped the development of the American city from the colonial era to the present time, with special attention given to the social, economic, political, and cultural effects of urban life on city dwellers.

**Prerequisite:** HIST 211 And HIST 212

**HIST 430 (3-3-0) Twentieth Century Europe:** A study of contemporary European issues originating from the two world wars, including the social and political upheavals of the twentieth century, with emphasis on the role of eastern Europe in the decade of the 1990's.

**Prerequisite:** HIST 311 And HIST 312

**HIST 431 (3-3-0) Russia to 1917:** A study of politics and society in Imperial Russia and the collapse of the empire in the Revolution of 1917.

**Prerequisite:** HIST 311 And HIST 312

**HIST 432 (3-3-0) History of the Soviet Union:** A study of the Soviet system and Soviet foreign policy from the Revolution of 1917 through its collapse in 1989.

**Prerequisite:** HIST 311 And HIST 312

**HIST 441 (3-3-0) History of England:** A study of the development of modern England from the English Revolution to the present, with emphasis on the rise and fall of the British empire and the evolution of the Parliamentary system.

**Prerequisite:** HIST 311 And HIST 312

**HIST 442 (3-3-0) History of Modern Germany:** A study of German history through five periods: before unification (1815-1870), under Bismarck, under Wilhelm II, between the wars, and since 1945.

**Prerequisite:** HIST 311 And HIST 312

**HIST 451 (3-3-0) French Revolution and Napoleon:** A study of the collapse of the Ancient Regime, including an examination of the causes and effects of its demise; Napoleon's attempt to establish a new order in Europe under French hegemony; the Congress of Vienna.

**Prerequisite:** HIST 311

**HIST 460 (3-3-0) Problems in American History:** A study of selected issues in American history.

**Prerequisite:** HIST 211 And HIST 212

**HIST 470 (3-3-0) Colonialism and Neo-Colonialism:** A study of the political, economic, and strategic interests of the Great Powers in colonies and former colonial possessions during the nineteenth and twentieth centuries.

**Prerequisite:** HIST 311 And HIST 312 And HIST 331 Or HIST 370

**HIST 480 (3-3-0) Problems in European History:** A study of selected problems and issues in the history of Europe.

**Prerequisite:** HIST 311 And HIST 312

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**HIST 490 (3-3-0) Senior Seminar: Selected Topics:** Selected Topics: In-depth studies in selected areas of special interest, with supervised research and directed readings required. (For History or Social Science majors and minors.)

**HIST 491 (3-3-0) Methods of Historical Research:** HIST 491 (3-3-0) Methods of Historical Research; An introduction to conventional methods of historical research and to new techniques in oral history, family history, and quantitative history. For History or Social Science majors and minors.

**HUMN 211 (3-3-0) Humanities: Music, Art, and Ideas I:** Music, Art, and Ideas I: An interdisciplinary survey course examining works of art, literature, music, philosophy, and religious thought, focusing on major stylistic developments, intellectual movements and cultural achievements of the ancient and medieval eras in Europe, the Middle East, and Africa. Completion of HUMN 211 is recommended before enrollment in HUMN 212.

**HUMN 212 (3-3-0) Humanities: Music, Art, and Ideas II:** Music, Art, and Ideas II: The second part of an interdisciplinary survey course examining works of art, literature, music, philosophy, religious thought, and focusing on major stylistic developments and intellectual movements from the Renaissance to the present day. Completion of HUMN 211 is recommended before enrollment in HUMN 212.

**HUMN 215 (3-3-0) Arts in Performance:** Designed to introduce students to the basic tools an artist uses to create a work of art and to develop an awareness and appreciation of the history and ideas in the dramatic, musical, and visual arts through study and experience with these arts. Students are required to attend scheduled art, music, and theatre events outside of class and engage in critical analysis, form aesthetic judgments, and develop an appreciation of the arts. Attendance at pre- and post- production discussions and at live performances is required.

**Prerequisite:** HUMN 211 Or HUMN 212

**MATH 120 (3-3-0) Finite Mathematics:** An introduction to mathematical sets, logic, probability, statistics, and the metric system.

**MATH 121 (3-3-0) Introduction to College Algebra:** This course provides a foundation in algebraic concepts and problem solving skills for students who are preparing to take college algebra or precalculus I. Topics include arithmetic of real numbers, simplifying expressions (polynomial, rational, radical, etc.), and solving equations and inequalities (linear, quadratic, radical, etc.). When taken for 4 credits, two lab hours are included.

**MATH 123 (3-3-0) College Algebra:** An algebra course containing the following topics: sets, the real number system, exponents, radicals, polynomials, equations, inequalities, relations and functions, graphing, conic sections, exponential and logarithmic functions, systems of equations, complex numbers, mathematical induction, and the binomial theorem. A graphing calculator is required. When taken for 4 credits, two hours of lab are included.

**MATH 124 (3-3-0) College Trigonometry:** A trigonometry course containing the following topics: trigonometric functions defined on angles, circular functions, graphs, inverse trigonometric functions, identities, trigonometric equations, law of cosines, law of sines, and complex numbers. A graphing calculator is required.

**Prerequisite:** MATH 123

**MATH 129 (3-3-0) Precalculus Mathematics I:** This course is the first of a two-semester sequence that provides a background for students who are preparing to take calculus. Topics include sets, the real number

system, exponents, radicals, polynomials, equations, inequalities, functions, relations, graphing, conic sections, rational, exponential and logarithmic functions. A graphing calculator is required.

**MATH 130 (3-3-0) Precalculus Mathematics II:** This course is the second of a two-semester sequence that provides the background for students who are preparing to take calculus. Topics include graphing, systems of equations, matrices, complex numbers, mathematical induction, the binomial theorem, sequences and series, polar coordinates, parametric equations, trigonometric functions, inverse trigonometric functions, law of sines, law of cosines, and trigonometric identities. A graphing calculator is required.

**Prerequisite:** MATH 129

**MATH 131 (3-3-0) Algebra and Trigonometry:** An in-depth study of the topics covered in MATH 129 and MATH 130. A graphing calculator is required.

**MATH 140 (4-4-0) Applied Calculus:** A course in calculus applicable to business and the social sciences incorporating a review of college algebra and studies of linear equations, functions and their limits, derivations, applications of the derivatives, exponential and logarithmic functions, antiderivatives, definite integrals and applications, and numerical techniques and applications.

**Prerequisite:** MATH 123 Or MATH 131 Or MATH 123 Or MATH 131

**MATH 142 (4-4-0) Calculus with Analytic Geometry:** The first course of a three-semester sequence in calculus with analytic geometry, including studies of graphs, functions, limits, differentiation, applications of differentiation, integration, and applications of the definite integral.

**Prerequisite:** MATH 129 And MATH 130 Or MATH 131

**MATH 150 (3-3-0) Discrete Mathematics:** The first course of a two-semester sequence in discrete mathematics, providing the theoretical base and support for computer science and including operations on sets, Cartesian products and tuples, combinatorial objects, Venn diagrams, event spaces and basic probability, number systems, the statement calculus, rules of inference and validity of arguments, inductive proofs, the concept of an algorithm, equivalence relations, partial ordering relations, graphs and digraphs as relations, including trees and shortest paths in digraphs, basic definitions and notations of functions, recurrences for the analysis of algorithms, semigroup and Abelian group, matrix operations, invertibility, and solutions of systems of linear equations.

**Prerequisite:** (MATH 129 And MATH 130) Or MATH 131

**MATH 198 (3-3-0) Math Elective:**

**MATH 241 (4-4-0) Calculus with Analytic Geometry II:** The second course of a three-semester sequence in calculus with analytic geometry, including studies of differentiation and integration of exponential, logarithmic, inverse, trigonometric and hyperbolic functions; techniques of integration, improper integrals, infinite series, and analytic geometry.

**Prerequisite:** MATH 142

**MATH 242 (4-4-0) Calculus with Analytic Geometry III:** The third course of a three-semester sequence in calculus with analytic geometry, including studies of vectors, vector-valued functions, partial differentiation, multiple integrals, and vector calculus.

**Prerequisite:** MATH 241

**MATH 250 (3-3-0) Discrete Mathematics II:** A continuation of MATH 150, including qualification and further rules of inference; formal and informal proofs, machine proofs, with attention to unification and the resolution principle, algebra of sets as an axiomatic theory, the equivalence relation as a partitioning device, further applications of graphs and digraphs, inverses and composition of functions, recursive functions and

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inductive proofs, group codes as an application of group theory, lattices and Boolean algebra, and models of Boolean algebra.

**Prerequisite:** MATH 150

**MATH 251 (3-3-0) Linear Algebra:** A course in linear algebra including such topics as systems of equations, matrix theory, vector spaces, bases and linear transformations.

**Prerequisite:** MATH 130 Or MATH 131

**MATH 260 (3-3-0) Foundations of Mathematics:** A rigorous study of axiomatic set theory, including the following elements: logic, sets, operations on sets, ordinal numbers, induction, cardinal numbers, cardinal arithmetic, and the Axiom of Choice.

**Prerequisite:** MATH 142 And MATH 150

**MATH 262 (3-3-0) Modern Geometry:** A course in modern geometry including studies of incidence geometry in planes and space, distance and congruence, separation in planes and space, angular measure, congruences between triangles, similarities between triangles, and parallel postulates.

**Prerequisite:** MATH 131 Or MATH 129 And MATH 130

**MATH 298 (3-3-0) Math Elective:**

**MATH 312 (3-3-0) History of Mathematics:** A survey of mathematics incorporating biographical accounts of persons who have contributed significantly to the development of mathematics, descriptions of their achievements, and discussions of other major topics of interest in mathematics.

**Prerequisite:** MATH 142

**MATH 315 (3-3-0) Applied Cryptography:** This course is an introduction to classical and modern cryptography. We use elementary number theory to the problems of cryptography. Topics include: Classical cryptosystems, basic number theory, the data encryption standards, the RSA algorithm, discrete logarithms, Hash functions, digital signatures, digital cash, Secrete Sharing schemes, the zero knowledge techniques. A computer algebra system will be used.

**Prerequisite:** MATH 150

**MATH 320 (3-3-0) Difference Equations:** An introductory course in difference equations and discrete dynamical systems including studies of difference calculus, first order difference equations, higher order linear difference equations, basic theory of linear systems of difference equations, linear periodic systems, stability theory, Liapunov's second method, Z-transform, Asymptotic behavior of solutions.

**Prerequisite:** MATH 241 And MATH 251

**MATH 325 (3-3-0) Discrete Optimization:** A course including such topics as maximization and minimization problems in graphs and networks, matching theory, (shortest paths, minimum spanning trees, maximum flows, minimum cost flows); transportation and trans-shipment problems, NP-completeness.

**Prerequisite:** MATH 150

**MATH 331 (3-3-0) Differential Equations I:** The first course of a two-semester sequence in differential equations, emphasizing applications to science and engineering and including the following topics: first order differential equations, second order linear differential equations, higher order linear equations, the Laplace Transform, and series solutions of second order linear equations.

**Prerequisite:** MATH 241

**MATH 340 (3-6-0) Topics in Mathematics:** A study of major topics of current interest in mathematics not covered in existing courses.

**MATH 345 (3-3-0) Mathematics of Interest Rates:** The course closely follows the financial mathematics syllabus of society of actuaries. The purpose of the course is to develop practical knowledge of the theory of interest in both finite and continuous times, know how these concepts are used in the various annuity functions, and be able to apply the concepts of present and accumulated value for various streams of cash flows as a basis for future use in reserving, valuation, pricing, duration, asset/liability management, investment income, capital budgeting, and contingencies.

**Prerequisite:** MATH 142 Or MATH 140

**MATH 350 (3-3-0) Mathematics of Financial Markets:** This course covers the usage and the pricing of derivatives - subjects include the basic features of futures and options, binomial option pricing, the Black-Scholes formula, interest rate based derivatives, volatility measurement, and dynamic trading strategies. It also covers arbitrage-based derivatives pricing approaches, and the understanding of quantitative analysis.

**Prerequisite:** MATH 242 And STAT 301

**MATH 361 (3-3-0) Introduction to Modern Algebra I:** The first course of a two-semester sequence introducing fundamental concepts and proof techniques used in abstract algebra and including studies of groups, normal subgroups, quotient groups, homomorphisms, rings, ideals, quotient rings, integral domains, fields, and related topics.

**Prerequisite:** MATH 251 And MATH 260

**MATH 362 (3-3-0) Introduction to Modern Algebra II:** A continuation of MATH 361 presenting a deeper and more extended study of groups, rings, finitely generated Abelian groups, extension fields, the introductory Galois theory, and related topics.

**Prerequisite:** MATH 361

**MATH 372 (3-3-0) Linear Programming:** A study of methods and applications of optimizing a linear function subject to linear constraints, the theory of the simplex method and duality; parametric linear programs; sensitivity analysis; modeling and computer implementation.

**Prerequisite:** MATH 251

**MATH 380 (3-3-0) Nonlinear Programming:** This course includes methods for unconstrained optimization such as golden section search method, gradient method, Newton's method and conjugate direction method; and methods for constrained optimization, including Lagrange multipliers, Kuhn-Tucker Theory, and duality.

**Prerequisite:** MATH 251

**MATH 400 (3-3-0) Diag/Prescript Math:** A course examining diagnostic teaching in the context of a general approach to mathematics instruction, with emphasis on strengthening students' knowledge of mathematics and instructional psychology.

**MATH 405 (3-3-0) Principals of Discrete Applied Mathematics:** Principles of Discrete Applied Mathematics is a study of illustrative topics in discrete applied mathematics including sorting algorithms, information theory and data compression, coding theory, secret codes, generating functions, Fourier transforms, linear programming, game theory. There is an emphasis on topics that have direct application in the real world.

**Prerequisite:** MATH 150 And STAT 202

**MATH 410 (3-3-0) Introduction to Calculus of Variations and Optimal Control:** Introduction to calculus of variations and optimal control for dynamical systems; the Pontryagin Maximum Principle, necessary conditions for optimality and computational techniques for solution of the necessary conditions.

**Prerequisite:** MATH 331

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**MATH 412 (3-3-0) Advanced Calculus:** A comprehensive and rigorous study of the concepts of limit, continuity, topology on the real line, properties of continuous functions, Mean Value Theorem and Taylor's Formula, and calculus of several variables.

**Prerequisite:** MATH 242 And MATH 260

**MATH 415 (3-3-0) Intro to Wavelets and Data Compr:** This course presents the basic principles of wavelets and data compression. Wavelets have had quite a huge impact in the signal processing community, especially with regard to applications like compression (speech, audio, image and video, modeling and restoration). The course will cover topics including: inner products and norms of n-dimensional vectors, orthogonal matrices and block matrix arithmetic, Entropy and Cumulative Energy, peak signal to noise ratio, complex numbers and Euler's formula, Fourier series, convolutions, lowpass/highpass filters, Haar Transformations, Daubechies filters, Gaussian white noise, VISUShrink denoising technique. There is a significant amount of the course dedicated to programming.

**Prerequisite:** MATH 241 And MATH 251

**MATH 420 (3-3-0) Mathematical Modeling:** This is a multi-disciplinary course that enables the student to learn the techniques of mathematical modeling. There will be an overview of differential equations. The axioms of modeling and model validation will be discussed. Topics will be selected from evolutionary biology: phylogenetic systematics, cladograms, Hennig Argumentation, Wagner Tree Algorithm, biological differentiation and lineage bifurcations, mathematical characterization of plesiomorphism, apomorphism, autapomorphy, synapomorphy; mathematical medicine: pharmacotherapy, disease pathogenesis of HIV, cancer, diabetes, viral disease, fly-bite disease; ecology: complexity of ecosystems, stability of carnivore-herbivore-plant interactions in ecosystems; epidemiological spread of disease: HIV, STDs, West Nile virus, malaria; Markovian combat models; mathematical finance; fractals: fractal dimension, self similarity, use of fractals in investigation of organismic complexity, fractals in medicine, biology, social and behavioral sciences; computational fluid dynamics; Navier-Stokes equations and applications in weather forecasting, hydrodynamics, blood-flow; traffic queuing processes; and structural engineering modeling. Investigative computer simulations using software such as ACSL, Maple, and Mathematica will be utilized.

**Prerequisite:** MATH 251 And MATH 331

**MATH 431 (3-3-0) Differential Equations II:** A continuation of MATH 331, including the following topics: numerical methods, nonlinear differential equations and stability, the Fourier Series and classical partial differential equation, boundary value problems and the Sturm-Liouville Theory, system of linear differential equations, and the existence theory.

**Prerequisite:** MATH 331

**MATH 432 (3-3-0) Read/Honors in Math:** An introduction to methods of research and independent study in mathematics. For seniors and/or honor students.

**MATH 433 (3-3-0) Math Conc/Elem Sch Tch:** A course for pre-service and inservice teachers at the intermediate level, emphasizing sets and the set theory, the development of the real number system, measurements, the use of manipulative materials, elements of geometry, computer utilization, and problem solving.

**MATH 435 (3-3-0) Partial Differential Equations with Applications:** A course containing the following topics: first order partial differential equations, the wave equation, the diffusion equation, and the Laplace equation; d'Alembert's solution, Duhamel's principle; classification of partial differential equations: elliptic, parabolic, and hyperbolic partial differential equations; Stability theory; energy conservation; Sturm-Liouville problems; Fourier series; integral transforms, Laplace transforms; Greens's functions; variational methods. Applications in medicine, engineering, meteorology, and industry will be discussed. Mathematical software



such as ACSL, Maple, and Mathematica will be used.

**Prerequisite:** MATH 242 And MATH 331

**MATH 440 (3-3-0) Applied Numerical Methods:** A course on numerical methods including topics such as: nonlinear equations, linear systems, interpolation and polynomial approximation, curve fitting numerical differentiation, numerical integration, numerical optimization, solution of differential equations, eigenvalues, and eigenvectors. Mathematical software such as Maple, Matlab, and Mathematica will be used.

**Prerequisite:** MATH 431

**MATH 450 (3-3-0) Selected Topics in Mathematics:** Advanced study of major topics in mathematics from such fields as topology, advanced calculus, complex analysis, or modern algebra. Course may be repeated for credit with approval of department.

**MATH 461 (3-3-0) Theory of Real Variables:** A study of the theory of real variables, incorporating a rigorous treatment of limits, functions, continuity, differentiability, and infinite series, and introducing the Riemann-Stieltjes integral and Lebesgue integral.

**Prerequisite:** MATH 412

**MATH 472 (3-3-0) Theory of Numbers:** A study of the elementary properties of integers, invisibility, Euclid's Algorithm, prime numbers, and congruences.

**MATH 481 (3-3-0) Introduction to Topology:** A study of topics in the field of point set topology, including general topological spaces, metric spaces, and various topological properties.

**Prerequisite:** MATH 412

**MATH 485 (3-3-3) Teaching Secondary School Mathematics Using Technology I:** This course is a comprehensive study of teaching secondary mathematics with technology. The emphasis is placed on algebra, calculus, data analysis, probability, and statistics.

**MATH 486 (3-3-3) Teaching Secondary School Mathematics Using Technology II:** This course is a continuation of MATH 485. It provides a comprehensive study of teaching secondary school mathematics using technology, with emphasis on geometry and measurement.

**MATH 492 (3-3-0) Complex Variables:** A rigorous study of elementary functions, differentiation and integration of analytic functions, Taylor and McLaurin series, Residue Theorem, and contour integration.

**Prerequisite:** MATH 412 Or MATH 461

**MEDI 200 (2-2-0) Medical Technology:** A comprehensive study of the language of medicine, including the use of the terms in the various areas of medical science.

**MEDI 451 (3-3-0) Clinical Microscopy:** A study of techniques used in the chemical and microscopic evaluation of urine.

**MEDI 452 (3-3-0) Serology:** A practical study of serological diagnostic tests.

**MEDI 460 (6-6-0) Hematology:** A clinical laboratory evaluation of the normal and pathologic morphology of blood and blood forming organs.

**MEDI 462 (4-4-0) Blood Bank:** A study of basic principles of blood coagulation, with laboratory practice in type and cross-matching of blood.

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**MEDI 470 (8-8-0) Microbiology:** An examination of the morphology and physiology of bacteria, fungi and parasites, including a study of defense mechanisms and the preparation of culture media and techniques for identification.

**MEDI 472 (8-8-0) Clinical Chemistry:** A study in the diagnostic analysis of blood and other body fluids. \*Offered and taught at hospital-based and NAACLS and AMA accredited Schools of Medical Technology. Successful completion of pre-clinical studies and admission to the clinical phase are required to register for these courses.

**MGMT 311 (3-3-0) Principles of Management:** A study of the theory and process of management principles and basic organization behavior. Emphasizes major managerial functions such as planning, organizing, leading, and controlling, as well as the role of the manager in a changing environment. Explains ethical issues, managerial decision making, leadership behaviors, and managing a diverse workforce and provides an introduction to international management.

**Prerequisite:** ECON 211 Or ECON 212 And ACCT 211

**MGMT 325 (3-3-0) Quantitative Methods for Business:** This course provides an introduction to management science topics and modeling in the decision making process. It covers the quantitative tools for managerial decision making and focuses on areas such as linear programming, inventory control, PERT/CPM, simulation, decision analysis, queuing theory. Computer software used for solving these problems.

**Prerequisite:** BADM 216 And MGMT 311

**MGMT 335 (3-3-0) Operations Management:** Operations management refers to the management of resources and processes to produce and distribute goods and services. Operations management serves a crucial role in the functioning of all manufacturing and service organizations. This course is designed to address the key operations and logistical issues in service and manufacturing organizations that have strategic as well as tactical implications. Primary focus will be on the role of the operations manager, project management, capacity planning, layout decisions, total quality management, inventory management, and supply chain management.

**Prerequisite:** BADM 216 And MGMT 311

**MGMT 340 (3-3-0) Project Management:** A study of the planning and control of IT projects and the control and optimization of time/costs will be discussed. Different models of project control under certainty and uncertainty will be presented.

**Prerequisite:** MIS 300 And BADM 216

**MGMT 350 (3-3-0) Entrepreneurship:** A study of the creation, growth, or acquisition of business through entrepreneurial efforts, the nature of entrepreneurship process, and organization of growth oriented acquisitions.

**Prerequisite:** MGMT 311 And FINC 311 And MKTG 311

**MGMT 410 (3-3-0) Human Resource Management:** A study of personnel administration, including the objectives, organization, functions and role of personnel management in the operation of business enterprises, with attention to key problems in the area of employee selection, hiring, and placement; training; wage and salary administration; promotion, transfer, and separation; personnel services; and labor relations.

**Prerequisite:** MGMT 311

**MGMT 415 (3-3-0) HR Staffing and Development:** This course provides the student with insight into the theories and techniques of the key Human Resource Management (HRM) functions of employee selection and employee training and development. Selection is viewed as establishing the employment

relationship while training is viewed as addressing skill gaps between employees' actual and desired performance. Strategies are explored for measuring job performance requirements in order to effectively recruit, select, and train employees to meet organizational and individual objectives. Legal, ethical, and global issues in human resources staffing and development are explored throughout the course. This course covers core material essential for managers and for every HRM professional.

**MGMT 420 (3-3-0) Organizational Behavior:** The study of human behavior at the individual, group and organizational level including discussion and case studies related to motivation, perception, job design, group behavior, communication, interpersonal conflict, ethics, performance, motivation, and leadership.

**Prerequisite:** MGMT 311

**MGMT 421 (3-3-0) Quality Management:** Quality has become the responsibility of everyone and has been applied by manufacturer and services alike to achieve competitive advantage. This course examines the concept of quality and develops skills in the use of quality tools. Primary focus will be on the management of quality by all the disciplines in an integrated manner within the organization, statistical quality control, total quality management, international quality standards, Japanese concepts of quality, and related topics.

**Prerequisite:** BADM 216 And MGMT 311

**MGMT 425 (3-3-0) International Business Management:** A survey of the theoretical and institutional complexities of international business operations, with emphasis on the special knowledge and skills essential to personnel engaged in the planning and administration of business enterprises and governmental organizations with overseas relationships.

**Prerequisite:** MGMT 311

**MGMT 435 (3-3-0) Group and Interpersonal Dynamics:** This course is conducted in a learning group setting where students experience first hand the dynamics that occur in a task-oriented group while reading and learning about the theory of group development. This course should be taken concurrently with MGMT 470 Strategic Management or MIS 330 Systems Analysis or another course where the student is involved in a team project. The class will explore key issues that underlie group life such as inclusion, influence and intimacy. Leadership and how it emerges within the group will be a key aspect of the learning. The course also includes self assessment exercises and feedback from the group that increases students' awareness of their own styles in interacting with others, including influence style, conflict management, decision making style, communicating and listening styles.

**Prerequisite:** MGMT 311

**MGMT 450 (3-3-0) Small Business Management:** The process of managing a small business including planning, marketing, production, finance, organization, personnel, and pragmatic issues in real situations.

**Prerequisite:** MGMT 311 And FINC 311 And MKTG 311

**MGMT 460 (3-3-0) Corporate Entrepreneurship:** This course addresses the emerging practice of corporate entrepreneurship or Intrapreneurship, broadly defined as the application of entrepreneurial capabilities of the development of new venture within an existing firm. Thus, this course will provide insights into the innovation process in corporations and the unique problems and opportunities that managers and corporate entrepreneurs face in translating innovative ideas into successful results, from opportunity recognition to new venture creation.

**Prerequisite:** MGMT 311 And MKTG 311 And FINC 311

**MGMT 470 (3-3-0) Strategic Management:** A capstone course focusing on the theoretical and practical knowledge acquired in previous undergraduate business administration courses. Text and lecture will cover external and internal environmental analysis, business and corporate level strategy, industry analysis, functional strategy, implementation, control, and global business. Case analysis and presentation will combine

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and enhance learning acquired from readings and Internet searches.

**Prerequisite:** MGMT 311 And FINC 311 And MKTG 311

**MIS 211 (3-3-0) Business Software Applications:** This course provides a hands-on approach to learning business software applications. Topics in this course include spreadsheet and database software application development, web design, internet search and e-collaboration through white boarding, messaging, and discussion boards. These software environments and tools are extensively used in organizations to analyze situations and solve problems.

**MIS 212 (3-3-0) Introduction to Computer Programming:** This course will introduce students to basic concepts of programming using Visual Basic with emphasis on business applications. The topics for the course will include VB programming, computer concepts in relation to management, the use of Integrated Development Environment (IDE), flowcharts, algorithms, decision making, control structures, modules, developing simple forms, writing procedures, using array.

**MIS 300 (3-3-0) Information Systems Theory and Practice:** This course provides an understanding of systems and development concepts, information technology, and application software. This course explains how information and technology are used in organizations to enable improvements in business processes, support decision-making, and contribute to the achievement of competitive advantage. The course focuses on topics such as databases, data warehouses, decision-making, SCM, electronic commerce, system acquisition, and ethical issues. MS Office software will be used to demonstrate IT solutions for business situations.

**Prerequisite:** BADM 214

**MIS 320 (3-3-0) Database Management Systems:** This course covers information systems design and implementation within a database management system environment. Students will construct a physical system using database software to implement the logical design. Different available software will be discussed.

**Prerequisite:** MIS 300

**MIS 321 (3-3-0) Advanced Database Management:** This course will cover more advanced topics in database design concepts and provides additional instruction on multi-sharing databases. It completes the SQL and will introduce the Oracle.

**Prerequisite:** MIS 300 And MIS 320

**MIS 322 (3-3-0) Enterprise Resource Planning:** The concepts of integrated information systems and total systems are the main core of this course. Introduction of different software will be a part of this course.

**Prerequisite:** MIS 300

**MIS 323 (3-3-0) Data Warehousing and Data Mining:** In this course the concepts of database of databases i.e. the data warehouse will be presented. Different algorithms for data mining will be presented.

**Prerequisite:** MIS 300 And MIS 320

**MIS 330 (3-3-0) System Analysis and Design:** This course provides an understanding of the system analysis and development. It introduces different systems development methodologies and explains the SDLC (Systems Development Life Cycle) by leading students through detailed steps of Planning, Analysis, Design and Implementation. It provides the details for all activities for planning and analysis phase and prepares the students for the second course (MIS 331). Computer tools will be used in construction of the systems.

**Prerequisite:** MGMT 311 And MIS 320

**MIS 331 (3-3-0) Systems Development:** This course continues the materials on MIS 330 and concentrates on the last two phases of systems development life cycle i.e. design and implementation. Students will use

Visual Basic Application and Microsoft Macros to write codes to enhance the applications. Some concepts of Object Oriented Design will be introduced in this course. CASE Tools will be used to facilitate different tasks on Systems Development Life Cycle

**Prerequisite:** MIS 430 And CSC 102 And MIS 320 And MIS 330

**MIS 332 (3-3-0) Object-Oriented Programming and Design:** This course is about the object oriented technology and modular design of the systems and related programming issues.

**Prerequisite:** CSC 102 And MIS 300

**MIS 340 (3-3-0) Project Management:** The concepts of planning and control of projects and mainly the IT projects will be discussed. The control and optimization of time/costs will be discussed. Different models of project control under certainty and uncertainty will be presented.

**Prerequisite:** BADM 216 And MGMT 311 And BADM 214 And MIS 300

**MIS 410 (3-3-0) Supply Chain Management:** In supply chain, the suppliers connect to customers through a series of processes e.g. purchasing, production, storage, sales, transportation and distribution. Each of these business processes and business units interface with others by sending outputs and receiving inputs preferably over an electronic supply chain network. Modeling of these units and optimization of flows together with other issues such as human factors, cultural issues, security factors, automation and other related topics will be discussed.

**Prerequisite:** MIS 300 And BADM 216

**MIS 420 (3-3-0) Management Support Systems:** This course will focus on decision making processes under semi-structured situations. Different theories and practices related to decision theory will be covered using several teaching methodologies. Databases, user interfaces, knowledge bases, and modeling concepts will be discussed and students will learn several tools for aiding decision makers in various phases of decision making. Students will be introduced to business intelligence technologies that support business analytics and will learn how to implement data mining model(s) for prediction. Decision modeling software will be used to demonstrate model implementations

**Prerequisite:** MGMT 311 And MIS 320

**MIS 421 (3-0-3) Artificial Intelligence and Expert Systems:** The concepts of using machines to imitate human behavior and transferring human knowledge and know how of humans to machines are the main themes of this course. Different models, algorithms and software will be discussed.

**Prerequisite:** MIS 300 And BADM 216

**MIS 430 (3-3-0) Data Communication and Networking:** This course provides an understanding of data communications and networking, including networking and telecommunication technologies, hardware, and software. Special emphasis is placed on the analysis, design, and management of networking applications in organizations.

**Prerequisite:** MIS 300

**MIS 435 (3-3-0) Electronic Commerce:** This course introduces emerging online technologies and trends and their influence on the electronic commerce marketplace. Students will learn various revenue models and how to market on the Web, various legal and ethical issues, important security issues, and how to plan for electronic commerce. This course also introduces the current Web design concepts and techniques that will help students develop a real electronic commerce site.

**Prerequisite:** MIS 300

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**MIS 440 (3-3-0) New Topics In MIS:** Information technology is a very dynamic field that changes very quickly. The new concepts introduced in this area will be presented in this seminar course.

**Prerequisite:** MIS 300

**MIS 455 (3-3-0) Business Modeling and Simulation:** This is an elective course for MIS majors and for business majors who are interested in learning the process of modeling business situations and developing model applications using popular Excel add-ins such as: Solver optimization, Crystal ball for forecasting, RiskAmp Monte Carlo simulation, TreePlan for decision analysis, and @Risk for risk analysis. This course combines tangible applications in Finance, Marketing and Operations with a modeling philosophy of learning by doing

**Prerequisite:** MIS 300 And BADM 216 And MGMT 325 And MGMT 325

**MIS 498 (3-3-0) Information Systems Internship:** This course involves the application of quantitative and systems skills developed in the academic environment to problems in a real-world operating environment. The participant will receive practical training and experience under the guidance of the staff of a local business or government organization and a faculty supervisor. Available internships are filled on a competitive basis.

**Prerequisite:** MIS 300 And BADM 216

**MIS 499 (3-3-0) Management Information Systems Co-Op:** MIS Co-op offers students an opportunity to prepare for a career involving the application of information technology by combining academic theory and work experience. Three hours of academic credit are awarded for half-time paid work experience over a 15-week period. The cooperative education staff, the student, the MIS Co-op director, and the employer's co-op supervisor must agree on the employment terms and the learning experience to be gained in a written contract. The academic grade is assigned by the MIS Co-op director based on student reports and reports of the employer's co-op supervisor.

**Prerequisite:** MIS 300

**MKTG 311 (3-3-0) Principles of Marketing:** A study of the principles of marketing; current practices and structures of the market; analyses of marketing functions, institutions, costs, and marketing legislation.

**Prerequisite:** ACCT 211 And ECON 211 And ECON 212

**MKTG 322 (3-3-0) Advertising:** A study of the principles of advertising, advertising media, and special problems of small business concerns, including appropriations and planning related to the development of advertising and the economic significance of advertising to both the consumer and the advertiser.

**Prerequisite:** MKTG 311

**MKTG 330 (3-3-0) Retailing:** A survey of retailing and its role in distribution, focusing on problems of administrative organization, store location, layout, buying, pricing, merchandising, sales promotions, and current trends in retailing.

**Prerequisite:** MKTG 311

**MKTG 331 (3-3-0) Consumer Behavior:** A survey of the theories of consumer behavior, with contributions from the social sciences and their applications to the marketing discipline.

**Prerequisite:** MKTG 311

**MKTG 412 (3-3-0) Sales Management:** A study of the functions of a sales department within the marketing organization, including the recruiting, selecting, training, motivating, supervising, compensating, and evaluating sales personnel.

**Prerequisite:** MKTG 311

**MKTG 421 (3-3-0) International Marketing:** A survey of the structure, techniques, problems, and general environment of marketing abroad, including the organization, promotion, financing, legal aspects, and operations of the multinational corporation

**Prerequisite:** MKTG 311

**MKTG 460 (3-3-0) Marketing Research:** The application of scientific methods of obtaining information to structuring marketing policies and techniques, with emphasis on the role of research in the solution of marketing problems.

**Prerequisite:** BADM 216 And MKTG 311

**MKTG 470 (3-3-0) Marketing Management:** A study of the organization and coordination of the total marketing program, including marketing segmentation, the marketing mix, and the operating environment. Students analyze firm's marketing strategies, competitive strategies, and industry trends, and conduct an external situational analysis for the development of future oriented strategies and tactics to direct a company's marketing efforts.

**Prerequisite:** MKTG 331 And MKTG 460 And MKTG 311

**MKTG 490 (3-3-0) Seminar in Marketing:** A capstone course for seniors in marketing, with course content and activities centering on special topics that may include management or marketing activities, special research topics, or other marketing issues relevant to the business environment.

**MSCI 101 (1-1-0) Military Organizations:** Introduction of time management for students transitioning to college. An orientation to the U. S. Army concentrating on the historical development of ROTC and related customs, courtesies, and traditions of uniformed service. Laboratory periods concentrate on leadership development, physical training, and selected presentations. Fall.

**MSCI 102 (1-1-0) Basic Leadership and Management:** An introductory course in leadership and management using case and situational studies to emphasize individual and group needs, group dynamics, and the decision making process. Laboratory periods concentrate on leadership development, physical training, and selected presentations. Spring.

**MSCI 201 (3-3-0) Studies in Decision Making:** A study in progressive leadership concentrating on leadership models, personality, and perceptual process. Contemporary and historical leadership problems (case studies) are analyzed from a leader's perspective. Laboratory periods concentrate on leadership development, physical training, and selected presentations. Fall.

**MSCI 202 (3-3-0) Land Navigation and Tactics:** An introductory course in land navigation and rifle squad organization, capabilities, and tactics. Laboratory periods concentrate on leadership development, physical training, and selected presentations. Spring.

**MSCI 221 (3-3-0) Leader's Training Course:** An intensive practical application of leadership and military skills to satisfy basic course

**MSCI 301 (3-3-0) Unit Level Command Response:** A study in leadership from the perspective of the Second Lieutenant, concentrating on the coordination and execution of administrative and tactical command decisions. Laboratory periods concentrate on leadership development, physical training, and selected presentations. Fall.

**MSCI 302 (3-3-0) Terrain Analysis:** An integrated course of academics and military skills combining advanced land navigation with squad-level tactics. Laboratory periods concentrate on leadership development, physical training, and selected presentations. Spring

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**MSCI 321 (3-3-0) Applied Military Leadership:** An intensive practical application of leadership and military skills for Advanced Course students. Five-week summer program conducted at Fort Lewis, Washington for all Advanced Course cadets from colleges and universities throughout the United States. Summer.

**MSCI 401 (3-3-0) Basic Officer Course Prep:** Studies in military subjects which will prepare an individual for those duties and responsibilities of a newly commissioned officer. These subjects include Military Leadership, Small Unit Administration, Human Self-Development, Leadership Aspects of Contemporary Issues, Unit Readiness, Company Administration, Effective Written Communications, Awards and Decorations, and Fundamentals of Management. Fall.

**MSCI 402 (3-3-0) Advanced Leadership and Management:** Studies in Military Staff organization and procedures to include topics essential to newly commissioned officers. These subjects are: Customs and Traditions of the Service, Ethics and Professionalism, Written and Oral Communications, Personnel and Training Management, Military Justice, Law of War, International Law, U.S. Army Logistics, Maintenance Management, and Soviet Army Indoctrination. Students prepare and present military science instruction to military science classes. Spring.

**MSCI 421 (1-0-3) Physical Education and Training:** This course is designed to introduce the student to physical fitness and the regulatory components of the Army Physical Fitness Test (APFT). Information on various topics contributing to a fit lifestyle (such as nutrition and hydration, the benefits of aerobic and anaerobic exercise, running selection, etc.) will be interwoven throughout the course. The course will involve calisthenics, introduction to various sports, swimming, weight lifting, running, and road marching.

**Prerequisite:** MSCI 301 Or MSCI 302

**MSCI 422 (1-0-3) Physical Education and Training:** This course is designed to sustain the student's physical fitness in accordance with the regulatory components of the Army Physical Fitness Test (APFT). Information on various topics contributing to an above average fitness level (muscular strengthening and endurance, nutrition and hydration, the benefits of total body fitness, distance running/road marching techniques, etc.) will be interwoven throughout the course. The course will involve calisthenics, negotiation of obstacle courses advanced water survival, leadership/ confidence building exercises, preparation and execution of lesson plans, organization and execution of physical fitness training administration of APFT, and evaluation techniques.

**MSCI 423 (1-0-3) Physical Education II:** This course is designed to introduce the student to physical fitness and the regulatory components of the Army Physical Fitness Test (APFT). Information on various topics contributing to an above average fitness level (muscular strengthening and endurance, nutrition and hydration, benefits of total body fitness, distance running/road marching techniques, etc.) will be interwoven throughout the course. The course will involve calisthenics, negotiation of obstacle courses, advanced water survival, leadership/confidence building exercises, preparation and execution of lesson plans, organization and execution of physical fitness training, administration of APFT and evaluation techniques.

**MUSI 100 (1-1-0) Basic Musicianship:** A study of the rudiments of music, including basic rhythmic and pitch notation; major and minor scales; intervals; primary triads; and rhythmic drills; and sight singing and ear training activities. Also includes keyboard and computer applications of concepts studied.

**MUSI 102 (1-1-0) Class Piano I:** A course giving the non-piano major a basic understanding of keyboard harmony and technique, with the first year of instruction devoted to practicing the five-finger major hand positions, memorizing several short compositions, sight reading, and combining staccato and legato playing.



**MUSI 110 (1-1-0) Choir:** A course focusing on selections from all periods and styles of music, including pop, spiritual, and gospel music, with a study of vocal techniques, choral diction, and performance styles and practice. Includes choral performances at various University and community activities, with tours planned to many areas in North Carolina and other states. Open to all students who enjoy singing.

**MUSI 115 (1-1-0) Percussion Ensemble:** This course offers the student percussionist practical experience in the playing of percussion instruments in a chamber music setting. This course will explore traditional, contemporary, and world music for percussion ensemble. Open to all students following audition and permission of the instructor.

**MUSI 118 (3-3-0) Foundations of Music Tech I:** This course will enable students to develop facility with a range of music technology hardware; and software, and learn procedures for operating those elements. This course will feature uses of technology in K-12 music education settings. Various methods and software applications available for use in public schools as well as their relative merits will be investigated. Additionally, this course provides a foundation for students to develop their creative capacities. Course topics will include student-based performance (sequences, warm-ups, accompaniment, transposition, scoring), composition (sequencing, arranging, scoring), administrative functions (grading, communications, research, databases, financial management), logistics (lab set-up, funding), and resources. Students should have previous experience with Windows or Mac interfaces and familiarity with the internet.

**Prerequisite:** MUSI 100

**MUSI 120 (1-1-0) Brass Ensemble:** A course in the performance of small ensemble compositions written for various combinations of brass and wind instruments. Open to all students following audition and permission of instructor.

**MUSI 130 (1-1-0) Woodwind Ensemble:** A course in the performance of small ensemble compositions written for various combinations of woodwind instruments. Open to all students following audition and permission of instructor.

**MUSI 140 (1-1-0) Jazz Ensemble:** A major performing organization of the university, with practice including instruction in improvisation and arranging, and with a varied repertoire that includes music from jazz to fusion and popular styles. Open to all students following audition and permission of instructor.

**MUSI 150 (1-1-0) Opera Workshops:** Study and performance of scenes, acts, and/or operas from both the standard repertoire and operas of primarily historical interest. Open to all students. Audition and permission of instructor.

**MUSI 152 (3-3-0) Harmony, Sight Singing, and Ear Training I:** A study of the basic elements of harmony: primary and secondary triads in root position and all inversions; seventh chords; major, minor, and chromatic scales; introduction to part-writing procedures; rhythmic drills; and sight singing and ear training activities. Includes; keyboard and computer applications of concepts studied.

**Prerequisite:** MUSI 100

**MUSI 160 (1-1-0) String Ensemble:** A course in the performance of small ensemble compositions written for various combinations of string instruments. Open to all students following audition and permission of instructor.

**MUSI 167 (1-1-0) Applied Brass:** A sequence of courses focusing on diagnoses and recommendations for proper brass/wind playing habits, with emphasis on embouchure development, tonal studies, scales, and arpeggios. Minimum of five hours practice per week required. Freshman year sequence. Seminar/Student Recital required. May be repeated once for credit.

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**MUSI 169 (1-1-0) Applied Organ:** A sequenced study of organ manual and pedal techniques, with practice works including easy preludes and offertories, studies by Gelason, Nilsen, etc.; Bach Little Preludes and Fugues; hymn playing and service playing. Freshman year sequence.

**MUSI 171 (1-1-0) Applied Piano:** A first-year sequence of courses in piano devoted to acquiring a firm technical foundation through the use of various drills and exercises, with beginning repertoire including pieces on the level of the Clementi Sonatinas, Op. 36, the Notebook for Anna Magdalena Bach, and Bach's Two-part Inventions. Includes practice with major and minor scales played in contrary and parallel motion. Freshman year sequence. Seminar/Student Recital required. May be repeated once for credit

**MUSI 173 (1-1-0) Applied Percussion:** A sequence of courses for the percussionist focusing on basic technique, sound production, exercises and etudes with emphasis on indefinite pitch and related instruments, keyboard percussion, and timpani. Freshman year sequence. Seminar/Student Recital required. May be repeated once for credit.

**MUSI 175 (1-1-0) Applied Strings:** A sequence of courses featuring diagnoses and recommendations for proper string playing habits, with practice emphasis on bowing and fingering methods, positions, scales, arpeggios, tone, and vibrato. Freshman year sequence. Seminar/Student Recital required. May be repeated once for credit.

**MUSI 177 (1-1-0) Applied Voice:** A sequence of courses in voice focusing on the study of vowels and the fundamentals of tone production, correct breathing and posture, and the performance of early secular and sacred songs. Freshman year sequence. Seminar/Student Recital required. May be repeated once for credit.

**MUSI 178 (1-1-0) Applied Brass:** A sequence of courses focusing on diagnoses and recommendations for proper brass/wind playing habits, with emphasis on embouchure development, tonal studies, scales, and arpeggios. Minimum of five hours practice per week required. Freshman year sequence.

**MUSI 179 (1-1-0) Applied Woodwinds:** A sequence of courses focusing on diagnoses and recommendations for proper woodwind playing habits, with emphasis on embouchure development, tonal studies, scales, and arpeggios. Freshman year sequence. Seminar/Student Recital required. May be repeated once for credit.

**MUSI 180 (1-1-0) Applied Organs:** A sequenced study of organ manual and pedal techniques, with practice works including easy preludes and offertories, studies by Gelason, Nilsen, etc.; Bach Little Preludes and Fugues; hymn playing and service playing. Freshman year sequence.

**MUSI 182 (1-1-0) Applied Piano:** A first-year sequence of courses in piano devoted to acquiring a firm technical foundation through the use of various drills and exercises, with beginning repertoire including pieces on the level of Clementi Sonatinas, Op. 36; the Notebook for Anna Magdalena Bach; or the easier Bach Two-part Inventions; and major and minor scales in contrary and parallel motion. Freshman year sequence.

**MUSI 184 (1-1-0) Applied Percussion:** A sequence of courses for the percussionist focusing on basic technique, sound production, exercises and etudes with emphasis on indefinite pitch and related instruments, keyboard percussion, and timpani. Freshman year sequence.

**MUSI 186 (1-1-0) Applied Strings:** A sequence of courses featuring diagnoses and recommendations for proper string playing habits, with practice emphasis on bowing and fingering methods, positions, scales, arpeggios, tone, and vibrato. Freshman year sequence.

**MUSI 188 (1-1-0) Applied Voice:** A sequence of courses in voice focusing on the study of vowels and the fundamentals of tone production, on correct breathing and posture, and on the singing of vocalists and early secular and sacred songs. Freshman year sequence.

**MUSI 190 (1-1-0) Applied Woodwinds:** A sequence of courses focusing on diagnoses and recommendations for proper woodwind playing habits, with emphasis on embouchure development, tonal studies, scales, and arpeggios. Freshman year sequence.

**MUSI 191 (1-0-5) Marching Band:** A major performing organization of the university, playing in parades, at miscellaneous events, and at football games both at home and in other states. Open to all students following audition and permission of instructor.

**MUSI 192 (1-0-5) Concert Band:** A major performing organization of the university, playing varied styles and genres of music in concerts, both locally and in other cities. Open to all students following audition and permission of the instructor.

**MUSI 201 (1-1-0) Class Piano II:** A continuation of MUSI 102.

**Prerequisite:** MUSI 102

**MUSI 202 (1-1-0) Class Piano III:** A study of primary chords in all keys, the major and harmonic minor scales and major and minor arpeggios in two octaves; four-part chordal textures; and sight reading using chord symbols.

**Prerequisite:** MUSI 201

**MUSI 210 (3-3-0) Music Appreciation:** An introduction to the basic materials and ideas of music, stressing the relationship of music to society, culture, and philosophy; introducing musical instruments and the contributions of important composers; and studying characteristics of style and form in various types of music. Recital attendance required.

**MUSI 218 (3-3-0) Foundations of Music Technology II:** This course develops students proficiency in MIDI sequencing and in the use and integration of music notation, digital audio, and digital video software. Students will design multimedia projects, study electronic recording equipment, and construct music projects and interactive lessons appropriate for k-12 music instruction. Students will integrate digital multimedia files into presentations, music lessons, and class projects. This course will center on intermediate level competence in music technology. The recording studio, music instruction, and music notation are the global objectives for this course.

**Prerequisite:** MUSI 118

**MUSI 225 (3-3-0) A History of Jazz in the American Culture:** MUSI 225 A History of Jazz in the American Culture: Using both a socio-cultural and historical perspective, this course explores the major forms of African-American folk music indigenous to the United States. These forms of African American folk music (ragtime, blues, and gospel) contain elements of musical expressions rooted in the aesthetic make-up of jazz. Along with these forms of musical expressions, an element of critical thinking and analysis will necessitate the disposition and environment for the understanding of jazz music and its ingenious development.

**MUSI 241 (1-1-0) Class Strings:** A study of the basic concepts of playing and teaching the bowed string instruments, focusing on basic performance skills on each of the instruments (violin, viola, violoncello, and double bass), as well as on information about techniques for organizing, recruiting, and teaching string classes and orchestras in the public schools.

**Prerequisite:** MUSI 152

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**MUSI 242 (1-1-0) Class Woodwinds:** A practical introduction to the woodwind family, with emphasis on techniques for playing the flute, clarinet, oboe, bassoon, and saxophone, as well as on the characteristics and functions of each woodwind instrument and on the basic skills needed to offer instruction on woodwind instruments in the public schools.

**Prerequisite:** MUSI 152

**MUSI 251 (1-1-0) Class Voice I:** A course featuring group instruction in the fundamentals of singing, with emphasis on breath control, posture, and tone production, and with additional attention to developing a beginning vocal repertoire.

**MUSI 252 (1-1-0) Class Voice II:** A continuation of techniques started in MUSI 251, including new material such as basic diction, consonant and vowel production, and the extension of vocal and dynamic range through exercises and repertoire.

**Prerequisite:** MUSI 251

**MUSI 260 (3-3-0) African-American Music:** A study of traditional African music and its interaction with western musical styles, with emphasis on the development of the blues, spirituals, gospel music, jazz idioms, and more recent African-American styles, and with attention to the work of major black composers and performers in both the concert and commercial areas.

**MUSI 262 (1-1-0) Diction:** A study of the enunciation, pronunciation, and articulation of languages applicable to performances of vocal literature written in English, French, Italian, German, and Latin.

**MUSI 267 (1-1-0) Applied Brass:** A sequence of courses for the brass player focusing on the continuing development of playing habits, with an emphasis on embouchure development, technique development and solo literature. Sophomore year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 167 And MUSI 167

**MUSI 269 (1-1-0) Applied Organ:** A sequence of courses in organ technique and repertoire, including the Bach Little Preludes and Fugues, Orgelbuechlein; Brahms Choral Preludes; Vierne and Widor; hymns; and other standard works. Sophomore year sequence.

**Prerequisite:** MUSI 180 And MUSI 169

**MUSI 271 (1-1-0) Applied Piano:** A sequence of courses in piano technique and repertoire on the level of Beethoven's Sonatas Op. 49, Nos. 1, 2; Bach's Two and Three-part Inventions; Chopin's Mazurkas, and Waltzes; and Bartok's Mikrokosmos, Volumes III and IV. Included practice with major and minor scales played in contrary and parallel motion. Sophomore year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 171 And MUSI 171

**MUSI 273 (1-1-0) Applied Percussion:** A sequence of courses for the percussionist focusing on intermediate techniques, sound production, exercises, etudes, and solo literature with emphasis on indefinite pitch and related instruments, keyboard percussion, and timpani. Sophomore year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 173 And MUSI 173

**MUSI 275 (1-1-0) Applied Strings:** A sequence of courses in technical studies and the development of a recital repertoire for strings. Performance in student recitals and a minimum of ten hours practice per week required. Sophomore year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 175 And MUSI 175

**MUSI 277 (1-1-0) Applied Voice:** A continuation of studies in tone production and other principles of singing, with emphasis on various vocalists and on English, Italian, and French songs. Sophomore year sequence. Seminar/Student Recital required. May be repeated once for credit.

**MUSI 278 (1-1-0) Applied Brass:** A sequence of courses for the brass player focusing on the continuing development of playing habits, with an emphasis on embouchure development, technique development and solo literature. Sophomore year sequence.

**Prerequisite:** MUSI 178

**MUSI 279 (1-1-0) Applied Woodwinds:** A sequence of courses in technical studies and the development of a recital repertoire for woodwinds. Performance in student recitals and a minimum ten hours practice per week required. Sophomore year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 179 And MUSI 179

**MUSI 281 (3-3-0) Harmony, Sight Singing, and Ear Training II:** Further study of harmonic elements with emphasis on analysis of primary and secondary triads, seventh chords, and cadences in the content of compositions representing the major historical style periods. Introduction to small forms, nonharmonic tones and melody harmonization. Continuation of part-writing principles, sight singing, ear training, keyboard activities, and computer application of concepts studied.

**Prerequisite:** MUSI 152

**MUSI 282 (1-1-0) Applied Piano:** A sequence of courses in piano technique and repertoire on the level of Beethoven Sonatas Op. 49, Nos. 1, 2; Bach Two and Three-part Inventions; Chopin Mazurkas, and Waltzes; and Bartok Mikrokosmos, Volumes III and IV; major scales and minor scales in contrary and parallel motion. Sophomore year sequence.

**Prerequisite:** MUSI 182

**MUSI 284 (1-1-0) Applied Percussion:** A sequence of courses for the percussionist focusing on intermediate techniques, sound production, exercises, etudes, and solo literature with emphasis on indefinite pitch and related instruments, keyboard percussion, and timpani. Sophomore year sequence.

**Prerequisite:** MUSI 184

**MUSI 286 (1-1-0) Applied Strings:** A sequence of courses in technical studies and the development of a recital repertoire for strings. Performance in student recitals and a minimum of ten hours practice per week required. Sophomore year sequence.

**Prerequisite:** MUSI 186

**MUSI 288 (1-1-0) Applied Voice:** A continuation of studies in tone production and other principles of singing, with emphasis on various vocalists and on English, Italian, and French songs. Sophomore year sequence.

**Prerequisite:** MUSI 178

**MUSI 290 (1-1-0) Applied Woodwinds:** A sequence of courses in technical studies and the development of a recital repertoire for woodwinds. Performance in student recitals and a minimum ten hours practice per week required. Sophomore year sequence.

**MUSI 292 (3-3-0) Harmony, Sight Singing, and Ear Training III:** Further study of harmonic materials of previous theory courses, including nonharmonic tones, principles of harmonic progression, and part-writing procedures involving more complex harmonies. Introduction of secondary dominants, elementary modulation, and small forms such as phrases, periods, and phrase groups. Creative work, keyboard harmony, sight singing, ear training, analysis, and computer assignments will provide opportunities for application of

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theoretical concepts studied

**Prerequisite:** MUSI 281

**MUSI 341 (1-1-0) Class Brass:** A study of basic concepts, techniques, and information related to offering instruction on the brass instruments - trumpet, French horn, trombone, euphonium, tuba - in the public schools.

**Prerequisite:** MUSI 152

**MUSI 342 (1-1-0) Class Percussion:** A study of basic concepts, techniques, and information related to offering instruction in total percussion, including snare drum, keyboard percussion, timpani, accessory percussion, drum set, world percussion, and electronic percussion in the public schools.

**Prerequisite:** MUSI 152

**MUSI 351 (3-3-0) Music History I:** A survey of the development of music from antiquity through the seventeenth century.

**Prerequisite:** MUSI 152

**MUSI 352 (3-3-0) Music History II:** A survey of the development of music from the culmination of the Baroque era in the early eighteenth century to the present day, with emphasis on performance practices and on works of major composers of the late Baroque and Rococo periods; the Viennese Classical School; the Romantic, Post-Romantic, and Impressionist periods; and the twentieth century.

**Prerequisite:** MUSI 152

**MUSI 354 (2-2-0) Form And Analysis:** A study of standard musical forms and structures and the principles upon which they are organized. The course aims to sensitize students to the musical events, including cadences, changes in tonality, meter, texture, and timbre, etc. that indicate important points in a composition's design.

**Prerequisite:** MUSI 352 And MUSI 381

**MUSI 367 (1-1-0) Applied Brass:** A sequence of courses for the brass player focusing on the continuing development of playing habits, with an emphasis on embouchure development, technique development and recital repertoire. Junior year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 267 And MUSI 267

**MUSI 368 (1-1-0) Applied Brass:** A sequence of courses for the brass player focusing on the continuing development of playing habits, with an emphasis on embouchure development, technique development and recital repertoire. Junior year sequence.

**Prerequisite:** MUSI 278

**MUSI 369 (1-1-0) Applied Organ:** A sequence of advanced courses in organ literature, including works of Bach, Buxtehude, Handel, Mendelssohn, Franck, Widor, etc., and incorporating elements of church service playing, hymn playing, and anthem accompaniment, as well as orders of liturgical services and other special services. Performance from memory. Junior year sequence.

**Prerequisite:** MUSI 280 And MUSI 269

**MUSI 371 (1-1-0) Applied Piano:** A continuation of technical piano studies, focusing on compositional form and performance style in works from the various historical periods, including the Bach's Preludes and Fugues from the Well-Tempered Clavier; Haydn's Sonatas; Chopin's Nocturnes; Brahms' Intermezzos; and Bartok's Mikrokosmos, Vol. V, or Sonatina. Junior year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 271 And MUSI 271

**MUSI 373 (1-1-0) Applied Percussion:** A sequence of courses in technical studies and recital repertoire development for percussion instruments, especially the marimba and the tympani. Performance in student recitals and a minimum of ten hours practice per week required. Junior year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 273 And MUSI 273

**MUSI 375 (1-1-0) Applied Strings:** A sequence of courses in technical studies and recital repertoire development for strings. Performance in student recitals and a minimum of ten hours practice per week required. Junior year sequence Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 275 And MUSI 275

**MUSI 377 (1-1-0) Applied Voice:** A comprehensive study of English, Italian, French, and German songs. This course is intended to help students build a repertoire for the senior recital. Junior year sequence.

**MUSI 379 (1-1-0) Applied Woodwinds:** A sequence of courses in technical studies and recital repertoire development for woodwinds. Performance in student recitals and a minimum of ten hours practice per week required. Junior year sequence. Seminar/Student Recital required. May be repeated once for credit.

**MUSI 380 (1-1-0) Applied Brass:** A sequence of advanced courses in organ literature, including works of Bach, Buxtehude, Handel, Mendelssohn, Franck, Widor, etc., and incorporating elements of church service playing, hymn playing, and anthem accompaniment, as well as orders of liturgical services and other special services. Performance from memory. Junior year sequence.

**MUSI 381 (3-3-0) Harmony, Sight Singing, and Ear Training IV:** A study in advanced harmonic materials, including diminished seventh, Neapolitan sixth, borrowed, and augmented sixth chords, as well as ninth, eleventh, and thirteenth chords. Introduction to binary, ternary, and composite forms; continuation of part-writing activities, harmonic analysis, sight singing and ear training exercises, keyboard harmony, and computer assignments. Introduction to twentieth-century harmonic practices such as whole tone scales, atonality, serialism, etc.

**Prerequisite:** MUSI 292

**MUSI 382 (1-1-0) Applied Piano:** A continuation of technical piano studies, focusing on compositional form and performance style in works from the various historical periods, including the Bach Preludes and Fugues from the Well-Tempered Clavier, Haydn Sonatas, Chopin Nocturnes, Brahms Intermezzos, and Bartok Mikrokosmos, Vol. V, or Bartok Sonatina. Junior year sequence.

**Prerequisite:** MUSI 282

**MUSI 384 (1-1-0) Applied Percussion:** A sequence of courses in technical studies and recital repertoire development for percussion instruments, especially the marimba and the tympani. Performance in student recitals and a minimum of ten hours practice per week required. Junior year sequence.

**Prerequisite:** MUSI 284

**MUSI 386 (1-1-0) Applied Strings:** A sequence of courses in technical studies and recital repertoire development for strings. Performance in student recitals and a minimum of ten hours practice per week required. Junior year sequence.

**Prerequisite:** MUSI 286 And MUSI 275

**MUSI 388 (1-1-0) Applied Voice:** A comprehensive study of English, Italian, French, and German songs, to build a repertoire for the senior recital. Junior year sequence.

**Prerequisite:** MUSI 288

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**MUSI 390 (1-1-0) Applied Woodwinds:** A sequence of courses in technical studies and recital repertoire development for woodwinds. Performance in student recitals and a minimum of ten hours practice per week required. Junior year sequence.

**Prerequisite:** MUSI 290

**MUSI 391 (2-2-0) Conducting (Elementary):** The development of manual techniques, score studies, and listening skills related to the conducting of instrumental and vocal ensembles.

**Prerequisite:** MUSI 152

**MUSI 394 (1-1-0) Choral Conducting:** A course developing the oral, visual, and aural skills necessary to conduct vocal ensembles, including mixed choirs, female choirs, and male choirs, as well as the skills and proficiency to read scores of compositions such as madrigals, motets, anthems, oratorios, and cantatas.

**Prerequisite:** MUSI 281

**MUSI 396 (1-1-0) Instrumental Conducting:** A course developing the aural, visual, and oral skills necessary to conduct instrumental ensembles, including marching bands, concert bands, and jazz ensembles, and to increase proficiency in score reading.

**Prerequisite:** MUSI 281

**MUSI 420 (1-1-0) Choral Literature:** A study of choral literature from 1450 through the twentieth century, including such activities as listening to and analyzing works.

**Prerequisite:** MUSI 381

**MUSI 430 (1-1-0) Keyboard Literature:** A survey of music written for solo stringed keyboard instruments from the early Renaissance to the early decades of the twentieth century. Major works of the master composers will be studied and heard, and students will become familiar with the important keyboard genres, which comprise these composers' work.

**Prerequisite:** MUSI 381

**MUSI 431 (2-2-0) Orchestration:** A study of methods and techniques for arranging compositions for band and orchestral ensembles, with special attention to transposition techniques and to basic compositional principles.

**Prerequisite:** MUSI 381

**MUSI 440 (1-1-0) Woodwind Literature:** A study in the listening, analysis, and evaluation of woodwind solo and ensemble music, in the evaluation of materials for technique development, and in the evaluation and selection of musical scores for band and symphonic performances.

**MUSI 441 (3-3-0) Methods and Materials (Elementary):** A study of curriculum, materials, and procedures for music instruction in elementary and intermediate grades.

**Prerequisite:** MUSI 381

**MUSI 462 (2-2-0) Music Composition:** A study in musical composition that includes writing pieces in basic binary and ternary song forms, variations, and sonata-allegro and rondo forms, with emphasis on integrating materials learned in harmony, counterpoint, and orchestration.

**Prerequisite:** MUSI 381

**MUSI 467 (1-1-0) Applied Brass:** Senior recital preparation, with emphasis on the development of advanced techniques for brass performance. Senior recital repertoire approval by instructor and music faculty committee required in second semester course. Senior year sequence. Senior recital preparation, with emphasis on the development of advanced techniques for brass performance. Seminar/Student Recital



required. May be repeated once for credit. Senior year sequence.

**Prerequisite:** MUSI 367 And MUSI 367

**MUSI 469 (1-1-0) Applied Organ:** Continued study and practice of repertoire works, with emphasis on larger and more difficult compositions from the general literature and on the satisfactory public performance of a memorized composition in larger form. Senior year sequence.

**Prerequisite:** MUSI 380 And MUSI 369

**MUSI 471 (1-1-0) Applied Piano:** A sequence of courses in piano study to develop and refine performance techniques and to begin preparations and repertoire practice for the senior recital, with selections chosen from such works as Bach's Well-Tempered Clavier (selections); Bach's French Suites; Mozart or Beethoven's Sonatas; Chopin's Preludes or Nocturnes; Bartok's Mikrokosmos, Vol. VI, Allegro Barbara or Suite, Op. 14; or other works. Senior year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 371 And MUSI 371

**MUSI 473 (1-1-0) Applied Percussion:** A sequence of courses for the percussionist focusing on senior recital preparation with emphasis on the development of advanced techniques for percussion. Senior year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 373 And MUSI 373

**MUSI 475 (1-1-0) Applied Strings:** Senior recital preparation, with emphasis on the development of advanced techniques for strings. Senior recital repertoire approval by instructor required in second semester. Senior year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 375 And MUSI 375

**MUSI 477 (1-1-0) Applied Voice:** In-depth studies of vocal techniques and the literature from Baroque to Contemporary periods, with emphasis on preparations for the senior recital. Senior year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 377 And MUSI 377

**MUSI 478 (1-1-0) Applied Brass:**

**Prerequisite:** MUSI 378

**MUSI 479 (1-1-0) Applied Woodwinds:** Senior recital preparation, with emphasis on the development of advanced techniques for woodwinds. Senior recital repertoire approval by instructor required in second semester. Senior year sequence. Seminar/Student Recital required. May be repeated once for credit.

**Prerequisite:** MUSI 379 And MUSI 379

**MUSI 482 (1-1-0) Applied Piano:** A sequence of courses in piano study to develop and refine performance techniques and to begin preparations and repertoire practice for the senior recital, with selections chosen from such works as the Bach Well-Tempered Clavier (selections), the Bach French Suites, Mozart or Beethoven Sonatas, Chopin Preludes or Nocturnes, Bartok Mikrokosmos, Vol. VI, Allegro Barbara or Suite, Op. 14, or other works. Senior year sequence.

**Prerequisite:** MUSI 382

**MUSI 484 (1-1-0) Applied Percussion:** A sequence of courses for the percussionist focusing on senior recital preparation with emphasis on the development of advanced techniques for percussion. Senior year sequence.

**Prerequisite:** MUSI 384

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**MUSI 486 (1-1-0) Applied Strings:** Senior recital preparation, with emphasis on the development of advanced techniques for strings. Senior recital repertoire approval by instructor required in second semester. Senior year sequence.

**Prerequisite:** MUSI 386

**MUSI 488 (1-1-0) Applied Voice:** In-depth studies of vocal techniques and the literature from Baroque to Contemporary periods, with emphasis on preparations for the senior recital. Senior year sequence.

**Prerequisite:** MUSI 388

**MUSI 490 (1-1-0) Applied Woodwinds:**

**Prerequisite:** MUSI 390

**MUSI 491 (2-2-0) Vocal Literature:** A survey of vocal music from the Renaissance to the 20th century, including listening, singing, and analyzing music.

**Prerequisite:** MUSI 381

**MUSI 499 (1-0-1) Senior Recital:** A performance program of at least thirty minutes, consisting of works representing various styles and periods.

**Prerequisite:** MUSI 351 And MUSI 352 And MUSI 381 And MUSI 400-level of applied courses (instrumental, keyboard, or voice)

**NSCI 110 (4-3-2) Comprehensive Physical Science:** The course is designed to present major basic concepts of physics and chemistry with particular emphasis on relevant applications to day to day activities. Lab experiments and class activities will help in developing critical thinking and analytical skills.

**Prerequisite:** MATH 123 (may be taken concurrently)

**NSCI 120 (4-3-2) Modern Biology:** An introductory course covering basic biological concepts that provides the student with a comprehensive survey of biological sciences. Some important areas which will be investigated are: cell structure and reproduction, energy relationships at the cellular level, genetics, DNA, evolution, ecology, bacteria, protists, fungi, plants, and animal organ systems.

**Prerequisite:** NSCI 110

**NURS 210 (2-2-0) Professional Nursing:** An introductory nursing course that covers the history of nursing, theoretical foundations of nursing, the roles of the professional nurse, professional behaviors, and an introduction to the nursing process and critical thinking.

**NURS 220 (1-0-2) Therapeutic Communication for Diverse Cultures:** This course explores the importance of verbal and non-verbal communication in establishing the nurse-client relationship. The student will explore communication theories, types of communication, factors affecting communications patterns, therapeutic communication techniques used for assessment and information sharing, and documentation systems.

**NURS 230 (2-2-0) Economics of Health Care:** A course designed to explore health and wellness and the health care delivery system. The student will be introduced to the types of health-care services, healthcare settings, and the economics of health care payment and cost containment to include private insurance, managed care, federal (government) insurance plans, and challenges within the health-care system.

**NURS 300 (3-3-0) Transition to Professional Nursing:** This course focuses on the role of the professional nurse. An overview of the delivery of professional nursing practice and role transition. Advanced theoretical concepts will be examined using the nursing process as a framework.

**NURS 310 (3-3-0) Transcultural Nursing:** This course is designed to assist the nurse to expand his/her view of man. Man is defined as functioning, whole unit with integrity and uniqueness who uses symbols to communicate with the environment. Emphasis will be placed on the concepts of culture, belief systems, health and caring, and how these concepts affect the nursing care delivery system.

**Prerequisite:** NURS 300 (may be taken concurrently)

**NURS 320 (3-2-1) Health Assessment Across the Life Span:** This course prepares the student to conduct comprehensive health assessments. Emphasis is placed on the acquisition, processing and interpretation of data collected from clients of all ages. A physical, psychological, socio-cultural, and spiritual approach is used to assess the client and to incorporate consideration of the client's needs, state of wellness, developmental level, and response to life experiences. The campus laboratory experience consists of practice with clients.

**NURS 325 (3-3-0) Pathophysiology:** This course prepares the student to approach complex situations systematically. Emphasis will be placed on the integration and application of pathophysiological concepts to the holistic human in time of physical stress. This course utilizes the nursing process as the basis for examining persons with pathologies requiring multiple dimensions of nursing care.

**NURS 326 (4-2-2) Concepts Basic to Nursing:** Introductory clinical course designed to introduce the student to conceptual threads and skills fundamental to the practice of nursing.

**NURS 330 (3-3-0) Gerontological Nursing:** This course examines the process of aging. Physical, psychological, sociocultural, and spiritual aspects of aging are examined within the context of the family and society. Advanced theoretical concepts of aging will be examined using the nursing process.

**Prerequisite:** NURS 326

**NURS 350 (9-3-6) Caring for Populations in Acute and Long Term Care Settings:** Introductory care of adult and pediatric clients in acute and long-term nursing-care settings.

**Prerequisite:** (NURS 320 And NURS 326) And (NURS 325 (may be taken concurrently) And NURS 365 (may be taken concurrently) )

**NURS 360 (7-3-4) Caring for Populations in the Acute Care Setting: Advanced:** Advanced conceptual based care for adult and pediatric clients in acute-care settings including those with critical-care needs.

**Prerequisite:** NURS 320 And NURS 326 And NURS 350

**NURS 361 (5-3-2) Caring for Populations in the Acute Care Settings: Maternal and Women's Health:**

The unique needs of reproducing families will be explored. Building on the foundation of previous nursing courses, and the nursing process, the students will design nursing care for the preconceptional, perinatal, postpartal and neonatal periods. Task of pregnancy, psychosocial adaptations, and cultural aspect of reproducing families will be addressed.

**NURS 365 (3-3-0) Pharmacological Dimensions of Health Care:** Survey of pharmacology and pharmacotherapy in health care. The student will explore pharmacology and pharmacokinetics of different classes of drugs, legal responsibilities, and safe drug administration. Must be taken with the first Acute Care Nursing Course enrolled in by the student.

**Prerequisite:** NURS 320 And NURS 326

**NURS 370 (2-2-0) Spirituality in Health Care:** Spirituality is presented as a concept related to culture and belief systems. Inclusive will be an exploration of the effects of spirituality, religion, hope, and ethics on health care and health-care outcomes. This course will be co-instructed by divinity and nursing faculty.

Course open to non-nursing majors.

**Prerequisite:** NURS 326

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**NURS 380 (3-3-0) Loss and Grief:** This course will explore loss and its effect on the individual, family, and society. Through the exploration of theoretical concepts, the student will examine how people adapt and the productivity effects on the individual, family, and society. Course open to non-nursing majors.

**Prerequisite:** NURS 326

**NURS 390 (1-1-0) Seminar:** Designed to allow students an opportunity to explore ethical issues, explore trends in the health-care setting and to review nursing content presented in the curriculum.

**NURS 400 (3-3-0) Nursing Research and Theory:** This course focuses on the cognitive and professional skills of nursing research and theory. The cognitive skills emphasized include critical thinking, problem solving, research critique, and theory utilization in professional nursing practice. The professional skills include valuing research as a basis for professional nursing practice.

**NURS 405 (5-3-2) Caring for Populations with Unique Needs: Mental Health Needs:** The unique needs of those with mental-health needs will be explored. Building on the foundation of previous nursing courses and the nursing process, the student will design nursing care for clients who present with stressors across the life span. Tasks of psychosocial adaptations, biological-behavioral concepts in psychiatric nursing care, and cultural impact will be addressed.

**Prerequisite:** NURS 390

**NURS 406 (5-2-3) Caring for Populations in the Community:** This course focuses on the design and implementation of nursing assistance for families, groups and communities, specifically high-risk populations throughout the life cycle. Students will use selected conceptual models in assessing, planning, implementing and evaluating nursing care and analyzing the management of care delivery by others in a variety of community settings.

**Prerequisite:** NURS 405 And NURS 400

**NURS 411 (3-3-0) Nursing Leadership Perspectives and Trends in Contemporary Nursing Practice:** This course is designed to analyze the role of the professional nurse as a leader in the profession and health care delivery. The course will focus on nursing leaders as vanguards of the profession and the role of the nurse leader in health care delivery. Advanced theoretical concepts will be examined using the nursing process as a framework.

**Prerequisite:** NURS 400 Or NURS 400 (may be taken concurrently)

**NURS 421 (3-3-0) Nursing and Women's Health:** This course is designed to focus on the current health care challenges and issues of women's health and implications for professional nursing practice. Women's roles in a complex society will be examined to facilitate increased self awareness as consumers and providers in the health care delivery system.

**Prerequisite:** NURS 405

**NURS 430 (5-2-3) Contemporary Supportive Nursing: Individual, Group, Family, and Community Systems:** Individual, Group, Family, and Community Systems: This course is designed to provide the opportunity for the student to assist culturally diverse populations and aggregates within the community to achieve an optimal level of wellness. Special emphasis will be placed on advanced theoretical concepts related to health promotion, risk reduction, disease prevention, and developmental processes. The process of professional role development will be fostered through both independent and interdependent clinical experiences.

**Prerequisite:** NURS 300 And NURS 310 And NURS 320 And NURS 400 Or NURS 400 (may be taken concurrently)

**NURS 450 (3-3-0) Professional Nursing Issues in Practice:** A Capstone: This course is the capstone experience that includes synthesis of nursing cognates and general education. The experience allows students to assess their knowledge of the program objectives. The course will incorporate essential knowledge, psychomotor, and affective domains of BSN education.

**NURS 451 (4-0-4) Caring for Populations in Acute and Long Term Care Settings: Adult Health II:** This course is designed to provide students with the opportunity to integrate clinical and theoretical learning from previous nursing courses. Through guided clinical experiences, the student will choose patients to critically analyze through the use of the Nursing Process.

**NURS 480 (3-0-3) Senior Practicum:** This course is designed to provide students with the opportunity to integrate clinical and theoretical learning from previous Nursing courses. Through guided clinical experiences, the student will choose one patient to critically analyze through the use of the Nursing process. Through a preceptorship/role-transition experience, the student will facilitate the transition from student nurse to the role of the professional Nurse.

**NURS 481 (3-0-3) Senior Practicum:** This is the Senior Practicum course for Generic nursing students. This course is designed to provide students with the opportunity to integrate clinical and theoretical learning from previous Nursing courses. Through guided clinical experiences, the student will choose one patient to critically analyze through the use of the Nursing process. Through a preceptorship/role-transition experience, the student will facilitate the transition from student nurse to the role of the professional nurse.

**PEDU 0 (0-2-0) Swimming:** An introduction to the fundamentals of swimming designed for students scoring below the minimum on the swimming classification test to assist them in developing the

**PEDU 100 (1-1-0) Individual Phys Educ Act:** Special activities designed for students with physical disabilities or verified health problems that prevent their participation in vigorous physical education.

**PEDU 101 (1-2-0) Swimming (Coed):** An introductory course in the fundamentals of swimming, with instruction provided at the beginning swimmers level of the Red Cross Program.

**PEDU 102 (1-2-0) Dance:** A course for beginning dancers, emphasizing movement as a medium of expression in the development of dance technique, locomotor skills, and creativity.

**PEDU 103 (1-2-0) Jogging:** This activity course is designed to improve student understanding of the component parts of fitness (muscular strength and endurance, cardiovascular endurance, flexibility and body composition) and their relationship to his/her individual needs.

**PEDU 106 (1-2-0) Beginning Soccer:** This course is designed to teach students the fundamental skills and strategies of soccer. The students will understand and become familiar with the rules and regulations, consequently enhancing self-confidence and satisfaction in teaching and participating in soccer.

**PEDU 107 (1-2-0) Weight Training:** This course is designed to familiarize students with weight training and body conditioning. Emphasis will be placed on proper lifting techniques, weight training for conditioning, body building, and power lifting.

**PEDU 110 (1-2-0) Softball:** The study and practice of the fundamentals of softball, including rules, playing strategies, team offense and defense, and techniques of base running, catching, throwing, and batting.

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**PEDU 111 (1-2-0) Stunts, Tumbling and Trampoline:** The study and practice of fundamentals for performing beginning stunts and tumbling exercises safely and skillfully.

**PEDU 112 (1-2-0) Golf:** The study and practice of beginning golf, with emphasis on terminology, rules, customary courtesies, and appropriate use of the following clubs: mid-irons, short-irons, putter, and woods.

**PEDU 120 (1-2-0) Tennis and Badminton:** The study and practice of fundamentals involved in singles and doubles play in tennis and badminton, including rules, techniques, and skills.

**PEDU 121 (1-2-0) Archery and Table-Tennis:** A practical study of the historical development, rules, techniques, and basic skills of archery and table tennis.

**PEDU 122 (1-2-0) Volleyball:** A practical study of the fundamentals of volleyball, including the historical development of the game and the rules and techniques of serving, setting, volleying, and scoring basic to playing the game.

**PEDU 130 (1-2-0) Basketball:** A practical study of the fundamentals of basketball, including the rules and historical development of the game, techniques of passing, dribbling, shooting, and conditioning, playing strategies, and team offense and defense.

**PEDU 131 (3-3-0) Theory of Physical Education:** A study of the philosophical, historical, biological, sociological, and psychological foundations of physical education.

**PEDU 132 (1-2-0) Bowling:** A practical study of the rules, performance skills, and techniques for beginning bowling.

**PEDU 140 (1-2-0) Conditioning Exercise:** A practical study of conditioning exercises, individual and group, for improving health and fitness, posture, and appearance.

**PEDU 141 (1-2-0) Racquetball:** This course introduces the beginner to the basic skills of racquetball, including scoreboard and backhand drives, grips, footwork, and serves. Safety consideration's as well as rules and terminology covered. Basic strategy is presented involving the return of service, use of ceiling and rear wall, and passing and kill shots. The course prepares the beginner for play in singles, doubles and cutthroat.

**PEDU 200 (1-2-0) Swimming I:** A course for physical education majors who already swim, emphasizing the following skills: a fully-coordinated crawl stroke, back stroke, open turn, treading water, surface turns, underwater swimming, back float, and standing front dive. (For physical education majors).

**PEDU 201 (1-2-0) Swimming II:** A course in swimming emphasizing the following swimming strokes and skills: breast stroke, inverted breast stroke, trudgen crawl, side stroke, American crawl, butterfly, and fundamental diving skills.

**PEDU 202 (2-2-0) Individual and Dual Sports:** A practical study of methods and materials for teaching tennis, badminton, golf, camping, and track and field, with emphasis on developing materials and adapting strategies to the level of the learner.

**PEDU 204 (2-2-0) Methods and Materials in Individual and Dual Sports:** A practical introduction to the individual and dual sports of archery, badminton, golf, tennis, and camping, with emphasis on the knowledge base of each sport, the methods and techniques of teaching each, playing strategies, mechanical analyses, and skill development.

**PEDU 210 (2-2-0) Team Sports I: Soccer and Volleyball:** Soccer and Volleyball: A course to assist physical education majors in their development of soccer and volleyball techniques, with additional emphasis on developing teaching materials and strategies appropriate to various age levels.

**PEDU 212 (1-1-0) Gymnastics and Stunts:** A course in the development of physical coordination, strength, and related teaching techniques through practice sessions on the trampoline, parallel bars, side horse, and mats.

**PEDU 214 (2-3-0) Team Sports II:** A course in team sports, focusing on the development of sport skills in track and field, basketball, volleyball, soccer, and softball, and on the learning of techniques for the acquisition and retention of neuromuscular skills.

**PEDU 290 (2-3-0) Modern Dance:** A course focusing on the development of kinetic awareness in sequences and movements, with emphasis on a practical knowledge of locomotor and non-locomotor movements related to modern dance basic to enhancing dance techniques, locomotor skills, and creativity.

**PEDU 300 (1-2-0) Practicum in Phy Education:** A practical course in physical education incorporating supervised experience in the development of teaching skills and leadership abilities appropriate to classroom settings, with emphasis on arranging equipment, organizing groups for skills practice, measuring and marking play areas, and selecting and administering skills tests.

**PEDU 302 (2-2-0) Motor Learning:** A study of the physiological and psychological variables associated with motor performance and skill acquisition and retention, with special attention to theories and principles of psychomotor skills learning, research studies and relevant issues related to motor learning, and the role of physical movement in the acquisition of knowledge and skills in non-motor subject matter areas.

**PEDU 310 (2-2-0) Rhythms:** A practical study of the rhythmic structures of dance movements and their relation to the promotion of motor skill development in rhythm.

**PEDU 311 (3-3-0) History and Principles:** An introduction to the philosophical, historical, biological, sociological, and psychological foundations of physical education and sports, sports curriculum development, and motor learning theories.

**PEDU 320 (3-3-0) Methods and Materials of Teaching Health Education and Physical Education:** An introduction to methods and materials basic to elementary school health and physical education programs.

**PEDU 321 (3-3-0) Early Childhood Physical Education K-6:** An in-depth experience in the teaching of physical education activities to preschool and primary children.

**PEDU 322 (3-3-0) Physical Education in Middle Grades 6-9:** An introduction to methods and materials basic to developing programs and teaching physical education activities appropriate to children in the Middle Grades.

**PEDU 331 (3-3-0) Kinesiology:** A study of the musculature and bone structure of the human body and their relationship to physical movement, joint mechanisms, leverage, and muscle actions.

**Prerequisite:** ZOOL 210

**PEDU 341 (3-2-0) Basketball Theory:** An exploration of theories of basketball, with additional emphasis on organization and supervision of programs, motivation, evaluation, ethics, philosophy, planning, drills, and offensive and defensive skills.

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**PEDU 342 (3-3-0) Track Theory:** An introduction to the theories and practices of teaching and coaching specific track events, with emphasis on research and performance techniques, track and field meet administration, and rules of the sport.

**PEDU 351 (3-2-0) Football Theory:** An exploration of theories of football, with additional emphasis on organization and supervision of programs, motivation, evaluation, ethics, philosophy, planning, drills, and offensive and defensive skills.

**PEDU 360 (3-3-0) Theory and Practice in Elementary Physical Education:** A practical study of the place of physical activities in the total development of elementary age students (K-6), with emphasis on methods and materials for incorporating in the curriculum such activities as movement education, rhythms, mimetics, relays, combatives, selftesting, games of low organization, and singing games.

**PEDU 361 (2-2-0) Sport Officiating:** A study of the rules and mechanics for officiating at various seasonal sports, with practical experience in officiating at university intramural programs and in observing and evaluating officials in regularly scheduled contests.

**PEDU 362 (3-3-0) Lifesaving and Water Instruction:** A course to provide students with the knowledge and skills to save their own lives or the life of another in the event of an emergency. Major emphasis will be placed on personal safety, self rescue, rescue training skills, and back injury problems. Instruction and participation in swimming for the development of advanced skills and techniques will include methods and materials for teaching all levels of swimming.

**Prerequisite:** PEDU 201

**PEDU 411 (3-3-0) Organization and Administration of Health and Physical Education:** A study of the organization and administration of programs in health and physical education, including such topics as philosophy, program planning, course evaluation, staffing, facilities and equipment management, athletic activities, budgeting and finance, and public relations.

**PEDU 421 (3-3-0) Measurement and Evaluation:** A study of measurement and evaluation in health and physical education, including the selection and administration of appropriate tests and the use of fundamental statistical procedures to calculate and interpret results.

**PEDU 431 (3-3-0) Adapted Physical Education:** Lecture and practicum course covering the introductory techniques for conducting a physical education program to meet the needs of the disabled. Experience will include the evaluation of physical, motor, and postural fitness levels and the design, implementation, and evaluation of a diversified program of activities, games, and sports. Each student is required to spend a minimum of 25 hours of laboratory experience in schools, agencies, and/or institutions.

**PEDU 442 (3-3-0) Modern Dance Theory:** A course incorporating the analysis and practice of skills, the exercise of creative processes, and the acquisition of knowledge involved in modern dance.

**PEDU 452 (3-3-0) The Intramural Sports Program:** A practical study of the organization and administration of public and collegiate sports programs.

**PEDU 460 (3-3-0) Methods and Materials in Physical Education K-12:** A course for physical education majors emphasizing the importance of physical activity in the total development of the elementary and secondary student, with attention to the methods and materials, objectives and characteristics of activities appropriate to students in grades K-12, and to techniques for evaluating movement, locomotor, and non-locomotor skills.



**PEDU 462 (3-3-0) Physiology of Exercise:** A study of the physiological effects of exercise on the various body systems, with emphasis on the musculoskeletal, cardiovascular, and respiratory systems, and on laboratory techniques for monitoring physiological parameters.

**Prerequisite:** PEDU 331

**PEDU 463 (3-3-0) Athletic Injuries:** A practical study of the principles and applications basic to the prevention, treatment, and rehabilitation of athletic injuries.

**PEDU 471 (3-33-0) Research Methodology:** A critical analysis and investigation of the current research methods applicable to health and physical education and the changing academic climate.

**PEDU 472 (3-3-0) Sports in Contemporary American Society:** An interdisciplinary course introducing the social, economic, ethical, moral, and recreational aspects of sports in contemporary society, with special examination of such topics as aggression in sports, the roles of blacks and women in sports, exploitation in sports, and the entertainment value of sports.

**PEDU 482 (3-3-0) Psychology of Coaching:** A practical study of problems specifically related to coaching, such as recruiting, acquiring a thorough grounding in game rules and playing techniques, organizing practices, and side-line coaching.

**PEDU 483 (3-3-0) Supervision of Health and Physical Education:** An analysis of current supervisory practices relative to physical education programs in city, county, and state school systems, with emphasis on program planning, fiscal management, and laws pertaining to the conduct of health and physical education programs.

**PEDU 492 (3-3-0) Wrestling:** A course focusing on the basic skills, tactics, strategies, rules and regulations involved in wrestling.

**PHIL 110 (3-3-0) Critical Thinking:** An introduction to the basic elements of argumentation, focusing on the analysis, evaluation, and development of claims and arguments in the sciences, the humanities, the social sciences, the applied sciences, and everyday life experiences.

**PHIL 210 (3-3-0) Introduction to Philosophy:** An analytical study of ancient and modern philosophical problems in metaphysics, the philosophy of religion, epistemology, ethics, and political philosophy, with emphasis on encouraging critical approaches to theoretical and practical issues.

**Prerequisite:** PHIL 110 Or PHIL 110

**PHIL 211 (3-3-0) Introduction to World Religion:** An examination of the religions of the world, including the nature of religious beliefs, spiritual beings and powers, myths, rituals, ethics, religious claims and arguments, and the impact of religions on culture, politics, society, and the daily lives of believers. Traditional African religions, Islam, Hinduism, Buddhism, Christianity, religions of Meso America, religions of Native Americans, Confucianism, Taoism, Shintoism, Judaism, and Sikhism will be addressed.

**PHIL 212 (3-3-0) African-American Philosophy:** This course is a critical examination of the following concepts and issues pertaining to the African-American experience in historical and contemporary periods: oppression, resistance, justice, liberation, separatism, integration, affirmative action, identity, self-respect, race, class, gender, the universality of Western Philosophy, and cultural features of philosophy. These concepts and issues will be addressed through an analysis of writings by major figures such as: Sojourner Truth, Frederick Douglass, W.E.B. DuBois, Alain Locke, Martin Luther King, Jr., Malcolm X, William Jones, Cornel West, Angela Davis, Leonard Harris, Lucius Outlaw, and Bernard Boxill.

**Prerequisite:** PHIL 110

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**PHIL 220 (3-3-0) Introduction to Logic:** An introduction to techniques of correct reasoning in informal contexts, to Aristotelian and mathematical logic, and to practical applications of logic, for example, in addressing contemporary issues and in completing logic sections of national examinations such as the GRE, GMAT, LSAT, NTE, MCAT, etc.

**Prerequisite:** PHIL 110

**PHIL 230 (3-3-0) Political and Social Philosophy:** An introduction to traditional and contemporary social-political thought and its relationship to practice, with emphasis on the interdependence of economic and sociopolitical issues and on the African viewpoint and its relationship to other world views.

**Prerequisite:** PHIL 220 Or PHIL 210 And PHIL 110

**PHIL 310 (3-3-0) Philosophy of Religion:** A course examining the claims of religion from a logical point of view and covering such topics as traditional arguments for the existence of God, the problem of evil, evolution, knowledge and belief, religion and morality, religious experience and verification, and existentialism.

**Prerequisite:** PHIL 220 Or PHIL 210 Or PHIL 110

**PHIL 320 (3-3-0) Introduction to Ethics:** A philosophical exploration of the basis of the good life, involving approaches to the problems of moral belief and practices.

**Prerequisite:** PHIL 220 Or PHIL 110 Or PHIL 210

**PHIL 330 (3-3-0) Ancient and Medieval Philosophy:** A study of major philosophical developments from the ancient Greeks through the medieval period, emphasizing Plato, Aristotle, and Aquinas. Students will develop skills in the analysis, development, and evaluation of claims and arguments connected with the ancient and medieval period.

**Prerequisite:** PHIL 220 Or PHIL 110 Or PHIL 210

**PHIL 340 (3-3-0) Modern Philosophy:** This course provides a study of major philosophical developments of the modern period, with emphasis on the arguments of the rationalists and empiricists. Students will develop skills in the analysis, development, and evaluation of claims and arguments of the modern period.

**Prerequisite:** PHIL 220 Or PHIL 110 Or PHIL 210

**PHIL 360 (3-3-0) Existentialism:** This seminar in philosophy provides a study of Existentialism as a response to the philosophical problems unique to the post-industrial societies as articulated by Kierkegaard, Nietzsche, Sartre, Camus, et al. Focusing primarily on such major existential themes as choice, responsibility, identity, freedom, and alienation, the students will explore the common concern of these thinkers about human existence and the conditions and quality of the life of the individual.

**Prerequisite:** PHIL 220 Or PHIL 110 Or PHIL 210

**PHIL 370 (3-3-0) Philosophy of Science:** This course provides a philosophical exploration of issues in the philosophy of science and technology, and of problems of scientific belief and practice. Topic areas include the value of science; the nature of scientific activities; science and myth; generalization and related inductive reasoning; causal reasoning; scientific theories; science and society; change in science; and, scientific explanation. Students will develop skills in the analysis, development, and evaluation of scientific claims and scientific arguments.

**Prerequisite:** PHIL 220 Or PHIL 110 Or PHIL 210

**PHIL 430 (3-3-0) Seminar in Philosophy:** Individual or group study and critical discussion of selected philosophical issues.

**Prerequisite:** PHIL 110 Or PHIL 210 Or PHIL 220

**PHYS 110 (2-2-0) Basic Physics:** An introduction to fundamental concepts of measurements, dimensions and units, scalars and vectors, forces and free-body diagrams, work and energy, with attention to the improvement of problemsolving and computational skills.

**Prerequisite:** MATH 123

**PHYS 111 (4-3-2) General Physics I:** An introductory study of the phenomena and concepts of classical physics, emphasizing mechanics, wave motion, fluids, temperature, and heat, with laboratory exercises providing practical knowledge in handling laboratory apparatus, data collection, and data interpretation related to topics discussed in the lectures.

**Prerequisite:** MATH 124 Or MATH 129 Or MATH 130

**PHYS 112 (4-3-2) General Physics II:** A continuation of PHYS 111, emphasizing the principles of electricity, magnetism, electromagnetic waves, geometrical and physical optics, with laboratory exercises providing practical knowledge in handling laboratory apparatus, data collection, and data interpretation related to the topics discussed in the lectures.

**Prerequisite:** PHYS 111

**PHYS 113 (2-2-0) General Physics III:** A continuation of PHYS 112, emphasizing the concepts and principles of modern physics, including special relativity, quantum physics, nuclear and high energy physics. Conceptual demonstrations of essential principles will be an integrated feature of this course.

**Prerequisite:** PHYS 112

**PHYS 121 (4-3-2) College Physics I:** A calculus-based introductory study of Newtonian mechanics, wave motion, thermodynamics, and related concepts, with special emphasis on problem-solving and with laboratory experiences providing practical knowledge in handling laboratory apparatus, data collection, and data interpretation related to topics discussed in the lectures.

**Prerequisite:** MATH 241 (may be taken concurrently) And MATH 142

**PHYS 122 (4-3-2) College Physics II:** A continuation of PHYS 121, emphasizing the principles of electricity, magnetism, electromagnetic waves, geometrical and physical optics, with laboratory exercises providing practical knowledge in handling laboratory apparatus, data collection, and data interpretation related to topics discussed in lectures.

**Prerequisite:** PHYS 121

**PHYS 123 (2-2-0) College Physics III:** A continuation of PHYS 122, emphasizing the principles of special relativity, quantum physics, nuclear and high energy physics. Demonstrations of essential principles will be an integrated feature of this course.

**Prerequisite:** PHYS 122

**PHYS 211 (4-3-2) Mechanics:** An intermediate-level concentration in mechanics dealing with vector analysis, central force problems, rotational motion, and time, position, and velocity dependent forces, steady state and time varying forced oscillations and the Lagrangian method. Laboratory exercises complement theoretical concepts covered in the course.

**Prerequisite:** MATH 331 (may be taken concurrently) And PHYS 121 And MATH 242

**PHYS 212 (4-3-2) Heat:** An intermediate-level concentration in thermodynamics dealing with the laws of thermodynamics, open and closed systems, kinetic theory of gases, heat engines, and statistical mechanics with laboratory exercises complementing theory.

**Prerequisite:** MATH 241 And PHYS 122

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**PHYS 301 (4-3-2) Electronics for Scientists:** An introduction to the foundations of electronics for students of the sciences, with specific consideration of the properties of semi conducting elements. The course emphasizes various types of electronic circuits and devices such as amplifiers, and other solid state devices, using linear and digital circuits. Construction and analysis of electronic circuits and devices, with experimental demonstrations of their uses, are essential components of the course.

**Prerequisite:** MATH 241 (may be taken concurrently) And PHYS 112 Or PHYS 123 And MATH 142

**PHYS 302 (4-3-2) Biophysics:** An introduction to the basic principles of electricity, mechanics, thermodynamics, optics, and acoustics to living organisms and the biosphere. Beginning with the subatomic level, the basic knowledge of physics is used to understand the structure and function of macro-molecules, cellular organelles, the processes occurring within the cell, and behavior of organisms in the environment. The treatment of biological phenomena will be based on physical principles with appropriate mathematics when necessary.

**Prerequisite:** MATH 241 (may be taken concurrently) And PHYS 112 Or PHYS 122

**PHYS 311 (4-3-2) Electricity and Magnetism I:** An intermediate-level presentation of the principles and theories of electricity and magnetism, with applications of Maxwell equations and boundary value problems and with laboratory exercises complementing theory.

**Prerequisite:** MATH 331 And PHYS 122 And PHYS 211

**PHYS 312 (4-3-2) Electricity and Magnetism II:** An intermediate-level presentation of the principles and theories of electricity and magnetism, with emphasis on boundary value problems, collision processes, radiation, and relativity.

**Prerequisite:** PHYS 311

**PHYS 390 (3-3-0) Fire Dynamics:** An examination of fire dynamics within the context of firefighting and its application to fire situations, including combustion, flame spread, flashover, and smoke movement, as well as applications to building codes, large-loss fires, and fire modeling.

**POLI 200 (3-3-0) Introduction to Political Science:** The study of the basic principles and concepts of political science with emphasis on the nature and function of political systems. Various approaches to the study of politics and the relationship of political science to other social sciences will be examined.

**POLI 210 (3-3-0) Principles of American Government:** An introduction to the historical background, purposes, and functions of political institutions, especially the structures and activities of the American system - federal, state, and local.

**POLI 220 (3-3-0) Principles of Public Administration:** A study of basic concepts of administration including the following topics: the growth of administration as an art and a science; the relationship of administration to the political process; administrative organization and processes; the political power of bureaucracies; and the responsibility of public servants.

**POLI 301 (3-3-0) Organizational Theory:** An analysis of organizational theories, incorporating the traditional political, environmental, behavioral, bureaucratic, and decision-making approaches and applying them to studies of modern organizations, with additional attention to current research on contemporary issues demonstrating the continuing development of organizational theory.

**POLI 311 (3-3-0) Political Parties and Pressure Groups:** A study of the history, structure, and functions of American political parties and pressure groups, their relationship to democratic government, and their techniques of political action.

**POLI 312 (3-3-0) Principles of Public Administration:** A course focusing on leadership styles, human motivations, and basic problems of management, including decision-making, communications, and public relations.

**POLI 320 (3-3-0) State and Local Government:** An examination of the framework of state and local governments in the United States and an evaluation of their contributions to federal systems, with special attention to North Carolina's governmental structure and contributions.

**POLI 321 (3-3-0) Public Personnel Management:** A study of the theory, practice, and organization of the public personnel system in the United States, including the essentials of personnel training, classification, compensation, promotion, testing, employee relations, and employee organizations.

**POLI 330 (3-3-0) Public Financial Management:** A study of the practices and problems of modern fiscal management, with special emphasis on budgeting concerns and techniques, budget management for planning and control, and budget review as an analytical tool at the national, state, and local levels of government.

**POLI 331 (3-3-0) Politics and Urban Planning:** A study of approaches to urban planning in the light of political realities in the nation, the state, and the community.

**POLI 332 (3-3-0) The Legislative Process:** A study of the evolution, structure, functioning processes, and dynamics of American legislative institutions, with emphasis on the interrelationships among the legislative, executive, and judiciary branches and outside groups in the law-making process.

**POLI 350 (3-3-0) Government and Politics of Africa:** A course examining characteristics of governments and politics in the developing nations of Africa, with attention to such concerns as colonialism, independence movements, and the problems of nation building.

**POLI 351 (3-3-0) Government and Politics of Europe:** A comparative analysis of the organization, functioning, and processes of governments and politics in the Soviet Union and selected European countries.

**POLI 352 (3-3-0) Government and Politics of Asia:** A course analyzing the organization, functioning, and processes of governments and politics in China, Japan, and other Asian nations.

**POLI 400 (3-3-0) Administration of Urban Government:** A study of the organization and management characteristics of various types of government entities in urban areas, including municipal government, county government, and governmental structures for other special districts.

**POLI 401 (3-3-0) Federalism and Intergovernmental Relations:** A course focusing on changing relationships of local, state, and federal agencies, the expanding role of regional planning boards, and recent developments in the sharing of federal tax revenue with non-national governments.

**POLI 402 (3-3-0) Public Policy Formulation:** A course covering approaches to decision-making in government and administration, including policy formulation within administrative agencies and departments and within the larger context of the overall political process.

**POLI 410 (3-3-0) The American Chief Executive:** A study of the origin, background, and evolution of the Office of the President of the United States, with a review of the president's powers in the areas of politics, administration, legislation, and foreign affairs.

**Prerequisite:** POLI 210

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**POLI 411 (3-3-0) Public Opinion and Propaganda:** A study of the development of attitudes and beliefs, the nature of public opinion and propaganda, the methodology of public opinion polling, and the strategies and techniques for influencing public opinion through the uses of propaganda, mass media, and communications.

**POLI 412 (3-3-0) Administrative Law:** An investigation of administrative law, its powers and procedures, the liabilities of administrative agencies and officers, and governmental activities in the regulation of agriculture, industry, and labor.

**POLI 420 (3-3-0) Research Methods in Public Management:** A review of basic concepts, ideas, approaches, methods, and materials used to study administrative institutions, including simulation techniques, surveys, mathematical statistics, cybernetics, content analysis, and computers.

**POLI 422 (3-3-0) American Foreign Policy:** A study of American foreign policy decision-making with assessments of the effectiveness of foreign policies.

**POLI 430 (3-3-0) International Politics:** A study of the interplay of political forces in the international community, with emphasis on war-time diplomacy, peace treaties, and alignments of nations in times of peace and conflict during the postwar period.

**POLI 431 (3-3-0) International Organization:** A study of the basic concepts, historical backgrounds, evolution, and functioning of international governmental and administrative systems, with primary emphasis on the United Nations.

**POLI 432 (3-3-0) International Law:** A review of the rules and practices governing nations in peace and war; the nature, sources, evolution, and functioning of various schools of international law; principal law-making and adjudicatory agencies; international personalities; treaties; jurisdictions over person and place; diplomatic and consular interactions; peace settlements; war and neutrality.

**POLI 440 (3-3-0) Introduction to Government Planning:** A study of concepts, fundamentals, and methods of planning, focusing on the significance of planning to public administration and public policy, with special consideration of Program Planning Budgeting Systems (PPBS), Management by Objectives (MBO), Program Evaluation and Review Technique (PERT), Planning, Management, and Evaluation (PME), and Zero Base Budgeting (ZBB).

**POLI 441 (3-3-0) Citizen Participation in Policy Making:** A study of citizens' involvement in political activities and in government policy making, with analyses of citizen initiated and government sponsored efforts to increase popular input, and assessments of the effects of citizen participation on policy making related to specific issues and to the performance of governments.

**POLI 442 (3-3-0) Public Policy Analysis:** A study of the methods and techniques used in determining the effectiveness of public programs, with emphasis on the development of appropriate systems for conducting evaluations and with the use of case studies for practical exercises in policy analysis.

**POLI 450 (3-3-0) History of Political Theory:** A survey of political theories and their practical applications from the days of ancient Greece to the sixteenth-century theorist, Jean Bodin.

**Prerequisite:** POLI 200

**POLI 460 (3-3-0) History of Political Theory II:** A continuation of the study of political theories from Thomas Hobbes to the present.

**Prerequisite:** POLI 200

**POLI 461 (3-3-0) American Political Ideas:** A study of the political ideas of leading American political leaders and public officials, with particular attention to the influences of these ideas upon American governmental systems.

**Prerequisite:** POLI 210 And POLI 200

**POLI 470 (3-3-0) Government Internship:** Supervised experience in the application of principles and techniques to various areas of public service, with supervision and evaluation under the direction of the instructor in cooperation with administrators of selected public agencies in the state, and with requirements including one-hour a week in lectures and conferences and at least nine hours a week on assignment at public agencies.

**POLI 471 (3-3-0) Research Seminar:** Practical experience in applying the research methods introduced in POLI 420 to in-depth studies of selected topics, incorporating computer technology for data gathering, analyses, and interpretation.

**Prerequisite:** POLI 420

**POLI 480 (3-3-0) Senior Seminar:** Intensive independent studies of selected topics, requiring the preparation and presentation of assigned topics for critical review.

**POLI 481 (3-3-0) Senior Seminar - Selected Problems in Public Management:** An analysis of problems in public management created by or associated with technological advancements, environmental changes, urbanism, the civil rights movement, ethics and values, private rights, and changing expectations.

**POLI 490 (3-3-0) Advanced Reading and Research:** Supervised reading and research in areas of special interest.

**POSC 101 (3-3-0) Introduction to Law Enforcement:** A study of the philosophy and history of law enforcement, including its legal limitations in a democratic republic; a survey of the primary duties and responsibilities of the various law enforcement agencies; a delineation of the basic processes of justice; an evaluation of law enforcement's current position; and an orientation relative to law enforcement as a vocation. Students who have completed CRJC 201 may not take this course.

**POSC 102 (3-3-0) Highway Traffic Administration:** An examination of the U.S. transportation system, including a study of complementary agencies that contribute to the effectiveness of operations within the system through the organization and administration of traffic flow regulations, traffic laws, traffic control, accident investigations, traffic courts, and regular operational analyses, with additional attention to the social, economic, and political impacts of the transportation system, including the complementary agencies in their contributory roles.

**POSC 111 (3-3-0) Criminal Law:** A presentation of the basic concepts of criminal law and an evaluation of the merits of rules of law and order in our system of government. Students who have completed CRJC 300 may not take this course.

**POSC 210 (3-3-0) Criminal Investigation:** An introduction to the fundamentals of investigation, including procedures and techniques for conducting crime scene searches; recording, collecting and preserving evidence; identifying, using, and protecting sources of information; conducting interviews and interrogations;

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preparing cases and making court presentations; and investigating specific criminal offenses. Students who have completed CRJC 210 may not take this course.

**POSC 221 (3-3-0) Introduction to Criminalistics:** A general survey of the methods and techniques used in modern scientific investigations of crimes, with emphasis on practical applications of demonstrated laboratory techniques and the use of available scientific equipment. Students who have completed CRJC 221 may not take this course.

**POSC 230 (3-3-0) Criminal Evidence:** POSC 230 (3-3-0) Criminal Evidence (CRJC 230); A study of the kinds and degrees of evidence and the rules governing the admissibility of evidence in court. Students who have completed CRJC 230 may not take this course.

**POSC 232 (3-3-0) Police Organization and Administration:** An introduction to the principles of police organization and administration, with special attention to the service functions; e.g., personnel management, police management, training, communications, records, property maintenance, and miscellaneous services.

**POSC 241 (3-3-0) Crime Scene Technology:** A review of processes governing the search for physical evidence, with emphasis on the location, reproduction, identification, collection, and preservation of evidence, and of the transportation of evidence to the crime laboratory, with laboratory situations providing practical experiences in applications of techniques and procedures studied.

**POSC 251 (3-3-0) Criminal Procedures:** A review of criminal procedures from incident to final disposition and a survey of the principles of constitutional, federal, state, and civil laws relative to law enforcement.

**POSC 262 (3-3-0) Police Community Relations:** A course in the development and use of community relations programs to aid and support the police, corrections programs, and the criminal justice system as a whole in their promotion of an orderly society. Students who have completed CRJC 262 may not take this course.

**POSC 400 (3-3-0) Seminar in Criminal Interrogation and Confessions:** A study of criminal interrogations and confessions, including such aspects as warning the subject, the Fourth Amendment Right of Privacy, the attitude of the interrogator, the classification of suspects for interrogation, tactics at interrogations, the interrogation of witnesses who may later become suspects, psychological tools to be used in extracting a confession from an unwilling suspect, procedures for reading suspects their rights and for informing them of those rights, the laws governing the admissibility of confessions in court, the use of trickery and deceit, and the latest laws- both federal and state-regarding, confessions and interrogations.

**Prerequisite:** POSC 101 Or CRJC 101 And CRJC 300

**PSCI 111 (4-4-0) Physical Science I:** An introduction to the principles, concepts, and ideas of the physical sciences (physics, chemistry, astronomy, geology, meteorology, and oceanography), including lectures, discussions, and laboratory sessions devoted to physics and chemistry, with opportunities for making observations, developing problem-solving techniques, and using reasoning skills in guided applications of the scientific method.

**Prerequisite:** MATH 123 Or MATH 123 (may be taken concurrently)

**PSCI 112 (4-4-0) Physical Science II:** A continuation of the principles, concepts, and ideas begun in Physical Science 1, including lectures, discussions, and laboratory sessions devoted to astronomy, geology, meteorology, and oceanography, with opportunities for making observations, developing problem-solving techniques, and using reasoning skills in guided applications of the scientific method.

**Prerequisite:** PSCI 111



**PSYC 210 (3-3-0) General Psychology:** An introduction to the study of psychology as a science and the application of the scientific method in the understanding of behavior, with emphasis on such behavioral phenomena as learning, motivation, emotions, memory and problem solving, personality and development, behavior disorders, and psychotherapy.

**PSYC 233 (4-4-0) Statistics for Psychology:** Basic statistical theory and techniques appropriate to psychology and related fields; introduction to statistical inference and the testing of hypotheses. This course includes a lab which incorporates the use of computer packages for statistical analyses.

**Prerequisite:** MATH 123 And PSYC 210

**PSYC 250 (3-3-0) Current Topics in Psychology:** A study of current topics in psychology, with an emphasis on topics related to current research.

**Prerequisite:** PSYC 210

**PSYC 260 (4-4-0) Computer Applications for Behavioral Sciences:** An introduction to microcomputers stressing the hands-on use of basic applications to include word processing, spreadsheets, and databases in a Windows environment. The course will emphasize the use of these tools in preparing documents integrating the three applications.

**PSYC 300 (3-3-0) Psychology of Personal Adjustment:** A study of coping mechanisms and adjustment strategies for meeting the everyday demands of life and dealing with special psychological problems, such as stress, depression, anxiety, deviant sexual behavior, sexual dysfunction, and other everyday problems.

**PSYC 310 (3-3-0) Theories of Personality:** An investigation of theories concerning the development and functioning of the normal personality, with attention to empirical findings related to individual adjustment or maladjustment.

**Prerequisite:** PSYC 210

**PSYC 320 (3-3-0) Theories of Learning:** A review of major theories of human and animal learning and motivation, with emphasis on individual and environmental factors affecting learning and performance in various contexts, including experimental and educational settings.

**Prerequisite:** PSYC 210

**PSYC 331 (3-3-0) Developmental Psychology:** An introduction to developmental psychology, focusing on the period from conception through adolescence, with emphasis on developmental principles and theories in the areas of cognitive, emotional, social, personality, and physical development.

**Prerequisite:** PSYC 210

**PSYC 332 (3-3-0) Psychology of Aging:** An introduction to adult development and human aging, including a survey of major developmental principles, theories, and current research in the areas of biological, cognitive, social, personality, and emotional development.

**Prerequisite:** PSYC 210

**PSYC 342 (3-3-0) Introduction to Clinical and Counseling Psychology:** A survey of the history, theories, and applications of clinical and counseling psychology, with an emphasis on analyses of the various approaches to counseling and therapy.

**Prerequisite:** PSYC 210

**PSYC 343 (3-3-0) Multicultural Psychology:** A study of the development of ethnic psychology, with emphasis on related theories and research and on the interactions of ethnic Americans with educational,

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political, religious, and social institutions.

**Prerequisite:** PSYC 210

**PSYC 350 (3-3-0) Industrial and Organizational Psychology:** A study of psychological factors influencing performance in work settings, especially group processes, employee motivation, leadership, selection, and training, with additional emphasis on the analysis and design of jobs and organizations.

**Prerequisite:** PSYC 210

**PSYC 352 (4-3-1) Research Methodology:** A lecture and laboratory course covering the design, analysis, implementation, and interpretation of experimental research in areas of general psychology, such as learning, memory, and perception, and in social psychology.

**Prerequisite:** PSYC 233

**PSYC 354 (3-3-0) Writing for Psychology:** The course is designed to teach students the basic mechanics of writing in psychology. Topics to be discussed in this course will include orderly and precise presentation of ideas, smoothness and economy of expression, and the preparation of manuscripts according to the standards of the American Psychological Association.

**Prerequisite:** PSYC 233 And PSYC 210

**PSYC 360 (3-3-0) Social Psychology:** A study of individual behavior influenced and affected by social factors, with emphasis on socialization, attitude formation, and change, with additional attention to interpersonal attraction, leadership, and other behaviors in group settings.

**Prerequisite:** PSYC 210 Or PSYC 210

**PSYC 365 (3-3-0) Health Psychology:** An examination of the links between medicine and psychology, including the relevance of biological, personal, cognitive, developmental, social, environmental, and cultural variables to health and illness. Health, illness, health and illness behavior will be studied with the aim of greater understanding of health issues and the individuals' relationship to these issues within individual, cultural and cross-cultural contexts.

**Prerequisite:** PSYC 210

**PSYC 370 (3-3-0) Introduction to Biopsychology:** Background and contemporary research relating behavior to biological processes. Data on neural and hormonal systems are summarized and used in examining such complex behaviors as learning, perception, and motivation.

**Prerequisite:** PSYC 210

**PSYC 380 (3-3-0) Behavior Modification:** A study of applications of learning theories and laboratory findings to behavior problems in educational, clinical, and social settings, with emphasis on empirical research demonstrating the effectiveness of behavior modification and cognitive/behavioral techniques.

**Prerequisite:** PSYC 320

**PSYC 381 (3-3-0) Child Psychopathology:** A survey of factors affecting psychological development from infancy through adolescence, with emphasis on conceptual models, assessment approaches, and treatment of abnormalities.

**Prerequisite:** PSYC 331

**PSYC 390 (3-3-0) Psych Tests and Measurements:** A survey of the major methods of evaluating and comparing psychological and physical abilities, including methods of measurement, basic statistical concepts relative to evaluation, and applications of psychological testing.

**Prerequisite:** PSYC 233

**PSYC 400 (3-3-0) History and Systems of Psychology:** A survey of the development of psychology in historical and socio-cultural perspective. A review of the major historical and contemporary systems of psychology, and their relation to the philosophy of science and to the selection of problems and methodologies.

**Prerequisite:** PSYC 352

**PSYC 403 (3-3-0) Psychopharmacology:** A study of the effect of pharmacological agents on the brain and behavior. This class fosters a multilayered approach, from the receptor level to system and behavioral level. Every drug and its psycho-physiological effects are discussed in the social context where it occurs.

**Prerequisite:** PSYC 210 And PSYC 370

**PSYC 420 (3-3-0) Sensation and Perception:** A study of the structures and functions of the sensory systems, with particular attention to perceptual processes influenced and affected by physical factors in the environment and by psychological aspects of the perceiving organism.

**Prerequisite:** PSYC 370

**PSYC 421 (3-3-0) Cognitive Psychology:** A study of theoretical approaches and research findings relevant to the complex processes of thinking, linguistic expression, problem solving, and decision making, with attention to the relation of these processes to intelligence and creativity.

**Prerequisite:** PSYC 210

**PSYC 422 (3-3-0) Abnormal Psychology:** A survey of disturbances of personality and behavior and of the major viewpoints regarding causes, prevention, and treatment.

**Prerequisite:** PSYC 210

**PSYC 430 (3-3-0) Advance Seminar Sex and Gender:** Sex and Gender: This senior seminar will explore how various areas of psychology conceptualize and investigate the relationship between sexuality and gender. The study of gender/sexual relations will be approached from many different perspectives, including individual, social, cultural, historical, and biological. Sources will include journal articles, books, and fictional stories.

**Prerequisite:** PSYC 352

**PSYC 443 (3-3-0) Introduction to Animal Behavior:** This course focuses on understanding the evolution, expression, organization, and modification of animal behavior. Behavioral variation as well as the conservative nature of many behavioral responses will be addressed. The course will consider how the study of behavior in animals other than humans may help us to understand human behavior as well as to better conserve threatened or endangered species.

**Prerequisite:** PSYC 210 And PSYC 233 And PSYC 352

**PSYC 460 (3-3-0) Senior Seminar:** A study of selected contemporary topics examining the functional interrelationships of research, theory, and/or application within the various areas of psychology.

**PSYC 465 (3-3-0) Biopsychology Laboratory:** The aim of the Biopsychology Laboratory is to introduce students to paradigms for the explanation and study of behavior that are characterized by a focus on the functioning of the nervous system. This lab will examine these functions within the broader framework of the structures of behavior (innate and acquired), as well as functional systems (sensation, perception, motor control and cognition).

**Prerequisite:** PSYC 370

**PSYC 469 (3-3-0) Advanced Biopsychology:** Examines broad range of questions about how the nervous systems are organized, and how they function to generate behavior. These questions are explored using the

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analytical tools of molecular and cell biology, genetics; questions are explored using the analytical tools of molecular and cell biology, genetics, systems anatomy, and physiology. The student will focus on an advanced understanding of central nervous system processes.

**Prerequisite:** PSYC 210 And PSYC 370

**PSYC 485 (3-3-0) Individual Topics in Psychology:** Systematic review of various topics on issues of psychological relevance, such as stress management, and sexual reinstatement.

**PSYC 489 (3-3-0) Independent Study I:** Supervised library, laboratory, and/or field research in psychology on a topic of choice of a student.

**PSYC 491 (3-3-0) Independent Study II:** Supervised library, laboratory, and/or field research in psychology on a topic of choice of a student.

**READ 300 (3-3-0) New Literacies of 21st Century:** This course designed to explore the reading process, factors and affect reading development, and the changing nature of literacy in the 21st Century, including an examination of reading comprehension and learning using the internet versus print-based reading environments.

**READ 315 (3-3-0) Teaching Reading in the Elementary School:** An introduction to the basics of reading instruction, with emphasis on reading readiness, the initial stages of reading development, and primary and intermediate reading programs.

**READ 316 (3-3-0) Corrective and Remedial Reading:** A course in the prevention, diagnosis, and correction of reading difficulties.

**Prerequisite:** READ 315

**READ 320 (3-3-0) Teaching Reading in the Content Areas:** A study of methods, materials, classroom procedures, and evaluation techniques for facilitating reading in the content areas in middle and secondary schools. (Fall, Spring, Summer)

**READ 370 (3-3-0) Linguistics and Reading:** This course focuses on the purposes of literacy instruction, which includes helping children develop their oral language skills, and describing how reading and writing develop. Emphasis is placed on providing a wide variety of activities for preschoolers to stimulate language development and literacy. Assessing children's progress in literacy is also addressed.

**READ 380 (3-3-0) Prt Tch Rdg Adt N-Rdg:** A practical course in assessing the reading needs of adult non-readers and in designing remedial programs to address reading deficiencies.

**READ 390 (3-3-0) Methods and Materials in Teaching Reading:** A study of reading problems, materials, methods, and instructional media basic to the effective teaching of reading.

**READ 400 (3-3-0) Practicum in the Correction of Reading and Related Disorders:** A clinical experience in diagnosing reading problems and deficiencies of disabled readers, with emphasis on methods of assessing disabled readers, writing reports and lesson plans according to assessed needs, and tutoring.

**Prerequisite:** READ 390

**READ 422 (3-3-0) Teaching Reading to Culturally Diverse Children:** An examination of materials and approaches for teaching reading effectively in a multicultural setting.

**READ 441 (3-3-0) The Psychology of Reading:** A study of learning theories related to the process of reading, with emphasis on language development, including linguistic, cognitive, perceptual, and sensory aspects, and the relationship of language development to reading growth and development.

**Prerequisite:** READ 320 Or READ 315

**READ 490 (3-3-0) Seminar in Reading:** Analyses of problems, issues, and trends in reading education.

**Prerequisite:** READ 320 And READ 315

**RECR 200 (3-3-0) Prog Plan-Urban Rec:** A course in the development of recreation program activities for all age groups, including consideration of facilities and equipment, group composition, community resources, and leadership techniques, as well as the role of the supervisor in personnel selection, motivation, and evaluation, and in the planning, organization and operation of a comprehensive program.

**RECR 203 (3-3-0) Introduction To Community Recreation:** A study of the historical, physiological, social, economic, and philosophical foundations of recreation, with emphasis on the theories, objectives, and principles of public, private and commercial recreation programs.

**RECR 300 (3-3-0) Leadership in Supervised Recreation:** Observation of and practical experience in effective supervision of recreation activities and recreation personnel, both professional and volunteer.

**RECR 312 (3-3-0) Organization and Administration in Community Recreation:** A study of the administrative practices, organizational structures, principles, and philosophy of community recreation.

**Prerequisite:** RECR 203

**RECR 411 (3-3-0) Recreational Practice (Internship):** An internship experience in recreational practice with public and private agencies.

**Prerequisite:** RECR 200

**RECR 422 (3-3-0) Camping:** An introduction to fundamentals of planning, organizing, and administering camping programs.

**RECR 430 (3-3-0) Therapeutic Recreational Services:** A study of recreational activities designed to meet the limitations imposed by handicaps or illnesses.

**RECR 431 (3-3-0) Physical Recreation for the Emotionally Handicapped:** An examination of individual and group approaches to physical education for the emotionally disturbed and mentally ill.

**RELI 311 (3-3-0) Introduction to the Bible:** A study of important Biblical writings, with special emphasis on the diverse forms of writings in the Bible, the historical contexts in which specific books were produced and the religious beliefs and values expressed.

**RELI 410 (3-3-0) Soc/Rel:** A study of the relationship between religious beliefs and diverse cultural forms, including art, literature, music, politics, and society, with examinations of non-western as well as of western religious traditions.

**SOCI 150 (3-3-0) The Global Society:** This introductory course focuses on the global society. Using a variety of techniques, the course introduces students to several of the more pressing global issues and demonstrate their interconnectedness; acquaints students with the main structural features of the global system; equips students to live and work in a globally interdependent world, develops students' ability to work with diverse sets of interest groups on complex issues that cross local and national boundaries; and, by

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demonstrating the links between global issues and the global society, encourages a recognition of the ethical and social responsibility of global citizenship.

**SOCI 210 (3-3-0) Principles of Sociology:** An examination of the basic concepts and principles of sociology, with emphasis on a scientific analysis of culture, personality, social groups and social institutions, social organizations, population trends, and social processes.

**SOCI 220 (3-3-0) Contemporary Social Problems:** An analysis of the causes and consequences of current social problems: poverty, urbanization, wars, mental illness, alcoholism, drug addiction, crime and delinquency, environmental concerns, and problems of social institutions.

**Prerequisite:** SOCI 210

**SOCI 311 (3-3-0) Culture and Personality:** A study of the nature of culture, of the factors of difference in human behavior and personality, and of comparisons of selected preliterate and modern groups with regard to social situations.

**Prerequisite:** SOCI 210

**SOCI 330 (3-3-0) Marriage and Family Relations:** An analysis of the forms and functions of the family, including changing sex roles, marital choice, procreation, and socialization, with emphasis on the history of American family patterns and the effects of contemporary social changes on the family.

**Prerequisite:** SOCI 210

**SOCI 331 (3-3-0) Social Statistics:** An introduction to techniques for the analysis and interpretation of research data, including descriptive statistics (frequency distributions, centrality, variability and correlation measures) and inferential statistics (sampling theories and tests of statistical hypotheses, including the chi square, t-tests and analysis of variance).

**Prerequisite:** MATH 123 And SOCI 210

**SOCI 333 (3-3-0) Introduction to SPSS:** An introduction to the Statistical Package for the Social Sciences, a computer program for data processing and statistical analysis, enabling students without knowledge of programming or without programming aspirations to utilize the computer for scientific research.

**Prerequisite:** SOCI 210 And SOCI 331

**SOCI 335 (3-3-0) Sociological Research Methods:** An introduction to the various sociological research methods, with emphasis on research design, questionnaire construction, the construction and use of surveys, uses of available data, methods of collecting and analyzing data, the testing of hypotheses, the drawing of inferences, and the writing of the research report.

**Prerequisite:** SOCI 210 And SOCI 331

**SOCI 340 (3-3-0) Crime and Delinquency:** A study of the nature of crime and delinquency as forms of deviant behavior, including theories of causation relating to both, with considerations of the justice system for each.

**Prerequisite:** SOCI 210

**SOCI 350 (3-3-0) History of Sociological Thought:** A selective and systematic study of major writings in the development of modern sociological thought, with critical examination of the sociological theories of selected writers.

**Prerequisite:** SOCI 210

**SOCI 351 (3-3-0) Contemporary Social Theory:** A study of the major contemporary sociological theories, with critical analyses of the writings of American social theorists.

**Prerequisite:** SOCI 350 And SOCI 210

**SOCI 360 (3-3-0) Sociology of Deviant Behavior:** A study of the major theories and types of deviant behavior, with critical analyses of society's reactions to such behavior.

**Prerequisite:** SOCI 210

**SOCI 362 (3-3-0) The Sociology of Religion:** A study of the nature of religion, including the societal and cultural dimensions of religion, the role of religion in social change, and the status of religion in contemporary society.

**Prerequisite:** SOCI 210

**SOCI 370 (3-3-0) The Sociology of The Black Community:** A sociological analysis and description of the black community, its socio-historical characteristics, the life styles and socio-cultural patterns within the black community, and the structures and functions of specific social institutions within the black community.

**Prerequisite:** SOCI 210

**SOCI 372 (3-3-0) Sociology of Education:** An examination of education as a social institution, the school as a social system, the teacher as an agent of social change, and social programs as complements of programs in education, with emphasis on current social trends, special problems in teaching today, social factors that influence learning, and the role of education in the status attainment process.

**Prerequisite:** SOCI 210

**SOCI 375 (3-3-0) Comparative Societies:** A comparative study of human social life. This course presents students with an overview of the major social, cultural, political, economic and other organizational differences among human societies and the transformations that have occurred over the millennia. The major theoretical and empirical works in the field are examined.

**Prerequisite:** POLI 200 Or SOCI 210

**SOCI 380 (3-3-0) Sociology of Work:** A sociological analysis of the division of labor, labor force trends, career patterns and mobility, and occupational cultures and lifestyles.

**Prerequisite:** SOCI 210

**SOCI 390 (3-3-0) Social Behavior and Interaction:** This course provides an analysis of the major scientific propositions, concepts, research methods, and theories developed to explain the behavior of individuals in relation to other individuals, groups, and culture. Emphasis will be placed on the relationship between social interaction and the behavior of individuals.

**Prerequisite:** SOCI 210

**SOCI 400 (3-3-0) The Sociology of Gender Roles:** A course examining the social determinants of gender role identity, with emphasis on the relationship between gender role identity and personality, personal and professional relationships, work, religion, and general culture, particularly the culture of the United States.

**Prerequisite:** SOCI 210

**SOCI 410 (3-3-0) Introduction to Gerontology:** An introduction to the field of gerontology, with emphasis on the psychological, biological, and sociological processes of aging.

**Prerequisite:** SOCI 210

**SOCI 412 (3-3-0) Race and Ethnic Relations:** A study of the theories and principles of majority minority relations, with emphasis on the status and problems of selected racial, ethnic, and religious minority groups in

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the United States and elsewhere.

**Prerequisite:** SOCI 210

**SOCI 422 (3-3-0) Collective Behavior and Social Movements:** A study of human behavior as expressed through group behavior, especially the forces that precipitate change in the social order, such as crowds, mobs, mass behavior, public opinion, social movements, revolutions, and social planning.

**Prerequisite:** SOCI 210

**SOCI 430 (3-3-0) Demography:** A study of the distribution, growth, and characteristics of human populations and their relationship to social organization.

**Prerequisite:** SOCI 210

**SOCI 440 (3-3-0) Sociology of Health:** An analysis of the social facets of health and illness, the social functions of health institutions and organizations, the relationship of systems of health care delivery to other social systems, and the social behavior of health personnel and the consumers of health care.

**Prerequisite:** SOCI 210

**SOCI 442 (3-3-0) Urban Sociology:** A study of urbanism as a way of life; the growth and development of urban areas; urban social organization; change and problems of contemporary urban life; ecological patterning; urban planning; and problems of control.

**Prerequisite:** SOCI 210

**SOCI 462 (3-3-0) Social Stratification:** A study of classes, castes, estates, status groups, and social mobility, with an examination of theories of social mobility and a comparison of modes of stratification in selected societies.

**Prerequisite:** SOCI 210

**SOCI 470 (3-3-0) Social Change:** A study of the nature and processes of social change. Topics covered include the theories of social change, industrialization and modernization, planned change, and the social impact of change.

**Prerequisite:** SOCI 210

**SOCI 475 (3-3-0) Applied Social Science Research:** This course is designed to enhance students' understanding of theory and research. It focuses primarily on the conceptualization, formulation, and design of a research project utilizing a specific theoretical paradigm. The course provides hands-on actual research experience for professional presentation and publication. Students in this course must already have good knowledge of descriptive and inferential statistics and the use of SPSS.

**Prerequisite:** SOCI 331 And SOCI 333 And SOCI 335 And SOCI 351

**SOCI 478 (3-3-0) Internship in Sociology:** This course is for sociology majors who wish to acquire pre-professional and supervised field work experience in an agency or organization in the community while applying sociological knowledge and skills. The course offers students an opportunity to acquire complementary knowledge and skills for future careers and/or graduate school and to build community contacts. Students will be supervised and evaluated jointly by faculty and site supervisors.

**Prerequisite:** SOCI 335 And SOCI 340 And SOCI 390 And (SOCI 350 Or SOCI 351)

**SOCI 480 (3-3-0) Sociological Seminar:** Readings and discussions on selected problems and issues in sociology, including the various subdivisions within sociology, with particular attention to the relationship between theory and research and an examination of sociology as a profession.

**Prerequisite:** SOCI 210 And SOCI 335 And SOCI 340 And SOCI 350 And SOCI 351 And SOCI 390



**SOCI 491 (3-3-0) Independent Study:** Supervised library and/or field research in sociology on a topic of choice of a student.

**SPAN 110 (3-3-0) Elementary Spanish I:** An introduction to the language, literature, and culture of Spanish-speaking peoples, with emphasis on the basic language skills. Laboratory practice required.

**SPAN 111 (3-3-0) Elem Spanish:** An introduction to the language, literature, and culture of Spanish-speaking peoples, with treatment in greater breadth and depth than in Spanish 110. Laboratory practice required. Admission based upon an entrance examination, previous study, and other relevant experiences.

**SPAN 120 (3-3-0) Elementary Spanish II:** A continuation of studies in the language, literature, and culture of Spanish-speaking peoples begun in SPAN 110, including further development of the basic language skills, with special attention to improving oral language skills. Laboratory practice required.

**Prerequisite:** SPAN 110

**SPAN 121 (3-3-0) Elementary Spanish (Honors) II:** A continuation of honors studies in the language, literature, and culture of Spanish-speaking peoples begun in SPAN 111, including further development of the basic language skills, with special emphasis on increasing proficiency in oral language skills. Laboratory practice required. Admission based upon an entrance examination, previous study, and other relevant experience.

**SPAN 211 (3-3-0) Intermediate Spanish:** Intermediate level studies of the language, literature, and culture of Spanish-speaking peoples, including further development of the basic language skills, with increased emphasis on reading comprehension and writing in Spanish. Laboratory practice required.

**Prerequisite:** SPAN 120

**SPAN 212 (3-3-0) Intermediate Spanish II:** A continuation of intermediate level studies of the language, literature, and culture of Spanish-speaking peoples, including further development of the basic language skills, with special emphasis on idiomatic usages and complex grammatical structures. Laboratory experience required.

**Prerequisite:** SPAN 211

**SPAN 300 (3-3-0) Spanish for Business:** An intermediate Spanish course focusing on developing communicative (oral and written) skills applicable to business in Hispanic contexts.

**Prerequisite:** SPAN 212

**SPAN 311 (3-3-0) Spanish Conversation I:** A course focusing on increasing fluency in conversational Spanish. Laboratory practice required.

**Prerequisite:** SPAN 212

**SPAN 312 (3-3-0) Spanish Conversation and Composition:** A course focusing on developing the level of proficiency in the basic language skills necessary to complete advanced courses taught exclusively in Spanish.

**Prerequisite:** SPAN 311

**SPAN 320 (3-3-0) Advanced Spanish Grammar:** A comprehensive and systematic study of Spanish grammar to develop linguistic (phrase, sentence, paragraph structure) accuracy including correct spelling and utilization of appropriate vocabulary.

**SPAN 321 (3-3-0) Spanish Civilization and Culture:** A study of the civilization, culture, and history of Spain, with attention to the life, customs, philosophy, art, music, and general patterns of culture of the

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Spanish people. Taught exclusively in Spanish.

**Prerequisite:** SPAN 312

**SPAN 322 (3-3-0) Spanish-American Civilization and Culture:** A study of the civilization, culture, and history of Spanish-America, with attention to the life, customs, philosophy, art, music, and general patterns of culture of Spanish American peoples.

**Prerequisite:** SPAN 312

**SPAN 331 (3-3-0) Survey of Spanish Literature I:** A study of representative Spanish literary works from earliest times to 1700. Taught exclusively in Spanish.

**Prerequisite:** SPAN 321

**SPAN 332 (3-3-0) Survey of Spanish Literature II:** A study of representative Spanish literary works of the nineteenth and twentieth centuries. Taught exclusively in Spanish.

**Prerequisite:** SPAN 321

**SPAN 341 (3-3-0) Survey of Spanish-American Literature I:** A survey of Spanish-American literature in the context of historical and social backgrounds, covering the period from colonization to independence. Taught exclusively in Spanish.

**Prerequisite:** SPAN 322

**SPAN 342 (3-3-0) Survey of Spanish-American Literature II:** A continuation of the survey of Spanish-American literature in the context of historical and social backgrounds, spanning the period from independence to the present. Taught exclusively in Spanish.

**Prerequisite:** SPAN 322

**SPAN 411 (3-3-0) The Nineteenth Century Spanish Novel:** A study of Spanish novels from the nineteenth and early twentieth centuries, including works by Galdos, Pereda, Blasco-Ibanez, and Pedro de Alarcon, with attention to the historical and cultural contexts of the readings. Taught exclusively in Spanish.

**Prerequisite:** SPAN 331 Or SPAN 332

**SPAN 420 (3-3-0) Introduction to Spanish Linguistics I: Phonetics and Phonology:** Phonetics and Phonology: A descriptive and comparative study of the Spanish language and its varieties in Spain and Latin America focusing on the phonetic and phonological components, while establishing contrasts with respective counterparts in the English language, and related pedagogical implications. Taught exclusively in Spanish.

**Prerequisite:** SPAN 312

**SPAN 421 (3-3-0) Introduction to Spanish Linguistics II: Morphology, Syntax and Semantics:** Morphology, Syntax and Semantics: A comparative study of the morphological, syntactic, and semantic components of the Spanish language while establishing contrasts with respective counterparts in the English language, and related pedagogical implications. Taught exclusively in Spanish.

**Prerequisite:** SPAN 312

**SPAN 431 (3-3-0) Drama of the Golden Age:** A study of the works of Spain's leading dramatists of the Golden Age: Lope de Vega, Calderon, Tirso de Molina, and Juan Ruiz de Alarcon. Taught exclusively in Spanish.

**Prerequisite:** SPAN 331 Or SPAN 332

**SPAN 441 (3-3-0) Cervantes:** A study of Cervantes, with analytical reading of Don Quixote and of selected Novelas Ejemplares. Taught exclusively in Spanish.

**Prerequisite:** SPAN 332 Or SPAN 331

**SPAN 451 (3-3-0) Contemporary Spanish:** A study of major literary works in Spanish, from the Generation of 1898 to the present, with attention to literary trends and cultural influences that contributed to the shaping of the literature. Taught exclusively in Spanish.

**Prerequisite:** SPAN 332 Or SPAN 331

**SPAN 461 (3-3-0) Studies in Latin American Prose Fiction:** A study of the developments in Latin American drama and poetry, with emphasis on changes occurring in the literature during the twentieth century. Taught exclusively in Spanish.

**Prerequisite:** SPAN 342 Or SPAN 341

**SPAN 471 (3-3-0) Studies in Latin American Prose Fiction:** A study of representative twentieth century novels and short stories by Latin American writers. Taught exclusively in Spanish.

**Prerequisite:** SPAN 342 Or SPAN 341

**SPAN 481 (3-3-0) Seminar:** Critical analysis of specific topics including Hispanic culture and/or Spanish literature and/or Spanish linguistics. Taught exclusively in Spanish.

**SPED 320 (3-3-0) Education of the Exceptional Child:** A survey of the abilities and disabilities and the inter-and intra-individual differences of exceptional children, with emphasis on the impact of educational and psychological handicaps and needs of exceptional children as well as on plans and education programs to facilitate the learning of the exceptional child.

**SPED 350 (3-3-0) Mainstreaming Exceptional Students:** A comprehensive introduction to mainstreaming exceptional students, with emphasis on the components and regulations involved in designing an Individual Education Program (IEP) for exceptional students, with opportunities for supervised experiences in the Curriculum Learning Resource Center, and with attention to the development of annual goals, short term objectives, and evaluation methods.

**SPED 370 (3-3-0) Current Development Methods/Exceptional Children:** A comprehensive methods course directed to the needs of exceptional students, providing training and teaching methods and materials best suited for each area of mild/moderate exceptionality, with emphasis on the implementation of innovative techniques and materials modifications.

**SPED 410 (3-3-0) Cl/Mgmt Stra Excep Child:** A practical course in the theories and applications of disciplinary practice suitable to exceptional children, with emphasis on the developmental stages of discipline, on the development of the teacher as an effective communicator and problem-solver, and on the implementation of appropriate strategies of classroom management.

**SPED 415 (3-3-0) Read Skills-Student Disability:** This course will examine content of the subjects of mathematics and written language, the difficulties of students with mild to moderate disabilities in the two content areas, and research-based best practices for teaching students with disabilities in mathematics and written language. The content and teaching techniques presented in the program are derived directly from the extensive research-based literature available on teaching students with severe reading difficulties. The program reflects the findings of two recent National reports addressing the instructional needs of students with reading problems: Teaching Children to Read, a report of the National Reading Panel, and Preventing Reading Problems of Young Children, a report sponsored by the national Reading Council of the National Academy of Sciences.

**SPED 418 (3-3-0) Math/Write Skill-Student Disab:** This course will examine content of the subjects of mathematics and written language, the difficulties of students with mild to moderate disabilities in the two

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content areas, and research-based best practices for teaching students with disabilities in mathematics and written language.

**SPED 420 (3-3-0) Introduction to Education of Emotionally Disturbed:** An overview of the education of emotionally disturbed students, with emphasis on the psychological, sociological, and educational implications of their education.

**SPED 430 (3-3-0) Introduction to the Education of the Learning Disabled:** An introductory course analyzing the inter- and intra individual differences of the learning disabled, with consideration of theories, identification, procedures, teaching strategies and materials, and developmental processes relative to the education of the learning disabled.

**SPED 440 (3-3-0) Introduction to the Education of the Educable Mentally Retarded:** An introduction to the study of retarded individuals, including characteristics, behavior, general nature, and needs in the home, the community, and the learning environment, with emphasis on identification procedures, teaching and organizational practices, educational methodology and materials, and prevention, as well as on the psychological, sociological, educational, and medical aspects of mental retardation.

**SPED 460 (3-2-1) Diagnosis and Evaluation of Exceptional Children:**

**SPED 465 (3-3-0) Meeting the Instructional Needs of Students with Disabilities:**

**SPED 470 (3-3-0) Student Teaching in Exceptional Education:** This is a supervised basic field experience course requiring a concentrated significant teaching experience in an exceptional children's educational setting with one or more types of Speciality Area students. Offered for variable credits (3-6 credits). For most students, the course is six semester-hour credits and require ten weeks, 300 clock hours of field experience. Students who are already certified in exceptional children may take at three semester-hour field experience.

**SPED 480 (3-3-0) Seminar II Exceptional Student Field Experience:** A clinical field experience with an accompanying seminar for teachers of exceptional students, including observations and tutoring as well as discussions of current issues, problems, and questions related to exceptional students.

**SPEE 200 (3-3-0) Introduction to Speech:** An introduction to the development of effective oral communication through instruction in theory and practice of the principles and skills required in common types of speaking situations. Basic skills in audience analysis, research, organization, outlining, utilizing evidence, reasoning, listening, and verbal/nonverbal expression are developed. Various methods of delivery are examined and practiced.

**Prerequisite:** ENGL 120 (may be taken concurrently) Or ULTR 120

**SPEE 201 (1-0-3) Speech/Theatre Activities:** Performance laboratories in practical training through participation in departmental activities. Students may enroll for no more than one (1) credit in a single semester. This course is to be repeated four times for Speech/Theatre majors. Majors must enroll for one hour in the following three concentrations: Telecommunications, Speech, and Theatre. The fourth may be in any of the concentrations.

**SPEE 210 (3-3-0) Interpersonal Communication:** A study of the process of communication, including functions, models, and theories, with an emphasis on self-disclosure, empathic listening, relational communication, and conflict management.

**SPEE 211 (3-3-0) Phonetics:** A study of the production and transcription of phonetic symbols used in the International Phonetic Alphabet, with attention to general American speech and Career speech.

**Prerequisite:** SPEE 200

**SPEE 212 (3-3-0) Voice and Diction:** A study of proper breathing for good voice production, pause, stress, intonation, and control of resonance. Emphasis is placed on improving phonation, enunciation, and articulation.

**Prerequisite:** SPEE 200

**SPEE 225 (3-3-0) Presentation Technologies:** A course offering students a detailed understanding of and specialized skills in the proper use of different presentation technologies. Students will be exposed to a wide variety of presentational media and will develop a critical awareness of these new media and their place in society. The overall goal is for students to learn how presentational technologies work, why they have become so instrumental in public communications, and when they are appropriate as a presentational strategy.

**SPEE 240 (3-3-0) Introduction to Communicative Disorders:** A survey of communicative disorders, their manifestations, and the strategies used by professionals in working with persons with communicative disorders.

**Prerequisite:** SPEE 200

**SPEE 310 (3-3-0) Public Speaking:** A study of the principles of effective public communication, focusing on speech preparation and design, audience analysis, and speech presentation in a variety of public situations.

**Prerequisite:** SPEE 200

**SPEE 311 (3-3-0) Oral Interpretation:** A study of the principles and techniques required to becoming proficient as an interpretative artist, with special emphasis on interpretations of prose, poetry, and drama, and on preparations for interpretative reading contests and other events.

**SPEE 315 (3-3-0) Computer Mediated Comm:** A class designed to initiate students to the field of study known as computer-mediated communication (CMC). Computers, their networks, and the content on them have significantly influenced our political, religious, commercial, personal, and professional lives. Students will explore both qualitative and quantitative scholarship that focuses upon the implications of online media in these settings.

**Prerequisite:** SPEE 200

**SPEE 321 (3-3-0) Group Discussion:** Training and practice in the effective exchange of opinions on selected topics, with emphasis on studying group interactions during the process of discussion and observing the effects of parliamentary procedures on the conduct of groups in discussion.

**Prerequisite:** SPEE 200

**SPEE 332 (3-3-0) Problems in Media Communication:** This course will examine contemporary problems of mediated communication, including gatekeeping, propaganda, agenda setting, cultural transmission, regulation and censorship, regulation and censorship, and commercialization. Students will examine the discursive implications of newspaper, radio, television, film, computer, polling, and advertising technologies. Students will assume a rhetorical perspective to evaluate the role of these technologies in shaping public opinion and our perceptions of reality.

**Prerequisite:** SPEE 200

**SPEE 340 (3-3-0) Language Development:** A study of the development of speech and language in young children, with emphasis on theories of speech and language development and on the acquisition and

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refinement of speech patterns.

**Prerequisite:** SPEE 200

**SPEE 350 (3-3-0) Speechwriting:** A comprehensive look at the history of and current trends in speechwriting in America with an emphasis on persuasion and the strategic employment of language. Students will learn and practice the art of effective speechmaking by studying both effective and inadequate models of oratory. Students will learn how to prepare various types of speeches for a variety of audiences and rhetorical situations, including how to manage new technologies in those situations.

**Prerequisite:** SPEE 200

**SPEE 390 (3-3-0) Communication Theory:** Theoretical paradigms within the communication discipline are surveyed with attention given to the assumptions that undergird theoretical traditions and the types of research questions that can be studied from within different theoretical perspectives. Several traditional theoretical perspectives are presented, including Aristotelian analysis, symbolic interactionism, pragmatism, and technological determinism, along with modern theoretical approaches such as constructivism, discourse theory, and critical cultural approaches.

**Prerequisite:** COMM 205

**SPEE 401 (3-3-0) Argumentation and Debate:** A study of the process of argumentation, with special attention to the structure of argument, reasoning, and the nature of evidence.

**Prerequisite:** SPEE 310

**SPEE 402 (3-3-0) Basic Speech and Hearing Science:** A study of sound and speech production, transmission, interference, and reception, with emphasis on the physical attributes of sound duration, intensity, frequency, and on psychological auditory phenomena.

**Prerequisite:** SPEE 211

**SPEE 413 (3-3-0) Anatomy and Physiology of the Speech and Hearing Mechanism:** A study of the anatomical structures and the physiological processes required in the production and reception of speech.

**Prerequisite:** SPEE 211 And SPEE 300

**SPEE 420 (3-3-0) Senior Seminar:** A study of selected topics in speech and theatre, with completion of a major research project required.

**SPEE 425 (3-3-0) Rhetorical Theory and Criticism:** This course focuses on basic rhetorical theory and a variety of rhetorical criticism methodologies. Students will study the importance of rhetoric as the field of study that investigates all forms of public persuasion. Students will learn about rhetoric as one of the oldest public professions and academic fields of study, the evolution of thought regarding rhetoric in society, how to conduct research in the field of communication using a rhetorical approach to communication, and how to apply these basic concepts in their own communication activities.

**SPEE 430 (3-3-0) Intercultural Communication:** The course provides basic principles and rules for understanding intercultural communication and provides instruction on how to apply the principles when communicating in intercultural situations. The course also provides a wide range of examples and cases of communication practices in different cultures to increase the student's knowledge base about communication diversity in the world.

**Prerequisite:** SPEE 200 And COMM 205

**SPEE 435 (3-3-0) Communication, Technology, and Society:** This reading and discussion course is designed to examine the connections among communication, technological development, and society. Students will explore how persuasive communication has affected our perception and employment of

technology in society and how those technologies have, in turn, affected public discourse and interaction. Students will adopt a rhetorical perspective in evaluating and understanding classical primary and secondary readings in technological and scientific discourse.

**Prerequisite:** SPEE 200

**SPEE 490 (3-3-0) Communication Research Methods:** The course provides general knowledge about a variety of communication research methods, including survey research, experimental research, content and interaction analysis, rhetorical analysis, conversation analysis, and ethnographic research. Students select one research method on which to focus and complete an original project.

**STAT 202 (3-3-0) Basic Probability and Statistics:** An introduction to the study of probability and statistical inference.

**Prerequisite:** MATH 123

**STAT 301 (3-3-0) Introduction to Probability:** An introduction to the mathematical theory of probability, including such topics as random variables, distributions (normal, binomial, Poisson, and related ones), moment generating functions, and applications of probability theory.

**Prerequisite:** MATH 241

**STAT 302 (3-3-0) Mathematical Statistics:** A study of probability distributions of random samples, the theory of point and interval estimation, hypothesis testing, and decision theory concepts.

**Prerequisite:** STAT 301

**STAT 315 (3-3-0) Introduction to Regression Analysis:** A course including such topics as simple linear regression: the error model, algebraic derivation of least square estimators, estimating  $s^2$ , confidence interval for  $\beta_1$ ,  $\beta_2$ , hypothesis testing for  $\beta_1$ ,  $\beta_2$ , the ANOVA approach to testing, assessing model validity, transformations, residual plots; multiple regression: the general linear model, least square estimation, prediction, residuals; Logistic regression.

**Prerequisite:** STAT 202

**STAT 400 (3-3-0) Applied Statistics:** A course incorporating the use of statistical software packages and including discussions of such topics as descriptive statistics, statistical inference, inference from a single sample, samples from two populations, one-way analysis of variance, linear regression and correlation, multiple regression, two-way analysis of variance, fixed effects models, factorial designs, and hierarchical or nested design.

**STAT 401 (3-3-0) Intermediate Probability:** An intermediate-level study of such topics as conditional probability, basic classical theorems, methods of convergence, central limit theorem, and characteristic functions.

**Prerequisite:** STAT 301

**STAT 402 (3-3-0) Intermediate Probability:** An intermediate-level course including such topics as the axiomatic treatment of the fundamentals of probability and distribution theory, characteristic functions (random variables, convergence, and approximation), and common distributions.

**Prerequisite:** STAT 301

**STAT 412 (3-3-0) Operations Research:** A review of topics pertaining to deterministic and probabilistic models of operations research, including linear programming, queuing theory, inventory models, and Markov chains.

**Prerequisite:** STAT 301

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**STAT 415 (3-3-0) Applied Time Series Analysis:** A study of stationary stochastic processes, auto-regressions and ARMA-processes, parameter estimation and model selection for time series, trends and seasonality, forecasting by exponential smoothing and the Box-Jenkins method, linear filters.

**Prerequisite:** STAT 301 And STAT 315

**STAT 421 (3-3-0) Quality Control:** A study of the construction of control charts for variables, attributes, and tolerances; sampling techniques; and current techniques in quality control methodology.

**STAT 422 (3-3-0) Statistical Methods for Research:** A course incorporating the use of statistical software packages for the study of probability distributions, measurements of precision and accuracy, control charts, confidence intervals, tests of significance, analyses of variance, multiple correlation and regression, design and analysis of experiments.

**Prerequisite:** STAT 400

**SWRK 220 (3-3-0) Introduction to Human Services:** A course introducing the theoretical concepts, policies, programs, roles, goals, and historical development of human services. The course examines issues, causes, and solutions to human services problems within the fields of social work, criminal justice, psychology, and sociology, with emphasis on human relationship skills fundamental to social work.

**SWRK 230 (3-3-0) Introduction to Social Work:** A study of the historical development of social welfare, social work, and various social services. The course will also focus on the nature, causes, and extent of major social problems, and will provide case examples of how people are affected by such problems. Emphasis will be placed on various counseling techniques, analysis of social policy issues, and the roles, functions, and responsibilities of the social work domain.

**SWRK 330 (3-3-0) Human Behavior and the Social Environment:** This course provides an understanding of the developmental stages of the individual and the relationship between human growth, development and the environment. Knowledge and understanding of biological, psychological and social systems relationships; cultural norms; and the significance of interaction with the family, group and the community are stressed.

**Prerequisite:** SWRK 230

**SWRK 340 (3-3-0) Social Welfare and Services:** The course will focus on the historical, philosophical and political development of the social welfare system in the United States, including current policies and programs. The course will provide an examination of policies, processes and issues associated with decision-making and services within the welfare sector.

**Prerequisite:** SWRK 230

**SWRK 400 (3-3-0) Interviewing Skills:** An introduction to the interviewing process as a basic tool in social work practice, with emphasis on understanding and using a variety of techniques, methods, and skills in conducting social work interviews, understanding one's self as the interviewer, understanding attitudes in the interview process, and understanding the implications of cultural backgrounds in the interview

**SWRK 410 (3-3-0) Social Work Practice:** A course designed to provide an analysis of the theoretical, methodological and practical knowledge necessary for entry-level practice in social work. Issues and topics covered include interviewing skills, group work, community practice, assessment, cross-cultural social work, contemporary theories of counseling and working with systems.

**Prerequisite:** SWRK 230 And SWRK 330 And SWRK 340

**SWRK 425 (3-1-6) Social Work with Families:** A course incorporating the study and analysis of problems and concerns faced by social workers in working effectively with families, including the integration of social



work policy, human behavior and social work practice. Issues covered include functions and changes in the family and the theoretical framework of family systems theory, systems theory, and the ecological treatment and modalities.

**Prerequisite:** SWRK 230

**SWRK 450 (3-1-6) Field Practicum:** A seminar course and supervised field experience in selected human service agencies in the application of social work principles, knowledge and techniques to various areas of social services with supervision and evaluation under the direction of the instructor and various agency field instructors in the community.

**Prerequisite:** SWRK 230 And SWRK 330 And SWRK 340 And SWRK 410

**THEA 203 (3-3-0) Introduction to Theatre:** An introduction to the study of drama and to the art and craft of the theatre, with special attention to the role of the theatre in modern society. Work with FSU Theatre Company productions.

**THEA 221 (3-3-0) History of Theatre I:** An historical survey of the development of the theatre from its origins to 1650, including studies of representative dramas in their cultural contexts, with analyses of the audiences, actors, and patrons; physical conditions and architecture; and the relationship of the theatre to the other arts.

**THEA 222 (3-3-0) History of Theatre II:** A continuation of the history of theatre from 1650 to the present.

**THEA 230 (3-3-0) Script Analysis:** A study of the play, from page to stage, with emphasis on critical analysis of structure, genre, theme, style, character, language, dramatic event, and point of view of the actor, director, critic, and audience; an introduction to theatre research methods.

**Prerequisite:** THEA 203

**THEA 306 (3-3-2) Fundamentals of Acting:** A study of the fundamentals and techniques of acting, including creative techniques in scene study from representative plays of the past and present. Work with FSU Theatre Company.

**Prerequisite:** THEA 203

**THEA 310 (3-3-0) Acting for the Media:** Instructions and practice in the basics of acting for TV and film; playing to the camera, shooting out of sequence, blocking, and other production considerations. The business of film/TV acting will be explored to define the necessary adjustments of one's acting styles to be a successful actor on camera.

**Prerequisite:** THEA 203 And THEA 306

**THEA 316 (3-2-2) Introduction to Costume and Make-up:** An introduction to the study of historical costumes and theatrical make-up, with applications to stage productions. Work with the FSU Theatre Company.

**Prerequisite:** THEA 203

**THEA 320 (3-3-2) Playwriting:** Writing for the stage, including plot construction and character development, and the adaptation of playwriting to other media, with particular attention given to television.

**Prerequisite:** THEA 203

**THEA 333 (3-2-2) Play Directing:** A comprehensive study of the fundamentals of play directing, including composition, picturization, movement, rhythm, and pantomimic dramatization, with additional attention to script analysis, casting, rehearsing, and relationships of the director to other theatre practitioners. Work with

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the FSU Theatre Company.

**Prerequisite:** THEA 203

**THEA 334 (3-3-0) Theatre Management:** A study of the tools of theatre management, with emphasis on box office management, promotion costs, and the responsibilities of production staff. Promotion work with the FSU Theatre Company productions.

**Prerequisite:** THEA 203

**THEA 336 (3-1-4) Stagecraft:** A study of the theory and practice of stage production and design, scene construction and painting. Includes lectures, demonstrations, and practical experience by involvement with the FSU Theatre Company.

**Prerequisite:** THEA 203

**THEA 337 (3-1-4) Scene Technology:** For stage and studio. Basic theory and practice of scenery and lighting technology for both stage and film/video studio. Lectures and demonstrations are supplemented with practical experience by involvement with the FSU Theatre Company and the Telecommunication Center.

**Prerequisite:** THEA 203

**THEA 338 (3-3-0) Stage Movement:** Designed to acquaint students with forms of nonverbal communication and specialized physical activity in theatrical periods and styles. The course includes an analysis of personal body use, studies of theories and techniques of movement designed to improve an actor's physical expressiveness, as well as movement skills such as stage combat, tumbling, period physical styles, and techniques including mask and mime work, yoga, and dance, as well as Alexander, Laban and LeCoq approaches to movement.

**Prerequisite:** THEA 306

**THEA 360 (2-1-3) Performance Laboratory:** This theatre class is designed as a practical lab in improvisation and performance to include acting tools such as dialects, scene study, pantomime, character analysis, clowning, speech for the actor, period styles of acting, and theatre management will be practiced. This course may be taken once per semester for up to six times. Credit is offered for participation in the FSU Performance Company, whose principal objectives involve refining the drama learning process through performances made available to the county public schools. Offered each fall and spring. Conditions for admittance into the performance company based upon audition.

**Prerequisite:** THEA 306

**THEA 402 (3-1-4) Advanced Acting:** A study of the styles of acting, with special emphasis on historical period acting. Completion of THEA 306, Fundamentals of Acting, and ENGL 411, Shakespeare, recommended before taking THEA 402. Work with the FSU Theatre Company.

**Prerequisite:** THEA 203

**THEA 403 (3-2-2) Stage Design:** History and principles of designing the environment for stage and studio productions. Work with the FSU Theatre Company and TV studio productions where applicable.

**Prerequisite:** THEA 337

**THEA 411 (3-3-0) Children's Theatre for School and Community:** A study of materials, procedures, and exercises for creative dramatics, choral speaking, puppetry, and formal dramatics. Recommended for prospective and in-service teachers on the elementary level and for community workers with children.

**Prerequisite:** THEA 203

**THEA 413 (3-3-0) Drama Theory and Criticism I:** A survey of European theories of the drama and the effect of these theories on criticism, dramaturgy, and production from the classical Greek period through the

French Academy.

**Prerequisite:** THEA 203

**THEA 414 (3-3-0) Drama Theory Criticism II:** A continuation of THEA 413, beginning with the eighteenth century. Study of the impact that these theories have on criticism, dramaturgy, production, and acting.

**Prerequisite:** THEA 203

**THEA 420 (3-3-0) African American Theatre:** A study of the theory and practice of African American Theatre, focusing on its evolution as well as the contemporary African American Theatre.

**Prerequisite:** THEA 203

**THEA 421 (3-0-6) Play Production:** A seminar and laboratory in directing plays, with special emphasis on each student's directing a one-act play for public presentation.

**Prerequisite:** THEA 203 Or THEA 333

**THEA 430 (3-0-6) Theatre Internship:** Practical work experience in selected area in conjunction with professional theatre companies. Available to advanced theatre majors or students in special programs as juniors or seniors who have strongly demonstrated the ability to work independently.

**Prerequisite:** THEA 203 And THEA 306

**UNIV 101 (1-0-1) Freshman Seminar I:** The first half of a year-long, interdisciplinary introduction to the university experience, including university history, policies, and resources; reading and study skills; use of electronic mail and the Internet; academic and career planning; money management; and discussions of selected topics in literature, science, business, education, politics, economics, and philosophy. Based on profile examination scores, students may be required to complete additional work in the Reading Laboratory.

**UNIV 102 (1-0-3) Freshman Seminar II:** The second half of a year-long, interdisciplinary introduction to the university experience, including university history, policies, and resources; reading and study skills; use of electronic mail and the Internet, academic and career planning; money management; and discussions of selected topics in literature, science, business, education, politics, economics, philosophy, and other topics. Based on profile examination scores, students may be required to complete additional work in the Reading Laboratory.

**UNIV 110 (2-0-2) University Studies:** An interdisciplinary introduction to the university experience, with emphasis on reading, discussions, and critical assessments of selected topics in literature, science, business, education, politics, economics, and philosophy. Students are introduced to FSU history, policies, procedures, resources, and support services. This course is required of transfer students who enter the university with fewer than 30 transfer credits.

**YORU 110 (3-3-0) Elementary Yoruba I:** The course is an introduction to Yoruba, and is intended for students with no prior knowledge of the language and culture of Yorubaland. It is designed to introduce the learner to the fundamentals of Yoruba ? the language, the culture, and the people. The course emphasizes spoken and written Yoruba, as used in present day West Africa.

**YORU 120 (3-3-0) Elementary Yoruba II:** A continuation of YORU 110. The course covers materials beyond the elementary ones included in YORU 110. The course emphasizes contemporary spoken and written Yoruba, as used in present day West Africa.

**Prerequisite:** YORU 110

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**ZOOL 110 (4-3-2) General Zoology:** A study of concepts of animal biology relative to structure, function, ecology, heredity, and embryogenesis, with emphasis on the evolution and characteristics of major animal phyla, and with two (2) hours of laboratory studies relative to basic concepts of animal biology.

**Prerequisite:** BIOL 150

**ZOOL 210 (3-2-2) Anatomy and Physiology I:** A systematic study of the structures and functions of musculoskeletal, neural, and integumentary systems of the human body, with two (2) hours of laboratory studies on the structures and functions of the human body's composite systems.

**Prerequisite:** (BIOL 110 And BIOL 130) Or BIOL 150

**ZOOL 230 (3-2-2) Anatomy and Physiology II:** A systematic study of the structures and functions of the endocrine, circulatory, digestive, respiratory, excretory, and reproductive systems of the human body, with two (2) hours of laboratory studies on the structure and function of the human body's composite systems.

**Prerequisite:** ZOOL 210

**ZOOL 350 (3-2-2) Comparative Anatomy:** A comprehensive study of the anatomy of chordates, with two (2) hours of laboratory studies consisting of anatomical systems of representative chordates.

**Prerequisite:** BIOL 200

**ZOOL 370 (3-2-2) Vertebrate Physiology:** A study of the functions and functional relationships of organs and organ systems of vertebrates, especially humans, with two (2) hours of laboratory studies consisting of an introduction to laboratory techniques used for studying the physiology of vertebrates.

**Prerequisite:** BIOL 200

**ZOOL 410 (3-2-2) Principles of Genetics:** A study of the functions and functional relationships of organs and organ systems of vertebrates, especially humans, with two (2) hours of laboratory studies consisting of an introduction to laboratory techniques used for studying the physiology of vertebrates.

**Prerequisite:** ZOOL 110 And BOTN 210

**ZOOL 430 (3-2-2) Animal Development:** A study of principles of animal development, including cellular and tissue assembly, embryogenesis, and reconstitutive development, with two (2) hours of laboratory studies consisting of descriptive and experimental studies of the development of representative vertebrate embryos.

**Prerequisite:** ZOOL 370

**ZOOL 450 (3-2-2) Histology and Microtechniques:** A study of the microscopic anatomy of cells, tissues, and organs, embracing both morphological and physiological aspects of normal human structures, with two (2) hours of laboratory studies consisting of a introduction to histological techniques employing the use of permanently fixed and stained slides and to the preparation of tissues in a manner suitable for viewing with a compound microscope.

**Prerequisite:** ZOOL 370

**ZOOL 470 (3-2-2) Introduction to Entomology:** A study of the evolution, anatomy, development, ecology, and systematics of insects, the role of insects as vectors of diseases; and the influences of insects on history and culture, with two (2) hours of laboratory studies in insect physiology, morphology, ecology, and behavior, and with an assigned project on the identification of local insects.

**Prerequisite:** ZOOL 110

**ZOOL 485 (3-2-2) Introduction to Parasitology:** A study of the biology of parasites, their host relationships, and their importance to humankind, unicellular and multicellular parasites of human being and other animals, with two (2) hours of laboratory studies involving including both unicellular and multicellular

parasites of human beings and other animals.

**Prerequisite:** ZOOL 110