

UNDERGRADUATE ACADEMIC PROGRAMS

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ACADEMIC PROGRAMS

BACCALAUREATE DEGREE PROGRAMS AND AREAS OF STUDY	
<p>American Indian Studies, B.A. American Studies, B.A. (see History) Art, B.A. Studio Art Art Education Licensure (K-12) Biology Biology, B.S. Botany Molecular Biology Zoology Biomedical Emphasis Medical Technology Emphasis Biology Education Licensure Environmental Biology Science Education, B.S. Business Administration Business Administration, B.S. Finance Management Marketing Economics Applied Business Accounting, B.S. Chemistry and Physics Chemistry, B.S. Professional Concentration Molecular Biotechnology Biomedical Emphasis Medical Technology Forensic Chemistry Applied Physics, B.S. Science Education, B.S. Education Elementary Education, B.S. Middle Grades Education, B.S. Language Arts, Mathematics, Science, Social Studies Special Education, B.S. Learning Disabilities Mental Retardation Birth - Kindergarten Education, B.S. English, Theatre, and Languages English, B.A. English English Education Licensure Theatre Arts</p>	<p>Health, Physical Education, and Recreation Physical Education, B.S. Health and Physical Education Physical Education Licensure (K-12) Recreation Management/ Administration Community Health Education, B.S. History History, B.A. History Social Studies Education Licensure American Studies, B.A. Mass Communications, B.S. Broadcasting Journalism Public Relations Mathematics and Computer Science Mathematics, B.S. Mathematics Mathematics Education Licensure Computer Science, B.S. Music Music, B.M. (with Licensure K-12) Vocal Emphasis Instrumental Emphasis Keyboard Emphasis/Vocal Keyboard Emphasis/Instrumental Music, B.M. Musical Theatre Music, B.A. Music Music: Emphasis in Music Industry Nursing, B.S.N. (for Registered Nurses) Philosophy and Religion, B.A. Political Science and Public Administration Political Science, B.A. Political Science Pre-Law Public Administration International Studies Psychology and Counseling Psychology, B.S. Science Education, B.S. (see Biology, Chemistry & Physics) Sociology, Social Work, & Criminal Justice Sociology, B.A. Sociology Medical Sociology Criminal Justice, B.A. Social Work, B.S.W.</p>

REQUIREMENTS AND OPTIONS FOR A BACCALAUREATE DEGREE

To earn a baccalaureate degree from the University of North Carolina at Pembroke, students must earn between 120 and 128 hours of course credit in a program of study that includes a Freshman Seminar (FRS 100), required of all freshmen during their first 15 hours, a General Education program of 44 hours, and at least one academic major.

UNC Pembroke operates on the traditional two-semester system and offers an extensive summer program designed to permit the academic acceleration of regular university students and to serve the needs of public school teachers. Summer Session is divided into two terms.

REQUIREMENTS FOR A MAJOR

A major is a planned program of study of between 30-50 semester hours of course credit, exclusive of courses applied to satisfy General Education requirements. At least 15 hours of credit must be in courses numbered above 299.

Detailed requirements for majors have been established by each department and can be found in the sections of this catalog describing undergraduate programs of study in the College of Arts and Sciences, the School of Business Administration, the School of Education, and the Nursing Program.

REQUIREMENTS FOR A DOUBLE MAJOR

A student may elect to earn majors in two separate disciplines on the condition that the student meets all requirements for each major. The student who completes requirements for more than one major will receive only one degree, but at the time of initial graduation, the record will indicate both majors.

REQUIREMENTS FOR A SECOND BACCALAUREATE DEGREE

A student with a bachelor's degree may receive a second baccalaureate degree if it is a different degree and a different major by fulfilling the following requirements:

- (1) The student must meet all the requirements for the second degree and major.
- (2) The student must complete a minimum of 30 hours in residence beyond the requirement for the first degree.

SPECIAL PROGRAMS AND INTERDISCIPLINARY PROGRAMS

Students earning a baccalaureate degree may take advantage of one or more special programs. Teacher Education and Health Professions Programs are described below. The Night Program is described under the School of Business Administration.

The following programs are described in detail in the Special Programs and Interdisciplinary Majors and Minors section of this catalog.

SPECIAL PROGRAMS and INTERDISCIPLINARY MAJORS and MINORS	
University Honors College Program Teaching Fellows Program Summer Research Opportunities Program College Opportunity Program Aerospace Studies (Air Force ROTC) and Military Science (Army ROTC) (School of Education)	American Studies Major and Minor African American Studies Minor Applied Gerontology Minor Personnel and Organizational Leadership Minor Substance Abuse Minor World Studies Minor

ACADEMIC CONCENTRATIONS

In addition to majors and minors, a number of departments offer academic concentrations. These concentrations require from 24 to 27 semester hours, depending on departmental requirements. Teacher Education majors subject to The University of North Carolina requirement for completion of a concentration in a basic academic discipline may select one of these academic concentrations to fulfill that requirement or may choose to earn a second major of 30 hours in Philosophy and Religion. Any student may elect to complete an academic concentration in addition to a major. Students considering academic concentrations should consult the appropriate academic department in the College of Arts and Sciences section.

ACADEMIC PROGRAMS

ACADEMIC CONCENTRATIONS (for Education majors and all students)	
American Indian Studies American Studies Art Biology English Geography Geology History	Mathematics Music Physics Political Science Psychology Sociology Spanish

REQUIREMENTS FOR A MINOR

A recognized minor ordinarily consists of 18 to 21 semester hours of courses. With the approval of the department granting the minor, up to six hours of the courses counted toward a minor may be used to satisfy General Education, major requirements, or requirements of an additional minor. The award of a minor requires a minimum cumulative QPA of 2.0 in the minor and the formal approval of the department concerned. Successful completion of a minor will be noted on the student's official transcript. Student participation in minor programs will be optional. For more information see departments in undergraduate programs sections or, for *interdisciplinary minors, see Special Programs.

ACADEMIC MINORS		
*African American Studies American Indian Studies *American Studies *Applied Gerontology Art Athletic Coaching Business Administration Community Health Education Computer Science Criminal Justice Economics Geography Geology History Jazz Studies	Journalism Language Legal Studies Literature Marketing Mathematics Medical Sociology Music *Personnel & Organizational Leadership Philosophy Physical Education Physics Political Science Psychology	Public Policy & Administration Public Relations Recreation Religion Sacred Music Social Welfare Sociology Spanish Speech *Substance Abuse Theatre *World Studies Writing

FRESHMAN SEMINAR

Coordinator: Jonathan Maisonpierre

A university education requires attitudes and skills that go far beyond what students have needed previously. One of its most distinctive features is its direct confrontation with the limitations of human knowledge. In high school we relied on teachers and textbook writers to decide difficult issues; at the University we move into a domain where experts routinely disagree and many issues have no simple answers. Out of this experience, we learn a new respect for skepticism, open-mindedness, and our own creativity.

The University also introduces us to much greater personal freedom and independence. We move away from the security of our families into the world of college life. This change forces us to budget our own time and to sustain our own motivation for achievement.

Finally, the content of a university curriculum is more difficult to comprehend and retain than anything we have faced before. We read technical, specialized material and learn words we have never seen. We are asked to identify key ideas on our own and to review for comprehensive examinations.

All of these considerations suggest that new students should receive special instruction preparing them for the unique challenges of university life. Accordingly, The University of North Carolina at Pembroke has developed a course entitled Freshman Seminar (FRS 100). This course is a regular academic endeavor, with lectures, examinations, and academic credit. Its content is summarized in the description presented below. Students are encouraged to participate actively in this course and to prepare carefully for its examinations. Such effort may prove more valuable than any other activity undertaken during one's first months at the University.

A grade of "C" (2.0) or better must be earned in order to satisfy the Freshman Seminar requirement.

COURSE (FRS)

FRS 100. Freshman Seminar

General introduction to the academic substance, study methods, and special adjustment problems of university life. Conducted by faculty and staff from various departments. Required of all incoming freshmen during their first fifteen credit hours of course work at the University. Fall, Spring. Credit, 1 semester hour.

GENERAL EDUCATION PROGRAM

Graduation from The University of North Carolina at Pembroke is based on successful completion of General Education, which is required for all baccalaureate degrees, and upon successful completion of a specialized program for a major.

OBJECTIVES FOR GENERAL EDUCATION

The University of North Carolina at Pembroke seeks to graduate students with broad vision, who are sensitive to values, who recognize the complexity of social problems, and who will be contributing citizens with an international perspective and an appreciation for achievements of diverse civilizations. In addition to meeting all major program requirements, students awarded baccalaureate degrees by The University of North Carolina at Pembroke are required to complete a 44-hour General Education program. The General Education program has been designed to provide students with an understanding of the fundamental principles and contributions of a variety of disciplines and to foster the ability to analyze and weigh evidence, exercise quantitative and scientific skills, make informed decisions, write and speak clearly, and think critically and creatively. The specific areas of student learning are:

I. Academic Skills

Communication—The UNCP graduate should communicate effectively in writing and in speaking.

Critical Thinking—The UNCP graduate should read analytically and think critically.

Problem Solving—The UNCP graduate should, using technology where appropriate, be able to

- * identify and define a problem,
- * collect and organize information necessary to solve a problem,
- * select and conduct appropriate analysis to solve a problem, and
- * make decisions based on evidence and reasoning.

II. Knowledge and Applications

Arts, Literature, History, and Ideas—The UNCP graduate should demonstrate knowledge of, appreciation for, and understanding of contributions to society of:

- * the fine and performing arts,
- * the major literary works,
- * major world civilizations and their histories, and
- * major philosophic and religious belief systems.

Individual and Society—The UNCP graduate should demonstrate knowledge of:

- * human behavior, cultures, and societies,
- * social, political and economic institutions and relationships, and
- * geographical concepts.

Mathematics, Science, and Technology—The UNCP graduate should:

- * apply mathematical principles, concepts, and skills to meet personal and career demands,
- * demonstrate knowledge of the purpose, methods and principles of scientific inquiry,
- * better understand self and environment through knowledge of scientific principles and concepts, and
- * demonstrate knowledge of the effects of technology upon the physical and human environment.

III. Education for Life

Lifelong Learning—The UNCP graduate should demonstrate an appreciation of the need for the lifelong pursuit of additional skills and knowledge as an educated and informed citizen and demonstrate a sensitivity to the arts as essential to a full life.

Wellness—The UNCP graduate should demonstrate a knowledge and appreciation of the basic principles of wellness.

Cultural Diversity—The UNCP graduate should demonstrate a sensitivity to rights and views of others, an appreciation of various cultures, and an active concern for the well-being of others.

Values—The UNCP graduate should demonstrate knowledge of how values are formed and how they influence personal and societal actions.

GENERAL EDUCATION REQUIREMENTS (44 Hours Total)

For some majors, certain courses may count toward both General Education and Major requirements. Some courses have prerequisites. **Ask your advisor for assistance** in selecting appropriate courses.

I. Communication Skills (6 or 9 hours)

ENG 105 Composition I

ENG 106 Composition II

A full-time student must enroll in ENG 105, Composition I, immediately and must earn a “C” (2.0) grade or better before enrolling in ENG 106, Composition II. A student must remain continuously enrolled in ENG 105 and 106 until he or she has earned a “C” (2.0) grade or better in ENG 106.

All entering freshmen and all freshmen transfers must complete the ENG 105 and 106 sequence successfully before they earn a total of 60 credit hours. All students who transfer with 30 credits or more must complete ENG 106 during their first 30 semester hours at UNCP. Students who have not completed their composition courses at the end of the allotted time will no longer be permitted to register for 300 or 400 level courses. If they attempt to do so, the registrar’s office will cancel their registration and require them to register only for courses below the 300 level until they receive a “C” (2.0) in ENG 106. (The Enrollment Management Subcommittee of the Faculty Senate, or in emergencies the Assistant Vice Chancellor for Academic Affairs, will consider exceptional cases.)

SPE 102 Fundamentals of Voice and Diction.

All entering freshmen are required to take this course unless they test out of it.

II. Academic Content and Skills

A. Arts and Humanities Division (12 hours): Choose one course from each of these four areas:

(1) **Fine Arts**

ART	205	History and Appreciation of Art
THE	250	Introduction to Theatre
MUS	102	Introduction to Music Appreciation
MUS	104	Introduction to Jazz Appreciation
MUS	295	Music History and Literature I

(2) **Literature** (completion of ENG 105 and 106 with a 2.0 is prerequisite for these courses)

ENG	201	Southern Literature
ENG	202	Contemporary Literature
ENG	203	Literary Genres
ENG	205	World Literature Before 1660
ENG	206	World Literature After 1660
ENG	208	Women’s Literature
ENG	209	Literature and Film
ENG	210	African American Literature
ENG(AIS)	220	Native American Literature
ENG	223	American Literature Before 1865
ENG	224	American Literature After 1865
ENG	247	British Literature Before 1790
ENG	248	British Literature After 1790

(3) **History**

HST	101	American Civilization to 1877
HST	102	American Civilization since 1877
HST(AIS)	110	History of the American Indian to 1865
HST(AIS)	111	History of the American Indian since 1865
HST	114	World Civilizations to 1500
HST	115	World Civilizations since 1500

(4) Philosophy and Religion

PHI	100	Introduction to Philosophy
PHI	101	Introduction to Logic
PHI	204	Introduction to Ethics
REL	130	Introduction to Religion

B. Social Science Division (9 hours): Choose one course from each of **three** of five areas:**(1) Economics**

ECN	100	Economic Perspectives
ECN	202	Principles of Microeconomics
ECN	203	Principles of Macroeconomics

(2) Geography

GGY	101	Principles of Geography
GGY	102	World Regional Geography
GGY	200	Cultural Geography
GGY(ECN)	206	Economic Geography

(3) Political Science

PSPA	100	Introduction to Political Science
PSPA	101	Introduction to American National Government

(4) Psychology

PSY	101	Introductory Psychology
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(5) Sociology

SOC	101	Introduction to Modern Sociology
SOC (AIS)	105	Introduction to Cultural Anthropology
SOC	201	Sociological Concepts

University Honors College students only may substitute for courses in two disciplines:

HON	100	Current World Problems
HON	275	Frontiers in Human Behavior

C. Natural Sciences and Mathematics Division (9 hours)

Natural Science (6 hours); choose one course from two (2) of the four (4) areas. Students selecting Physical Science 110 must select the other course from either Biology or Earth Science.

(1) Biology

BIO	100	Principles of Biology
BIO	103	Basic Human Biology
BIO	210	Environmental Biology

(2) Chemistry

CHM	130	General Chemistry I
CHM	140	Chemistry for Health Sciences I

(3) Earth Science

GLY(GGY)	115	Earth Science
GLY(GGY,PHS)	246	Weather and Climate

(4) Physical Science

PHS	110	Physical Science I
PHS	156	Astronomy
PHY	100	Elementary Physics I
PHY	150	College Physics I
PHY	200	University Physics I

University Honors College students only may fulfill one natural science course requirement with:

HON	151	Contemporary Issues in Science and Technology
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Mathematics (3 hours); choose one course from those listed below

MAT	105	Introduction to College Mathematics
MAT	107	College Algebra
MAT	108	Plane Trigonometry
MAT	109	College Algebra and Trigonometry
MAT	221	Calculus I

III. Physical Education and Wellness (2 hours)

Choose two of the following courses:

PED 101	Wellness and Fitness	PED 139	Racquetball
PED 130	Fitness Walking	PED 141	Physical Conditioning
PED 131	Archery	PED 145	Volleyball
PED 132	Badminton	PED 146	Weight Training
PED 133	Golf	PED 177	Advanced Physical Conditioning (Aimed at Varsity Athletes)
PED 134	Swimming	PED 179	Aerobic Dance
PED 135	Tennis	PED (MSC)180	Military Physical Training
PED 136	Soccer	PED 190	Outdoor Fitness
PED 137	Bowling	PED 195	Water Aerobics
PED 138	Rhythms & Dance		

IV. General Education Program Electives (6 hours, or 3 hours if SPE 102 required)

Choose **two** additional courses from those listed below. These two courses must be from different divisions except for the foreign language option. Students who take SPE 102 for Basic Skills take 3 hours of electives, which may not be SPE 100 or SPE 101.

Foreign Language Option

Students electing the foreign language option **MUST** complete two courses of the **same** foreign language to satisfy the Program Electives area of General Education.

FRH 131, 132	Elementary French	FRH 231, 232	Intermediate French
GER 131, 132	Elementary German	GER 231, 232	Intermediate German
ITL 131, 132	Elementary Italian		
SPN 131, 132	Elementary Spanish	SPN 231, 232	Intermediate Spanish

Arts and Humanities Division Elective

Fine Arts

ART	101	Elements of Design
ART	205	History & Appreciation of Art
THE	201	Elements of Acting
THE	250	Introduction to Theater
MUS	230	Introduction to Music Appreciation
MUS	235	Introduction to Jazz Appreciation
MUS	296	Music History & Literature II

Literature and Speech (a 2.0 in ENG 105 and 106 is prerequisite for the ENG courses)

ENG	201	Southern Literature
ENG	202	Contemporary Literature
ENG	203	Literary Genres
ENG	204	Mythology of All Peoples
ENG	205	World Literature Before 1660
ENG	206	World Literature After 1660
ENG	207	Studies in Literature
ENG	208	Women's Literature
ENG	209	Literature and Film
ENG	210	African American Literature
ENG(AIS)	220	Native American Literature
ENG	223	American Literature Before 1865
ENG	224	American Literature After 1865

ENG	247	British Literature Before 1790
ENG	248	British Literature After 1790
SPE	100	Interpersonal Communication
SPE	101	Fundamentals of Speech
History		
HST	101	American Civilization to 1877
HST	102	American Civilization since 1877
HST (AIS)	110	History of the American Indian to 1865
HST (AIS)	111	History of the American Indian since 1865
HST	114	World Civilizations to 1500
HST	115	World Civilizations since 1500

Philosophy and Religion

AIS	201	American Indian Culture
PHI	100	Introduction to Philosophy
PHI	101	Introduction to Logic
PHI (REL)	102	Perspectives on Humanity
PHI (REL)	202	Philosophy of Religion
PHI	204	Introduction to Ethics
PHI	205	Social and Political Philosophy
PHI	211	American Philosophy
REL	105	Introduction to the Old Testament
REL	106	Introduction to the New Testament
REL	130	Introduction to Religion
REL	209	Religion in America
REL (AIS)	213	American Indian Religious Traditions
REL	214	Introduction to Religious Ethics
REL	216	Religions of the Far East
REL	218	Religions of the Near East

University Honors College students only may take 1 as a Humanities Division Elective:

HON	200	Great Cultural Epochs I
HON	201	Great Cultural Epochs II

Social Science Division Elective**Economics**

ECN	100	Economic Perspectives
ECN	202	Principles of Microeconomics
ECN	203	Principles of Macroeconomics

Geography

GGY	101	Principles of Geography
GGY	102	World Regional Geography
GGY	200	Cultural Geography
GGY (ECN)	206	Economic Geography

Political Science

PSPA	100	Introduction to Political Science
PSPA	101	Introduction to American National Government

Psychology

PSY	101	Introductory Psychology
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Sociology

SOC	101	Introduction to Modern Sociology
SOC (AIS)	105	Introduction to Cultural Anthropology
SOC	201	Sociological Concepts

Natural Science and Mathematics Division Elective**Natural Science**

BIO	100	Principles of Biology
BIO	101	General Botany
BIO	102	General Zoology
BIO	103	Basic Human Biology

BIO	210	Environmental Biology
CHM	130	General Chemistry I
CHM	131	General Chemistry II
CHM	140	Chemistry for Health Sciences I
CHM	141	Chemistry for Health Sciences II
GLY	100	Physical Geology
GLY (GGY)	115	Earth Science
GLY (GGY)	125	Earth History
GLY	226	Physical Oceanography
GLY (GGY,PHS)	246	Weather and Climate
GLY (GGY)	262	Environmental Geology
PHS	110	Physical Science I
PHS	111	Physical Science II
PHS	156	Astronomy
PHY	100	Elementary Physics I
PHY	101	Elementary Physics I
PHY	150	College Physics I
PHY	151	College Physics II
PHY	200	University Physics I
PHY	201	University Physics II

University Honors College students only may take the following as a Divisional Elective

HON	150	Modeling and Analysis of Natural Systems
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Mathematics and Computer Science

CSC	202	Microcomputer Programming
MAT	105	Introduction to College Mathematics
MAT	107	College Algebra
MAT	108	Plane Trigonometry
MAT	109	College Algebra and Trigonometry
MAT	118	Finite Mathematics
MAT	210	Introduction to Statistics
MAT	221	Calculus I
MAT	222	Calculus II

UNIVERSITY HONORS COLLEGE

Director: Carolyn R. Thompson

HONORS COUNCIL

Robert W. Brown, Chair	Elizabeth Normandy	Irene P. Aiken
Howard Ling	Preston Swiney	Elizabeth W. Maisonpierre
Thomas A. Dooling	Joseph W. Goldston	Abdul Ghaffar
William Gash	Bruce Blackmon	Susan Edkins
John McMillan	Diane Jones	Monika Brown

The University Honors College at UNC Pembroke recognizes and promotes the scholarly and personal growth of outstanding students. University Honors College students are provided interdisciplinary educational opportunities that enhance the general curriculum. These opportunities are developed around a learning community of honors students and include selected general education courses, small interdisciplinary seminars, cultural and service programs, and shared residential facilities with other honors students. The University Honors College offers an intellectually stimulating social environment; greater curricular flexibility; more personal contact and scholarly discussion with students and faculty from the various disciplines; and closer interaction with individual faculty members in the College. Each University Honors College student will prepare a senior project under the supervision of a faculty mentor.

University Honors College students are selected on the basis of class rank, high school grades, Scholastic Aptitude Test (SAT) scores or American College Testing (ACT) scores, and extra-curricular and community achievements. Students already enrolled at UNC Pembroke and transfer students are also eligible to apply for admission to the University Honors College. University Honors College students are appointed by the Director of the University Honors College upon the recommendation of the Honors Council.

To remain in the University Honors College, students are required to maintain a minimum overall quality-point average of 3.0 upon completion of the freshman year, 3.25 upon completion of the sophomore year, and 3.5 upon completion of the junior year. University Honors College students will receive a University Honors College diploma and will be recognized at commencement. To graduate with the University Honors College designation, the student must complete the University Honors College program.

University Honors College students will take several courses together during the freshman year prior to beginning their major course work. These courses include Honors English, Honors Biology, and one interdisciplinary seminar. University Honors College students will be required to take three additional interdisciplinary honors seminars during the freshman and sophomore years. During the junior and senior years, University Honors College students design, complete, and present their University Honors College Thesis/Project. All University Honors College students are advised by the Director of the University Honors College until they declare a major field of study.

The six HON seminars are usually offered according to the following schedule:

Fall: HON 100, 150, 200; Spring: HON 151, 201, 275

Transfer students and students entering the University Honors College as other than freshmen will also be expected to take the four honors seminars, so long as they can be fitted into the student's program of study. The number of honors courses that transfer students or non-freshmen will be required to take will be determined by the Director of the University Honors College, after consultation with the student and the Honors Council.

Honors Thesis/Project: All University Honors College students must complete HON 400 (Research Methods and Prospectus [one semester hour]) and HON 450 (Honors Thesis/Project [three semester hours]) prior to graduation. University Honors College students who elect to complete a senior Thesis/Project in their major department may substitute an equivalent departmental course for HON 450. The departmental Thesis/Project must meet the standards for the Honors Thesis/Project established by the Honors Council. The Honors Council and the Director of the University Honors College recommend that HON 400 should be taken during the fall semester of

the junior year. Students failing to complete the HON 400 course by the end of the junior year will not be continued on their academic scholarship. University Honors College students should plan on presenting their Thesis/Project at the end of the fall semester of the senior year. Requirements and procedures for the University Honors College Thesis/Project are outlined in *The Preparation of the University Honors College Thesis/Project*. Copies of this guide are available from the Director of the University Honors College or the Chair of the Honors Council.

The University Honors College is currently undergoing revision and restructuring. University Honors College students should therefore consult with the Director of the University Honors College or the Chair of the Honors Council concerning these revisions.

COURSES (HON)

HON 100. Current World Problems

Analysis of selected contemporary events from the points of view of history, political science, psychology, geography, economics, philosophy, religion, and sociology, in the light of weekly world developments. Emphasis upon the appreciation and development of logic and style in critical thought in considering international and domestic conflicts, human rights and institutional effectiveness, freedom and responsibility, and resources, technology, and the environment. Fall. Credit, 3 semester hours. Honors students receive General Education credit for a course in the Social Sciences Division.

HON 150. Modeling and Analysis of Natural Systems

Current approaches to mathematical modeling, data acquisition, and data analysis with respect to natural systems, emphasizing microcomputer applications to scientific problems. Students will gain experience in the use of available computational resources, including commercial software, microcomputers, and mainframe facilities. Fall. Credit, 3 semester hours. Honors students receive General Education credit for a course in the Divisional Electives area of Natural Sciences and Mathematics.

HON 151. Contemporary Issues in Science and Technology

An interdisciplinary examination of scientific and technological issues of current global significance. The scientific principles relating to each topic will be examined, followed by analysis of management possibilities and problems, technological applications, and implications for society. Where appropriate, laboratory experiences (both on and off campus) will be involved which expose the student to relevant techniques and methodology. Spring. Credit, 3 semester hours. Honors students receive General Education credit for a course in the Physical Science area of the Natural Sciences and Mathematics Division.

HON 200. Great Cultural Epochs I

Interdisciplinary examination of cultures in selected epochs from prehistory to the Baroque Era. Illustrative works and ideas from literature, art, music, religion, and philosophy, studied to characterize each period and its contribution to humanity's self-understanding. Fall. Credit, 3 semester hours. Honors students receive General Education credit for a course in the Divisional Electives area of Humanities.

HON 201. Great Cultural Epochs II

Interdisciplinary examination of cultures in selected epochs from the Baroque to the present. Antecedents and consequences of some focal cultural themes chosen for the semester, e.g. naturalism in European literature, the experience of the American frontier, the philosophy of the Age of Enlightenment, and political and social upheaval in the French Revolution. Spring. Credit, 3 semester hours. Honors students receive General Education credit for a course in the Divisional Electives area of Humanities.

HON 275. Frontiers in Human Behavior

Recent topics concerning advances in the study of human behavior are examined within a seminar format. Relevant readings are assigned on brain/behavior connections, social roles, and theories of personality. Class presentations and discussion form a major portion of the course. Honors students receive General Education credit for a course in the Social Sciences Division.

HON 400. Research Methods and Prospectus

Preparation of a prospectus for the thesis or project, in consultation with an advisor. Group discussion on the methodology, standards, and experience of research and criticism. Fall. Credit, 1 semester hour.

HON 450. Honors Thesis/Project

Preparation of a thesis or project in consultation with a faculty committee chosen by the student; presentation of the work in seminar. Independent study in the student's major is encouraged. Spring. Credit, 3 semester hours.

TEACHER EDUCATION PROGRAMS

The University offers teacher licensure programs through the School of Education and secondary licensure programs through departments in the College of Arts and Sciences.

For a description of the Teacher Education program and its requirements and policies, see the School of Education section.

The Teacher Education Program at UNCP is a cross-disciplinary program, governed by the Teacher Education Committee and administered by the Dean of the School of Education. General information about admission to the Teacher Education Program, policies and procedures, licensure and testing requirements, special programs, and resources appears in the School of Education section of this catalog. Please note that some licensure areas or majors are housed in the School of Education and some are housed in their respective academic departments in the College of Arts and Sciences. If you are looking for information about a specific program area, refer to the chart below to find out where it is housed and the name of the program coordinator.

Undergraduate Licensure Program Area	Location	Program Coordinator
Biology Education (secondary 9-12)	Dept. of Biology	Dr. Sue Bowden
English Education (secondary 9-12)	Dept. of English, Theatre, and Languages	Dr. Dennis Sigmon
Mathematics Education (secondary 9-12)	Dept. of Mathematics and Computer Science	Dr. Raymond Lee
Science Education (secondary 9-12)	Depts. of Biology and Chemistry and Physics	Dr. Sue Bowden
Social Studies Education (secondary 9-12)	Dept. of History	Dr. Kathleen Hilton
Art Education (K-12)	Dept. of Art	Dr. Ann Horton-Lopez
Music Education (K-12)	Dept. of Music	Mr. Timothy Altman
Physical Education (K-12)	Dept. of Health, Physical Education, and Recreation	Dr. Tommy Thompson
Exceptional Children (K-12)—Learning Disabilities and Mental Retardation	School of Education	Dr. Larry Schultz
Birth to Kindergarten (B-K)	School of Education	Dr. Karen Stanley
Elementary Education (K-6)	School of Education	Dr. Swanee Dickson
Middle Grades Education (6-9)	School of Education	Dr. Warren Baker

SPECIAL PROGRAMS AND INTERDISCIPLINARY PROGRAMS

TEACHING FELLOWS PROGRAM

Director: Irene P. Aiken

The University of North Carolina at Pembroke is one of the fourteen institutions participating in the North Carolina Teaching Fellows Program. See the School of Education for a description of this program.

COLLEGE OPPORTUNITY PROGRAM

Director: Sandra M. Stratil
Deana Johnson

The College Opportunity Program is designed to admit a limited number of students who meet most, but not all, of The University of North Carolina at Pembroke's regular admission standards. Students are selected on the basis of high school academic record, scholastic standing in the high school graduating class, and SAT or ACT scores. The application for admission should be filed as early as possible.

The student enters the College Opportunity Program in the summer for a five-week session including preliminary testing and courses designed for the development of academic skills to prepare him/her for the Fall Semester. The student who successfully completes these summer courses is then eligible to continue in the Fall Semester. In the Fall and Spring Semesters, the student is allowed to register for 15 hours of academic courses. In addition, the student meets regularly with the COP advisor for special advisement and counseling. Each student's academic progress is reviewed at the end of the Fall Semester and Spring Semester. If, at the end of the Spring Semester, the student meets the academic eligibility requirements listed under "Academic Eligibility" in the University catalog and has successfully completed the College Opportunity Program requirements, then the student continues at the University as any other regularly admitted student.

SUMMER RESEARCH OPPORTUNITIES PROGRAM

Coordinator: Stanley Knick

UNC Pembroke is a member of a consortium of educational institutions with Indiana University which encourages minority students to pursue professional careers. The Summer Research Opportunities Program (SROP) offers talented minority students who are rising juniors or seniors in any academic discipline the chance to preview Indiana University during a ten-week summer research project. Students are nominated on the basis of grade point average and faculty recommendations concerning the student's academic potential. As many as three deserving UNC Pembroke students may be nominated each year.

Under the guidance of a faculty mentor, SROP students will devote full-time effort to a research program, including research design, review of literature, hypothesis testing and conclusion. Students will receive a stipend, travel expenses, single room and meal allowance, plus a research allowance.

Applications should be filed with the Faculty Coordinator no later than 31 January. The Summer Research Opportunities Program is an excellent way for UNC Pembroke to assist some of its best minority students in progressing toward graduate study and a professional career.

INTERDISCIPLINARY MAJORS AND MINORS**AMERICAN STUDIES MAJOR and MINOR**

Coordinator: J. Mark Thompson (Department of History)

American Studies is an academic discipline concerned with the diversity of the American experience; it is a liberal arts program designed to provide students with an opportunity for multidisciplinary study of the culture of the United States through a variety of perspectives, including history, art, music, literature, film, ethnic studies, and gender studies. Having a cultural studies focus, the program examines America through forms of expression and through its major social, economic, and political structures, both in the past and the present.

See the Department of History for a complete description of this program.

SCIENCE EDUCATION MAJOR

Coordinator: Sue Bowden

See the Department of Biology or Chemistry and Physics for a description of this interdisciplinary program for teacher preparation, which offers teaching concentrations in Biology, Chemistry, Earth Science, or Physics.

AFRICAN AMERICAN STUDIES MINOR

Coordinator: Frederick H. Stephens

The Departments of Sociology, Social Work, and Criminal Justice; English, Theatre, and Languages; Chemistry and Physics (Geography); History; and Political Science offer a multidisciplinary minor in African American Studies. This program is designed to introduce the student to the knowledge base of African American contributions to American society and to provide a theoretical approach to understanding African American culture. The student interested in this multidisciplinary minor will have the opportunity to conduct research in areas of African American Studies.

Requirements for an African American Studies Minor**Sem Hrs.**

Guided Electives: Students must take 18 hours from the courses below, selecting courses from at least three different areas (i.e., SWK, ENG, GGY, HST, PSPA).*

Area 1: Sociology, Social Work, and Criminal Justice

SWK 382 African American Populations

Area 2: Literature

ENG 207 (relevant topics only);

ENGS 4xx as AASS 4xx (relevant topics only)

Area 3: Geography

GGY 450 as AAS 450 (relevant topic only)

Area 4: History

HST 361 as AAS 361; HST 362 as AAS 362; HST 375 as AAS 375

HST 402 as AAS 402 (relevant topics only); HSTS 4xx as AASS 4xx (relevant topics only)

Area 5: Political Science

PSPA 275 as AAS 275; PSPA 355 as AAS 355 (relevant topics only),

PSPA 370 as AAS 370 (relevant topics only) ,

PSPA 398 as AAS 398 (relevant topics only),

PSPA 420 as AAS 420 (relevant topics only), PSPA 430 as AAS 430

Total: 18

*Permission of the African American Studies Coordinator is required before any topics course may be used to meet the requirements for the minor in African American Studies.

APPLIED GERONTOLOGY MINOR

Coordinator: Stephen M. Marson

The Programs in Biology, Nursing, Recreation, Sociology, and Social Work offer an interdisciplinary Minor in Applied Gerontology. The Minor is designed to enhance the student's knowledge base in gerontology for both personal growth and professional advancement. The Minor offers the student understanding of causal linkages between the changes in biological functioning and their psychosocial adaptations. The minor also addresses the manner in which one can effectively deal with the changes of aging while still maintaining a productive life.

In order to successfully complete the Minor in Applied Gerontology, the student is required to enroll in a field practicum within his/her major. The internship must be completed under the auspices of an institution or agency whose primary function is related to the elderly population.

Requirements for an Applied Gerontology Minor

	Sem. Hrs.
Select 17 hours from the following: BIO 103 or PED 349 (3), SOC 270 (2), NUR 330 (3), PSY 305 (3), REC 425 (3), SOC 375 (3), SOC 451, SWK 384 (3)	
Complete a field practicum in an agency that serves the elderly population	Total: 17

PERSONNEL AND ORGANIZATIONAL LEADERSHIP MINOR

Coordinator: Ed Powers

The Departments of Psychology and Counseling and Political Science and Public Administration and the School of Business Administration offer an interdepartmental minor in Personnel and Organizational Leadership. This program is designed to provide the following competencies: 1) a theoretical understanding of the basic psychological processes that operate in work settings; 2) skill in establishing rapport with co-workers; 3) skill in assessing the qualifications and performance of others; 4) skill in managing and training others; and 5) a theoretical understanding of organizational structure and the forces that influence it.

Students majoring in any subject are eligible to participate in the Personnel and Organizational Leadership minor. Those who are interested should consult with the department chair from Psychology and Counseling or Political Science and Public Administration or the dean of the School of Business Administration. Since many courses in the minor have prerequisites that can be taken to meet General Education requirements, early planning will be to the student's advantage.

Requirements for a Minor in Personnel and Organizational Leadership	Sem. Hrs.
Psychology: select 3 courses from the following PSY 216, 316, 317, 403, 415	9
Management/Administration: select 3 courses from the following MGT 307, 308, 408, 466; ECN 407; PSPA 210, 319, 360	9
	Total: 18

A particular course cannot be used to satisfy the requirements of both a major and a minor at the same time.

SUBSTANCE ABUSE MINOR

Coordinators: Norman Layne and Sherry Edwards

A 19-20 semester hour undergraduate minor in substance abuse is available to undergraduate students from any major. Students interested in obtaining jobs in substance abuse will find that completion of this minor will enhance their marketability with regard to entry-level jobs. Further, for those students interested in working toward North Carolina Substance Abuse Certification, the Coordinators will provide guidance and assistance that will facilitate the achievement of Certification in North Carolina.

Requirements for A Minor in Substance Abuse	Semester Hours
Required Courses: SWK 280, SAB 377, SAB 455, SAB 461 or SAB 465	11
Elective Courses: Select 8-9 hours from the following: CRJ/SOC 367, CRJ/SWK 350, SAB/SOC//SWK 270, SOC 209, SOC 303, SOC/SWK 245	8-9
	Total: 19-20

COURSES (SAB)**SAB 270. Medical Terminology (SOC 270, SWK 270)**

Students are introduced to the most frequently used medical terms and abbreviations. Intended primarily for students in social behavioral science curricula who seek careers in medical organizations. As announced. Credit, 2 semester hours.

SAB 377. Drug Use and Abuse (HED 377, SOC 377)

A study of the types and functions of pharmaceutical treatments. Drug addiction is analyzed as a social, psychological, and biological process. Fall. Credit, 3 semester hours.

SAB 455. Treatment of Alcohol and Drug Addiction (SWK 455)

Substance abuse treatment and rehabilitation involving individual clients, families, and groups is addressed. Modalities of treatment, treatment planning, case management, and managed care in addictions are also addressed. Spring. Credit, 3 semester hours.

SAB 461. Addiction and Women (SOC 461)

An analysis of women's experiences of addiction, the societal response to female addiction, and the treatment resources and services that are needed to prevent and treat female addiction. Topics covered include the centrality of relationships in women's lives, sexual abuse and addiction, addiction and traditional gender roles, and parenting issues for substance abusing women. Fall, odd-numbered years. Credit, 3 semester hours.

SAB 465. Addiction and Community (SOC 465)

An analysis of the response of communities to substance abuse, the extent to which communities are supportive of recovery, and the community resources and services that are needed to respond to addiction and facilitate recovery. Topics include the role of support groups, health professionals, and the family in the recovery process. Fall, even-numbered years. Credit, 3 semester hours.

WORLD STUDIES MINOR

Coordinator: Elizabeth Normandy

Eighteen semester hours are required for the satisfactory completion of the minor in World Studies. Courses that fulfill the requirements of the student's major area of study cannot be applied toward this minor. The minor is divided into specified and elective courses.

Requirements for a Minor in World Studies

World Studies: select two courses from WLS 200, 251, and 450

Elective Courses: select four with coordinator (see below)

Sem. Hrs.

Total: 18

COURSES (WLS)

WLS 100, 101, 102, 103. University Convocation Program

The World Studies Committee offers four one-hour courses to encourage student attendance at campus lectures and cultural events. Each course is given on a Pass/Fail basis. To receive credit, students must attend ten events which have been approved by the World Studies Committee. Fall, Spring. Credit, 1 semester hour.

WLS 200. World Cultural Geography (GGY 200)

Concept of culture applied to the human environment. Geographical variations and evolution resulting from the interaction between cultural and physical processes. Culture and technological change. Population and migration. Cultural effects on perception of the environment. Spring. Credit, 3 semester hours.

WLS 210. Multi-Cultural Center Internship

This internship will provide students with a deeper understanding of cultural relations and the administration of a cultural center. Students may be assigned research on a cultural topic and will be required to submit papers as well as prepare a related exhibit for public display. Credit, 3 semester hours, PREREQ: Approval of World Studies Minor Coordinator and the Director of the Multi-Cultural Center.

WLS 251. Introduction to World Politics (PSPA 251)

Analysis of politics and relations among nations: (1) sovereignty, (2) domestic jurisdiction, (3) status quo, (4) colonialism, (5) balance of power, (6) alliance and neutrality, (7) peaceful adjustment of disputes, (8) disarmament, (9) standards of international conduct, (10) economic development and political advancement of the developing countries. Fall, Spring. Credit, 3 semester hours. PREREQ: PSPA 100 or 101.

WLS 320. Service Internship

This internship is designed to provide credit for those students (especially volunteers) who provide service to other cultures abroad, but could also be applied to service to groups of foreigners domestically. Students will be required to submit a substantive report regarding this experience. Credit, 1 to 3 semester hours PREREQ: Approval of World Studies Minor Coordinator and the Director of the Multi-Cultural Center.

WLS 330. Study Abroad

Students who successfully study abroad for a trip lasting a minimum of one week and a maximum of two semesters in a University-approved program will be required to prepare a substantive report regarding their experiences while abroad or report on a particular point of interest they may have researched while in a foreign country. Credit, 1 to 7 semester hours, PREREQ: Approval of World Studies Minor Coordinator and the Director of the Multi-Cultural Center.

WLS 450. Seminar in International and Intercultural Relations

Research seminar to gain experience in formulating, designing, and implementing meaningful research projects in international and intercultural relations. A substantial paper will be prepared by

the student and presented to the Seminar and World Studies faculty. Fall, Spring. Credit, 3 semester hours. PREREQ: Approval of World Studies Minor Coordinator.

ELECTIVE COURSES (Select four)

Courses must be selected by the student, approved by the Coordinator, and noted in the minor advisement file of the student. A minimum of 12 unduplicated semester hours will be chosen. Participating departments include:

Biology	History
Business Administration	Philosophy and Religion
Chemistry and Physics (Geography)	Political Science and Public Administration
English, Theatre, and Languages	Sociology, Social Work, and Criminal Justice

HEALTH PROFESSIONS PROGRAMS

In addition to the Bachelor of Science in Nursing, described in the Undergraduate Programs of Study section, the Departments of Biology and Chemistry and Physics provide curricula which meet the requirements for admission into most schools of medicine, dentistry, veterinary science and medical technology. In addition, students wishing to pursue a degree in a variety of other health related professions such as pharmacy, optometry, physical therapy, etc., can obtain some of the required college preparation (generally two years) at UNC Pembroke prior to transfer to the appropriate professional school. In each case, admission to the professional school is competitive and completion of the prescribed curriculum at UNCP does not guarantee such admission. Because entrance requirements vary with the profession and with individual schools, it is the responsibility of the student to be familiar with the requirements of the specific school to which he or she plans to apply. Advice or assistance can be obtained from the Health Careers Counselor, or from any biology or chemistry faculty member.

PRE-HEALTH CURRICULA AND DEGREE PROGRAMS THAT LEAD TO THE HEALTH PROFESSIONS

Curricula	Degree Programs
Pre-Medical	B.S. Biology
Pre-Dental	B.S. Chemistry
Pre-Pharmacy	B.S. Applied Physics
Pre-Medical Research	B.S. Psychology
Pre-Veterinary Medicine	B.S. Mathematics
Pre-Medical Technology	B.S. Nursing
Pre-Optometry	
Pre-Nursing	
Pre-Public Health, Pre-Allied Health	

PREPROFESSIONAL CURRICULA IN MEDICINE, DENTISTRY, AND VETERINARY SCIENCE

Although a B.S. degree is technically not a prerequisite for these program, the large majority of students who apply and are accepted do hold an undergraduate degree. It is therefore recommended that students interested in these areas pursue a B.S. degree. The Departments of Biology and Chemistry and Physics offer B.S. programs with biomedical emphasis that enable a student to meet requirements for most professional schools. These programs are detailed in the program descriptions of the Departments of Biology and Chemistry and Physics.

ACCELERATED PROGRAM IN MEDICAL TECHNOLOGY

UNCP offers a program to its biology and chemistry majors in affiliation with hospitals approved by the Council on Medical Education of the American Medical Association which gives, by the board of registry of Medical Technologists, a medical technology certificate. In this program the students complete six semesters of on-campus study and one year of study and training in an affiliated hospital. After satisfactory completion of the fourth year (hospital training), UNCP will award the B.S. degree in biology or chemistry to the students. Undergraduate students enrolled in the fourth year of the accelerated program in medical technology must pay tuition to both UNCP (not including fees) and to the affiliated hospital. Details of the medical technology programs appear in the program descriptions of the Departments of Biology and Chemistry and Physics.

Currently, the Biology Department and the Chemistry and Physics Department have formal affiliations with McLeod Regional Medical Center in Florence, S.C. Dr. Vera C. Hyman, M.D., and Ms. Vicki Anderson, M.T., the program director and the education director at McLeod Medical Center, are regarded as adjunct professor and lecturer respectively at the University of North Carolina at Pembroke. Although the affiliation agreement does provide UNCP students some preference in the admissions process, it should be noted that admission to the hospital program is competitive and that the admissions process is a function of the hospital program.

It should be noted that this is an accelerated program which allows the student to complete in four years a program that often requires five years. Students may elect the alternate route in which a B.S. degree in biology or chemistry (biomedical emphasis) is obtained before application to a hospital program. Students electing this route are eligible to apply to any school of medical technology and are not limited to programs affiliated with The University of North Carolina at Pembroke.

