

C378
1314

PEMBROKE STATE UNIVERSITY

1981-1982 Catalog



The Pembroke State University General Catalog has been designed to provide students and prospective students with a general description of the University and to give detailed information regarding the various departments within the University and curriculum offered by the University. Realizing that the educational process necessitates change, the information and educational requirements in this catalog represent a flexible program which may be altered wherever such alterations are thought to be in the interest of the University and its students. Pembroke State University reserves the right to change without notice any fee, provision, offering, or requirement in this catalog and to determine whether a student has satisfactorily met the requirements for admission or graduation.

Pembroke State University is a member of or is accredited by:

The Southern Association of Colleges and Schools

The North Carolina Association of Colleges and Universities

The National Council for Accreditation of Teacher Education

The National Association of Schools of Music

The American Association of Colleges for Teacher Education

The American Council on Education

The North Carolina State Board of Education

The Association for Field Services in Teacher Education

The Association of American Colleges

The American Association of State Colleges and Universities

UNIVERSITY CATALOG COMMITTEE

Dr. Donald R. Little, Associate Professor, Department of Education

Dr. Richard C. Pisano, Dean of Academic Affairs for Administration, Chairman

Ms. Joyce S. Singletary, Registrar

Ms. Ann Reaves Wells, Associate Professor, Department of Communicative Arts

C378
P39H

VOL. XXI

SPRING, 1981

No. 1

PEMBROKE STATE UNIVERSITY



CATALOG
1981-1982

WHOM TO CONTACT ABOUT . . . Telephone (919) 521-4214

Academic Records & Transcripts	Office of Admissions & Registration, Ext. 303
Admissions	Office of Admissions, Ext. 262
Bookstore	Office of Student Union Manager, Ext. 222
Career Planning	Office of Career Planning & Placement, Ext. 270
Catalog	Office for Academic Affairs, Ext. 224
Certification (Teacher)	Department of Education, Ext. 221
Commencement	Office for Student Affairs, Ext. 226
Continuing Education Courses	Office of Continuing Education, Ext. 352
Degree Programs	Chairman of the Respective Department
Dormitories and Student Housing	Office for Student Affairs, Ext. 228
Evening Program	Office of Continuing Education, Ext. 352
Faculty	Office for Academic Affairs, Ext. 351
Fees and Accounts	Office for Business Affairs, Ext. 206
Financial Aid (Scholarship, Grants, Loans, Work-Study)	Office of Financial Aid, Ext. 255
Graduate Program	Office of Graduate Studies, Ext. 271
Library Services	Circulation Desk, Ext. 238
Media Center Services	Media Center, Ext. 254
Placement	Placement Office, Ext. 270
Native American Resource Center	Ext. 282
Public Information	Office of Public Information, Ext. 249
Registration	Office of Admissions & Registration, Ext. 298
Residence Status	Office of Admissions, Ext. 262
Sports Information	Office of Sports Information, Ext. 261
Student Activities	Office for Student Affairs, Ext. 226
Summer Programs	Office of Continuing Education & Summer Programs, Ext. 352
Test (A.C.T., S.A.T., M.A.T.)	Office of Guidance and Testing, Ext. 202
Veterans Information	Office of Financial Aid, Ext. 339

All communications should be directed to the proper University office and addressed to:

Pembroke State University
Pembroke, North Carolina 28372

C 378
 P39H
 1981/82 -
 1983/84

PEMBROKE STATE UNIVERSITY

Academic Programs Offered and Degrees Conferred

- | | |
|---|--|
| Art, B.A. | Health and Physical Education, B.S. |
| Art Education, B.S. | Health & Physical Education, Education, B.S. |
| Biology, B.S. | History, B.A. |
| Medical Technology, B.S. | Social Studies Education, B.A. |
| Biology Education, B.S. | Mathematics, B.S. |
| Business Administration | Computer Science, B.S. |
| Accounting, B.S. | Mathematics Education, B.S. |
| Management, B.S. | Music, B.A. |
| Business Education, B.S. | Music Education |
| Business, Applied Science, B.S. | Instrumental, B.S. |
| Chemistry, B.S. | Vocal, B.S. |
| Communicative Arts | Philosophy and Religion |
| Dramatic Literature & Performance, B.A. | Philosophy, B.A. |
| Language & Literature, B.A. | Religion, B.A. |
| Contracted Major, B.A. | Political Science, B.A. |
| English Education, B.A. | Pre-Law, B.A. |
| Economics, B.A. | Public Administration, B.A. |
| Educational Administration and Supervision, M.A.Ed. | Psychology, B.S. |
| Elementary Education | Reading Education, B.S. |
| Early Childhood, B.S., M.A.Ed. | Sociology, B.A. |
| Intermediate, B.S., M.A.Ed. | Criminal Justice, B.A. |
| | Special Education, B.S. |

Academic Minors Offered

- | | | |
|-------------------------|---|-----------------------|
| American Indian Studies | Literature | Public Administration |
| Art | Mathematics | Public Relations |
| Athletic Coaching | Medical Sociology | Communication |
| Computer Science | Music | Religion |
| Criminology | Personnel and Organizational Leadership | Sacred Music |
| English Language | Philosophy and Religion | Social Work |
| French | Philosophy | Sociology |
| Geography | Planning and Community Development | Spanish |
| History | Political Science | Speech |
| Jazz Studies | Psychology | Theater |
| Journalism | | World Studies |
| Legal Studies | | Writing |

Other Academic Offerings

- | | |
|----------------------------------|---------------------------|
| Aerospace Studies—Air Force ROTC | University Honors Program |
| Military Science—Army ROTC | |

846496

TABLE OF CONTENTS

Accreditation	Inside Cover
University Calendar	6
Organization	12
The University of North Carolina	12
Pembroke State University	15
Board of Trustees	15
Officers of the Board	15
Officers and Administration	15
Office of the Chancellor	15
Office for Academic Affairs	15
Department Chairmen	16
Office for Student Affairs	16
Office for Business Affairs	17
University Safety Department	17
General Information	24
History	24
Location	25
Educational Philosophy	26
Buildings and Grounds	27
The Admissions Process	32
Regular Admission	32
College Level Examination Program	32
College Opportunity Program	33
Transfer Students	34
Bachelor of Science in Applied Science Program	35
Military Degree Completion Program	35
Readmission of Students	36
Special Students	36
Part-Time Students	37
Auditing	37
Summer Session	37
Continuing Education	38
Special Programs	38
Academic Regulations	42
Classification of Students	42
Student Load	42
Grading and Academic Eligibility	42
Grading System	42
Academic Eligibility	43
Minimum Scholastic Requirements	43
Honors	44
Dean's List	44
Registration	44
Dropping and Adding Courses	45
Repetition of Courses	45
Independent Study	45

Class Attendance	46
Withdrawal Policy	46
Requirements for Graduation	47
Miscellaneous	48
Curricula and Degrees	52
Minimum Basic Studies Requirements	52
Programs for Majors, Minors and Specialty Concentration	53
Requirements for a Double Major	54
Requirements for a Second Baccalaureate Degree	54
Requirements for a Minor	54
University Honors Program	55
Air Force ROTC Program	55
Army ROTC Program	56
Experiential Learning	57
Cooperative Education Program	58
Internship Program	58
The Graduate Program	59
Student Life and Affairs	62
Student Government	62
Athletics	62
Cultural Programs	62
Co-Curricular Activities	63
Campus Clubs	64
Religious Organizations	65
Honorary Organizations	65
Sororities	66
Fraternities	66
Who's Who Among Students in American Universities and Colleges	66
Queen's	66
Student Housing Information	66
Summer Housing	69
Cafeteria	69
Counseling Service	69
Health Service	69
Career Planning & Placement Office Services	71
Discipline	71
Vehicle Registration	72
The Traffic Control Committee	73
Student Finances	76
Financial Aid	76
Scholarships	76
Loan Funds	79
Student Employment	81
Veterans	81
Veteran Dependents	81
Student Fees	82

Tuition Waiver	82
Resident Status for Tuition Payment	83
Schedule of Expenses	83
Per Semester	83
Per Term of Summer Session	84
List of Fees	84
Refund Policy	86
Courses of Instruction	89
Undergraduate Programs	89
American Indian Studies	90
Art	93
Biology	100
Business Administration	109
Business Education	114
Economics	116
Communicative Arts	118
English and Speech Education	129
Foreign Languages	130
Education	133
Early Childhood Education (K-3)	137
Intermediate Education (4-9)	137
Reading Education	138
Special Education (K-12)	145
Geology and Geography	149
Health, Physical Education and Recreation	155
History	162
Mathematics and Computer Science	172
Music	180
Philosophy and Religion	191
Physical Science	201
Chemistry	203
Physics	204
Political Science	207
Psychology	218
Sociology	223
Special Programs	233
Aerospace Studies	234
Military Science	238
Personnel and Organizational Leadership	240
University Honors Program	241
World Studies Program	243
Graduate Program	246
Faculty Directory	264
Summary of Enrollment (1980-81)	275
Index	277

CALENDAR FOR 1981

JANUARY

S	M	T	W	T	F
			1	2	3
4	5	6	7	8	9 10
11	12	13	14	15	16 17
18	19	20	21	22	23 24
25	26	27	28	29	30 31

MAY

S	M	T	W	T	F
				1	2
3	4	5	6	7	8 9
10	11	12	13	14	15 16
17	18	19	20	21	22 23
24	25	26	27	28	29 30
31					

SEPTEMBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

FEBRUARY

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

JUNE

	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

OCTOBER

				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

MARCH

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

JULY

		1	2	3	4
5	6	7	8	9	10 11
12	13	14	15	16	17 18
19	20	21	22	23	24 25
26	27	28	29	30	31

NOVEMBER

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

APRIL

		1	2	3	4
5	6	7	8	9	10 11
12	13	14	15	16	17 18
19	20	21	22	23	24 25
26	27	28	29	30	

AUGUST

					1
2	3	4	5	6	7 8
9	10	11	12	13	14 15
16	17	18	19	20	21 22
23	24	25	26	27	28 29
30	31				

DECEMBER

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

CALENDAR FOR 1982

JANUARY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

MAY

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

SEPTEMBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

FEBRUARY

1	2	3	4	5	6
7	8	9	10	11	12 13
14	15	16	17	18	19 20
21	22	23	24	25	26 27
28					

JUNE

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

OCTOBER

					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

MARCH

1	2	3	4	5	6
7	8	9	10	11	12 13
14	15	16	17	18	19 20
21	22	23	24	25	26 27
28	29	30	31		

JULY

			1	2	3
4	5	6	7	8	9 10
11	12	13	14	15	16 17
18	19	20	21	22	23 24
25	26	27	28	29	30 31

NOVEMBER

1	2	3	4	5	6
7	8	9	10	11	12 13
14	15	16	17	18	19 20
21	22	23	24	25	26 27
28	29	30			

APRIL

			1	2	3
4	5	6	7	8	9 10
11	12	13	14	15	16 17
18	19	20	21	22	23 24
25	26	27	28	29	30

AUGUST

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

DECEMBER

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

PEMBROKE STATE UNIVERSITY

CALENDAR—1981-82

FIRST SEMESTER

August 8	Saturday, 9:00 A.M.—Freshmen Testing Program
August 23	Sunday, 1:00 P.M.—Dormitories Open for Freshmen
August 24	Monday, 9:00 A.M.—Freshmen Orientation Program
August 25	Tuesday, 9:00 A.M.—Freshmen Orientation Program
August 25	Tuesday, 8:00 A.M.—Dormitories Open for Upperclassmen
August 25	Tuesday, 6:00 P.M.—Evening Registration
August 26	Wednesday, 8:00 A.M.—Registration
August 27	Thursday, 8:00 A.M.—Classes Begin
August 27	Thursday, 6:00 P.M.—Graduate Registration and First Class
September 3	Thursday, 5:00 P.M.—Last Day to Add a Class
September 7	Monday, Labor Day—Holiday
October 9	Friday, End of First Six Weeks and Last Day to Drop a Course with a "W" Grade
October 15-17	Thursday-Saturday—Mid-Semester Break
October 23	Friday, Mid-Point of the Semester
November 2-6	Monday-Friday—Student Advisement
November 9	Monday—Preregistration for Spring Semester
November 25	Wednesday, 9:30 P.M.—Thanksgiving Holidays Begin
November 30	Monday, 8:00 A.M.—Classes Resume
December 11	Friday, 9:30 P.M.—Classes End
December 12-18	Saturday-Friday—Final Examinations
December 18	Friday, 5:00 P.M.—All Dormitories Close

SECOND SEMESTER

January 3	Sunday, 1:00 P.M.—All Dormitories Open
January 4	Monday, 6:00 P.M.—Evening Registration
January 5	Tuesday, 8:00 A.M.—Registration
January 6	Wednesday, 8:00 A.M.—Classes Begin
January 7	Thursday, 6:00 P.M.—Graduate Registration and First Class
January 13	Wednesday, 5:00 P.M.—Last Day to Add a Class
February 19	Friday—End of First Six Weeks and Last Day to Drop a Class with a "W" Grade
March 5	Friday—Mid-Point of the Semester
March 5	Friday, 5:00 P.M.—All Dormitories Close
March 6	Saturday, 12:00 Noon—Spring Vacation Begins
March 14	Sunday, 1:00 P.M.—All Dormitories Open
March 15	Monday, 8:00 A.M.—Classes Resume
April 1	Thursday, 9:30 P.M.—Easter Holidays Begin
April 5	Tuesday, 8:00 A.M.—Classes Resume
April 20-23	Tuesday-Friday—Student Advisement

April 28 Wednesday, 9:30 P.M.—Classes End
 April 29-May 5 Thursday-Wednesday—Final Examinations
 May 6 Thursday, 5:00 P.M.—All Dormitories Close
 May 9 Sunday—Commencement

SUMMER SESSION—1982

FIRST TERM

May 26 Wednesday, 1:00 P.M.—All Dormitories Open
 May 26 Wednesday, 6:00 P.M.—Evening Registration
 May 27 Thursday, 8:00 A.M.-12:00 Noon—Registration
 May 27 Thursday, 1:00 P.M.—Classes Begin
 May 28 Friday—Late Registration Fee and Change of Course Fee
 Applies
 May 30 Monday—Last Day to Register for Course Credit
 June 10 Thursday, 8:00 A.M.—Intra-Session Begins
 June 10 Thursday—Last Day to Drop a Course with a “W” Grade
 June 14 Monday, 6:00 P.M.—Graduate Registration and First
 Class
 June 30 Wednesday—End of First Term of Summer School

SECOND TERM

July 1 Thursday, 1:00 P.M.—All Dormitories Open
 July 1 Thursday, 6:00 P.M.—Evening Registration
 July 2 Friday, 8:00 A.M.-12:00 Noon—Registration
 July 2 Friday, 1:00 P.M.—Classes Begin
 July 5 Monday—Holiday
 July 6 Tuesday—Late Registration Fee and Change of Course
 Fee Applies
 July 6 Tuesday, 6:00 P.M.—Graduate Registration and First
 Class
 July 7 Wednesday—Last Day to Register for Course Credit
 July 19 Monday—Last Day to Drop a Course with a “W” Grade
 August 6 Friday—End of Second Term of Summer School
 August 6 Friday, 5:00 P.M.—All Dormitories Close

PEMBROKE STATE UNIVERSITY

PEMBROKE, NORTH CAROLINA 28372



OFFICE OF THE CHANCELLOR

Dear Students and Parents,

Thank you for your interest in Pembroke State University. All of us at the University are extremely proud of the institution and we are anxious to share this enthusiasm with you. It is a pleasure to welcome you and others to the University.

This catalog is designed to be a concise and accurate description of Pembroke State University. We hope that it answers any questions you may have about the institution.

Pembroke State University is a unique institution in that it opened its doors in 1887 as a normal school for Indians in Robeson County. It developed through several stages and was granted university status in 1969. Today it has a student body composed of approximately 66 percent whites, 23 percent Indians, and 11 percent blacks.

As these students interact on campus, there are feelings of mutual respect and trust. This campus has indeed become a model for inter-racial living. This is a campus feature of which we are extremely proud.

The personalized teacher-student relationships at Pembroke State make it possible to offer excellent academic programs. Extremely able faculty members--two-thirds of whom hold doctoral degrees--are available to assist students inside and outside the classroom. They are dedicated to the job of teaching and working with the individual student. Our professors really care about students!

In addition to the University's fine undergraduate offerings, graduate programs are available in Elementary Education and in Educational Administration and Supervision. This is a growing dimension of the University.

Opportunities for growth at Pembroke State University extend beyond the formal classroom. We hope that every young person who comes to Pembroke State University fully takes advantage of all of our resources.

Please come to see us at any time. Our office is open to all.

Very sincerely,

Dr. Paul R. Givens
Chancellor





I. Organization

The University of North Carolina

Pembroke State University

Trustees

Administration

**BOARD OF GOVERNORS
THE UNIVERSITY OF NORTH CAROLINA**

JOHN R. JORDAN, JR., Chairman
MRS. HUGH MORTON, Vice Chairman
LOUIS T. RANDOLPH, Secretary

CLASS OF 1981

MRS. A. R. BOWE, Murfreesboro
HUGH CANNON, Charleston, SC
PHILIP G. CARSON, Asheville
T. WORTH COLTRANE, Asheboro
GEORGE WATTS HILL, Durham
JACK O'KELLEY, Burlington
MRS. HUGH MORTON, Linville
DAVID J. WHICHARD, II, Greenville

CLASS OF 1983

IRWIN BELK, Charlotte
WAYNE CORPENING, Winston-Salem
DANIEL C. GUNTER, Gastonia
MRS. HOWARD HOLDERNESS, Greensboro
JOHN R. JORDAN, JR., Raleigh
J. AARON PREVOST, Hazelwood
LOUIS T. RANDOLPH, Washington
HARLEY SHUFORD, JR., Hickory

CLASS OF 1985

FURMAN P. BODENHEIMER, Cary
LAURENCE A. COBB, Charlotte
JOHN EDWIN DAVENPORT, Nashville
CHARLES Z. FLACK, JR., Forest City
JAMES E. HOLMES, Winston-Salem
MRS. JOHN L. MCCAIN, Wilson
REGINALD F. MCCOY, Laurinburg
MACEO A. SLOAN, Durham

CLASS OF 1987

B. IRVIN BOYLE, Charlotte
WILLIAM A. DEES, JR., Goldsboro
MRS. FRANK H. EPPS, Lumberton
JACOB H. FROELICH, JR., High Point
JAMES E. HOLSHOUSER, JR., Southern Pines
WILLIAM A. JOHNSON, Lillington
ROBERT L. JONES, Raleigh
E. B. TURNER, Lumberton

THE UNIVERSITY OF NORTH CAROLINA Sixteen Constituent Institutions

WILLIAM C. FRIDAY, B.S., LL.B., LL.D., D.C.L., President

ROY CARROLL, B.A., M.A., Ph.D., Vice President—Planning

RAYMOND H. DAWSON, B.A., M.A., Ph.D., Vice President—Academic Affairs

L. FELIX JOYNER, A.B., Vice President—Finance

NATHAN F. SIMMS, JR., B.S., M.S., Ph.D., Acting Vice President—Student Services and Special Programs

DONALD J. STEDMAN, B.A., M.A., Ph.D., Acting Vice President—Research and Public Service Programs and Associate Vice President—Academic Affairs

*CLEON F. THOMPSON, B.S., M.S., Ph.D., Vice President—Student Services and Special Programs

JOHN P. KENNEDY, JR., S.B., B.A., M.A., J.D., Secretary of the University

GEORGE E. BAIR, B.A., M.A., Ph.D., Assistant to the President—University Telecommunications

HUGH S. BUCHANAN, JR., B.A., Associate Vice President—Finance

JOHN F. COREY, B.S., M.A., Ed.D., Associate Vice President—Student Services and Special Programs

JOHN W. DUNLOP, B.A., Director, The University of North Carolina Center for Public Television

KENNIS R. GROGAN, B.S., M.B.A., Associate Vice President—Finance

LLOYD V. HACKLEY, B.A., Ph.D., Associate Vice President—Academic Affairs

JAMES L. JENKINS, JR., A.B., Assistant to the President

ARNOLD K. KING, A.B., A.M., Ph.D., Assistant to the President

ROSCOE D. McMILLAN, JR., B.S., Assistant to the President for Governmental Affairs

RICHARD H. ROBINSON, JR., A.B., LL.B., Assistant to the President

ROBERT W. WILLIAMS, A.B., M.A., Ph.D., Associate Vice President—Academic Affairs

* On leave, effective November 1, 1980, as Acting Chancellor of North Carolina Agricultural and Technical State University.

Corporate History and Organization

North Carolina has one statewide University consisting of sixteen constituent institutions. The corporate history of this University begins in 1789, when the General Assembly chartered The University of North Carolina. That institution opened its doors to students at Chapel Hill in 1795.

By act of the General Assembly of 1931, the North Carolina College for Women at Greensboro and the North Carolina State College of Agriculture and Engineering at Raleigh were consolidated with the University at Chapel Hill to form a multicampus institution designated The University of North Carolina. In 1963 the General Assembly renamed the campus at Chapel Hill as The University of

North Carolina at Chapel Hill and that at Greensboro as The University of North Carolina at Greensboro. In 1965 the campus at Raleigh was renamed North Carolina State University at Raleigh.

Charlotte College was added in 1965 as The University of North Carolina at Charlotte, and in 1969 Asheville-Biltmore College and Wilmington College became, respectively, The University of North Carolina at Asheville and The University of North Carolina at Wilmington.

In 1971 the General Assembly in special session merged, without changing their names, the remaining ten state-supported senior institutions into the University. These are Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. This action created, effective July 1, 1972, a statewide multicampus university of sixteen constituent institutions called The University of North Carolina.

The present State Constitution, adopted in 1970, includes this language, which is essentially the same provision that has appeared in the Constitution since 1868: "The General Assembly shall maintain a public system of higher education, comprising The University of North Carolina and such other institutions of higher education as the General Assembly may deem wise. The General Assembly shall provide for the selection of trustees of The University of North Carolina. . ." In the reorganization act of 1971, the constitutionally authorized Board of Trustees was designated the Board of Governors. This Board, consisting of thirty-two members elected by the General Assembly, is "responsible for the general determination, control, supervision, management, and governance of all affairs of the constituent institutions."

Each constituent institution has a board of trustees composed of thirteen members. Of these thirteen, eight are elected by the Board of Governors, four are appointed by the Governor, and one, the elected president of the student body, serves *ex officio*. The North Carolina School of the Arts has two additional trustees, both of whom serve *ex officio*. The principal powers of these institutional boards are exercised under a delegation of authority from the Board of Governors.

Each constituent institution of The University of North Carolina has its own faculty and student body. The chief administrative officer of each institution is the chancellor. The chancellors are responsible to the President, who is the chief administrative officer of the statewide University. General policy and appropriate allocation of function are effected by the Board of Governors and by the President with the assistance of other administrative officers of the University. The office of the General Administration is located in Chapel Hill.

**PEMBROKE STATE UNIVERSITY
BOARD OF TRUSTEES**

	Address	Term Expires
FINCH, BETH	Fayetteville, N. C.	1981
HAMMONDS, ALBERT	Lumberton, N. C.	1981
HAMMONDS, JAMES H.	Lumberton, N. C.	1983
LOWRY, BURLIN	Cary, N. C.	1981
MARKS, LEROY	Laurinburg, N. C.	1983
OXENDINE, GRADY G.	Pembroke, N. C.	1983
OXENDINE, JESSE EDWARD, Chairman	Charlotte, N. C.	1983
PARNELL, GENEVA	Parkton, N. C.	1981
ROBINSON, SANKEY W.	Whiteville, N. C.	1983
SWETT, PURNELL	Pembroke, N. C.	1981
TILLMAN, OTIS E.	High Point, N. C.	1983
UPCHURCH, CLYDE, VICE CHAIRMAN	Raeford, N. C.	1981

OFFICERS AND ADMINISTRATION

CHANCELLOR

PAUL R. GIVENS, B.A., M.A., Ph.D.

CHANCELLOR EMERITUS

ENGLISH E. JONES, B.S., M.S., LL.D.

OFFICE OF THE CHANCELLOR

WILLIAM P. TURNER, A.B., A.M., Ph.D. *Vice Chancellor for Academic Affairs*

JAMES B. CHAVIS, B.S., M.A.Ed., Ed.D. *Vice Chancellor for Student Affairs*

WILLIAM S. MASON, JR., B.S. *Vice Chancellor for Business Affairs*

TERRY R. HUTCHINS, A.B., J.D. *Assistant to the Chancellor*

DALTON P. BROOKS, B.A., M.A., Ph.D. *Director of Title III*

LACEY E. GANE, B.A., Ed.M. *Director of Athletics*

WALTER OXENDINE, B.S., M.A. *Director of Resource Development and Alumni Affairs*

GENE WARREN, B.A. *Director of Public Information*

OFFICE FOR ACADEMIC AFFAIRS

WILLIAM P. TURNER, A.B., A.M., Ph.D. *Vice Chancellor for Academic Affairs*

RICHARD C. PISANO, B.S., M.Ed., Ed.D. *Dean of Academic Affairs for Administration*

CHARLES R. JENKINS, B.S., M.A.E., Ed.D. *Dean of Academic Affairs for Programs and Faculty Development*

NORMA J. THOMPSON, B.S., M.A., Ph.D. *Dean of Admissions and Registration*

W. HOWARD DEAN, B.S., M.A., Ed.D. *Director of Graduate Studies*

SYLVESTER W. WOOTEN, B.S., M.S., Ed.D. *Director of Continuing Education, Extension and Summer Session*

ROBERT C. HERSCH, B.A., M.A., Ph.D., M.L.S.	<i>Director of Library Services</i>
DALTON P. BROOKS, B.A., M.A., Ph.D.	<i>Director of Institutional Research</i>
MARY P. BOYLES, A.B., M.A., Ph.D.	<i>Director of College Opportunity Program</i>
JOYCE S. SINGLETARY, B.S., M.A.	<i>Registrar</i>
WARREN BAKER, B.S., M.A.E.	<i>Director of Admissions</i>
ANTHONY LOCKLEAR, B.S.	<i>Admissions Counselor</i>
LANE HUDSON, B.A.	<i>Admissions Counselor</i>
A. WARREN LOVE, B.S., M.A.	<i>Director of Media Center</i>
JO ANN PEARSON, A.S.	<i>Computer Center Manager</i>

DEPARTMENT CHAIRMEN

ADOLPH L. DIAL, BA., Ed.M., C.A.G.S.	<i>American Indian Studies</i>
PAUL VAN ZANDT, B.F.A., M.F.A.	<i>Art</i>
ROBERT F. BRITT, B.A., M.A., Ph.D.	<i>Biology</i>
DONALD E. KELLEY, B.S., M.B.A., Ph.D.	<i>Business Administration and Economics</i>
THOMAS J. LEACH, B.S., M.A., Ph.D.	<i>Communicative Arts</i>
GERALD D. MAYNOR, B.A., M.A., Ed.D.	<i>Education</i>
THOMAS E. ROSS, B.A., M.S., Ph.D.	<i>Geology and Geography</i>
RAYMOND B. PENNINGTON, B.S., Ed.M., Ed.D.	<i>Health, Physical Education and Recreation</i>
JOHN CHAY, A.B., M.A., M.A.L.S., Ph.D.	<i>History</i>
CHARLES D. BASS, B.S., B.A., Ph.D.	<i>Mathematics</i>
ROBERT L. ROMINE, B.S., M.A., Ph.D.	<i>Music</i>
ROBERT K. GUSTAFSON, B.A., M.Div., Th.M., Th.D.	<i>Philosophy and Religion</i>
JOHN S. WALLINGFORD, B.Phys., M.Ed., M.S., Ph.D.	<i>Physical Science</i>
CHANG H. CHO, L.L.B., M.A., D.P.A.	<i>Political Science</i>
KATHRYN K. RILEIGH, B.A., M.A., Ph.D.	<i>Psychology</i>
FRANK A. SCHMALLEGER, B.B.A., M.A., Ph.D.	<i>Sociology</i>

OFFICE FOR STUDENT AFFAIRS

JAMES B. CHAVIS, B.S., M.A.Ed., Ed.D.	<i>Vice Chancellor for Student Affairs</i>
G. ALEC PRICE, B.A., M.A.	<i>Dean of Students</i>
FAYE JONES, B.S., M.A.	<i>Associate Dean of Students</i>
RAY VON BEATTY, B.S., M.Ed., Ph.D.	<i>Director of Guidance and Testing</i>
ETHA M. HARRIS, B.S., M.A.	<i>Counselor</i>
TOMMY SWETT, B.S., M.A.Ed.	<i>Director of Special Programs</i>
.....	<i>Director of Performing Arts Center</i>
DIANE O. JONES, B.S., M.S.	<i>Director of Career Planning and Placement</i>
ESTHER D. JACOBS, B.S.	<i>Financial Aid Officer</i>
MARTIN L. BROOKS, M.D.	<i>University Physician</i>
EVA B. SAMPSON, R.N., B.S.	<i>University Nurse</i>

OFFICE FOR BUSINESS AFFAIRS

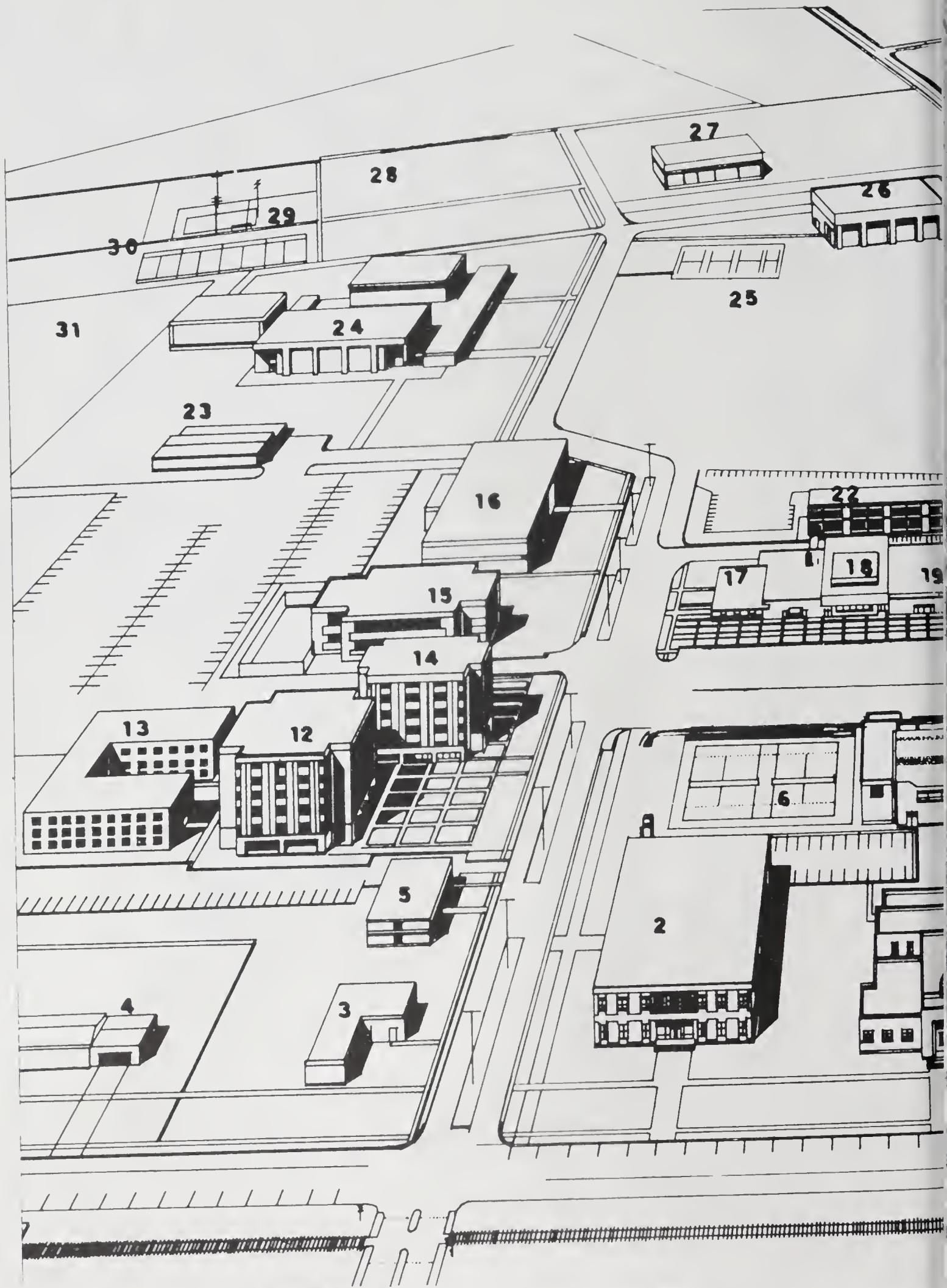
WILLIAM S. MASON, JR., B.S. *Vice Chancellor for Business Affairs*
 HORACE BURNETTE *Supt., Buildings and Grounds*
 WILLIAM S. CHESTNUT, B.A., C.P.A. *University Accountant*
 WILBERT CHAVIS *Printing and Duplicating*
 BILLY DEES, B.S.C.E., P.E. *University Engineer*
 JANE DIAL *Switchboard Supervisor*
 CAROLYN H. LOCKLEAR, A.S. *Payroll Clerk*
 KATE LOCKLEAR *Personnel Technician*
 LEE E. NEVILLE *Student Union Manager*
 JULIAN RANSOM, B.A. *Purchasing Agent*
 HERBERT ROBERTS *Central Stores Supervisor*
 KATHLEEN WELLS *Cashier*
 GORDON WILLIAMS *Director of Food Services*

UNIVERSITY PUBLIC SAFETY DEPARTMENT

TERRY R. HUTCHINS, A.B., J.D. *Legal Assistant
to the Chancellor*
 HAYNES DEESE *Campus Police Chief*





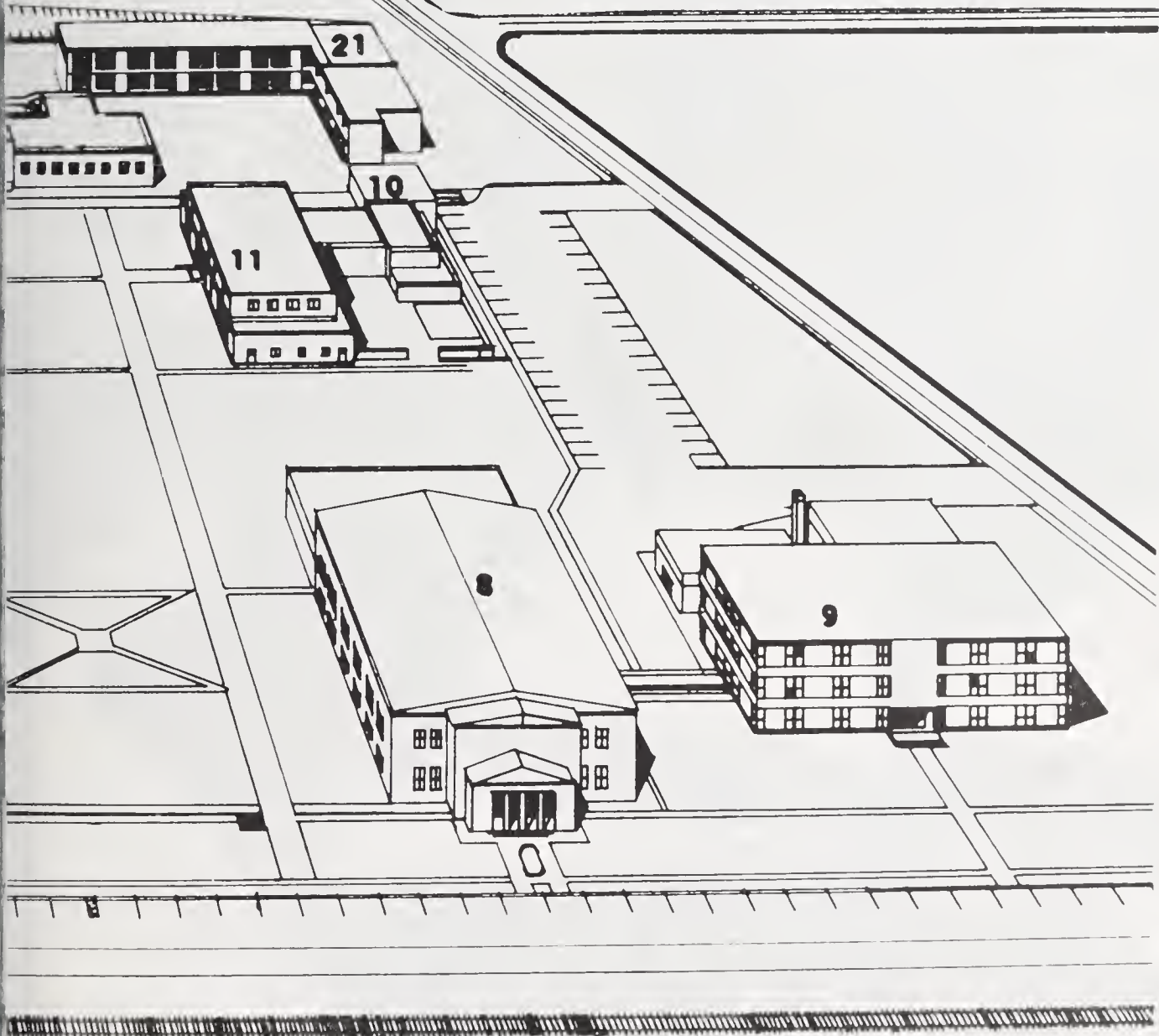


Ricky Smith
1978

- 1. Sampson Hall
(Administration)
- 2. Mary Livermore Library
- 3. Home Economics Residence House
- 4. Chancellor's Residence

- 5. Infirmary
- 6. Tennis Courts
- 7. Old Gym
- 8. Old Main
- 9. Oxendine Science Building
- 10. Music Annex
- 11. Moore Hall

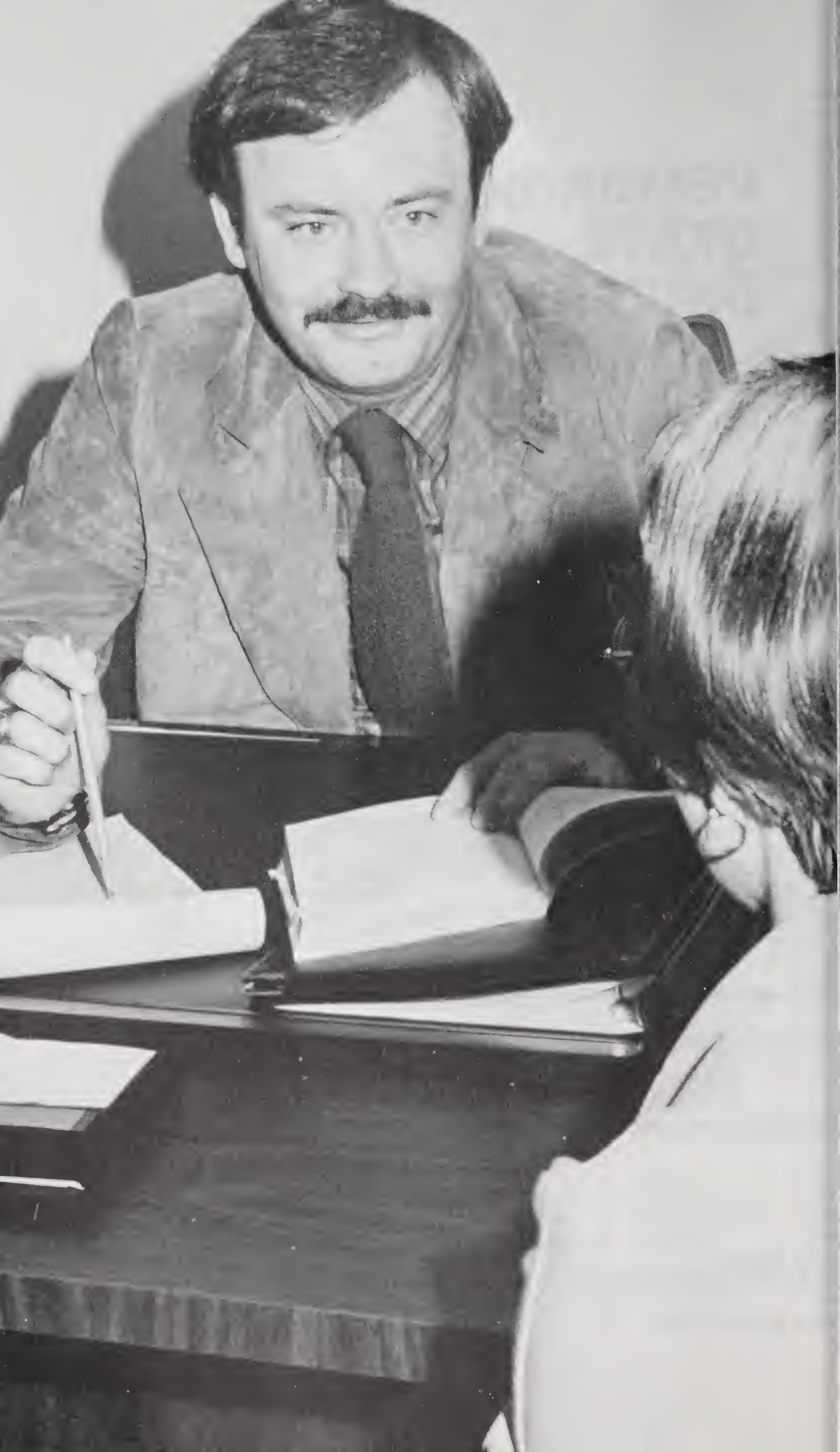
PEMBROKE STATE UNIVERSITY



all
 all
 all
 onal Center
 Administration Building
 ia
 owry Student Center

19. Bookstore
 20. Locklear Hall
 21. Jacobs Hall
 22. Wellons Hall
 23. Maintenance Building
 24. Jones Health & Physical
 Education Center

25. Tennis Courts
 26. Performing Arts Center
 27. Classroom North Bldg.
 28. Soccer Field
 29. Baseball Field
 30. Tennis Courts
 31. Track



II. General Information

II. GENERAL INFORMATION

HISTORICAL SKETCH

In 1887 the General Assembly of North Carolina authorized establishment of a normal school for Indians in Robeson County. This legislation, which included an appropriation of only five hundred dollars, required the local Indians to provide a building within two years on pain of having the act repealed if they failed to do so. A four-member board, composed of Robeson County Indians, was named to inaugurate the new school and guide its development.

With money raised by local subscription these trustees purchased an acre of land one mile west of Pembroke and erected thereon a two-story building with lumber and labor donated by residents of the area. W. L. Moore, a leading Indian teacher, became the first principal of the new school which opened in the Fall of 1887 with fifteen pupils. In 1889 the General Assembly increased the appropriation to one thousand dollars, and this level of support was continued for many years. In 1909 the school was moved to its present location, and in 1921 the legislature appropriated seventy-five thousand dollars to build a large, modern structure which was ready for use in 1923. This building, now known as "Old Main," was reconstructed in 1978-79 using its identical brick walls of 1923 and rededicated on February 16, 1980.

Although it had been legally designated a "normal school" from the beginning, the institution did not offer work beyond the elementary level during its early years. After its relocation in 1909, steady growth occurred, secondary and vocational courses were added, and in 1912 the first high school student graduated. Two additional students completed the high school curriculum in 1914, but after that year the program languished and it was not until 1922 that a fourth person achieved high school graduation from the institution. In 1924, when the graduating class included seven members, the school was given a "standard" classification by the State High School Inspector.

Until 1926 only elementary and high school courses were offered, but in that year a normal school program for the preparation of teachers was inaugurated, and the phasing out of the elementary offerings was begun. In June, 1928, the first normal school class was graduated, and the State Board of Education recognized the institution as a "Standard Normal School."

During these years the name of the institution underwent successive changes. First called the Croatan Normal School, it was in 1911 rechristened the Indian Normal School of Robeson County. In 1928 the last of the elementary program was eliminated from the curriculum and only high school and normal school programs were continued. In the early 1930's, college classes were initiated, and by

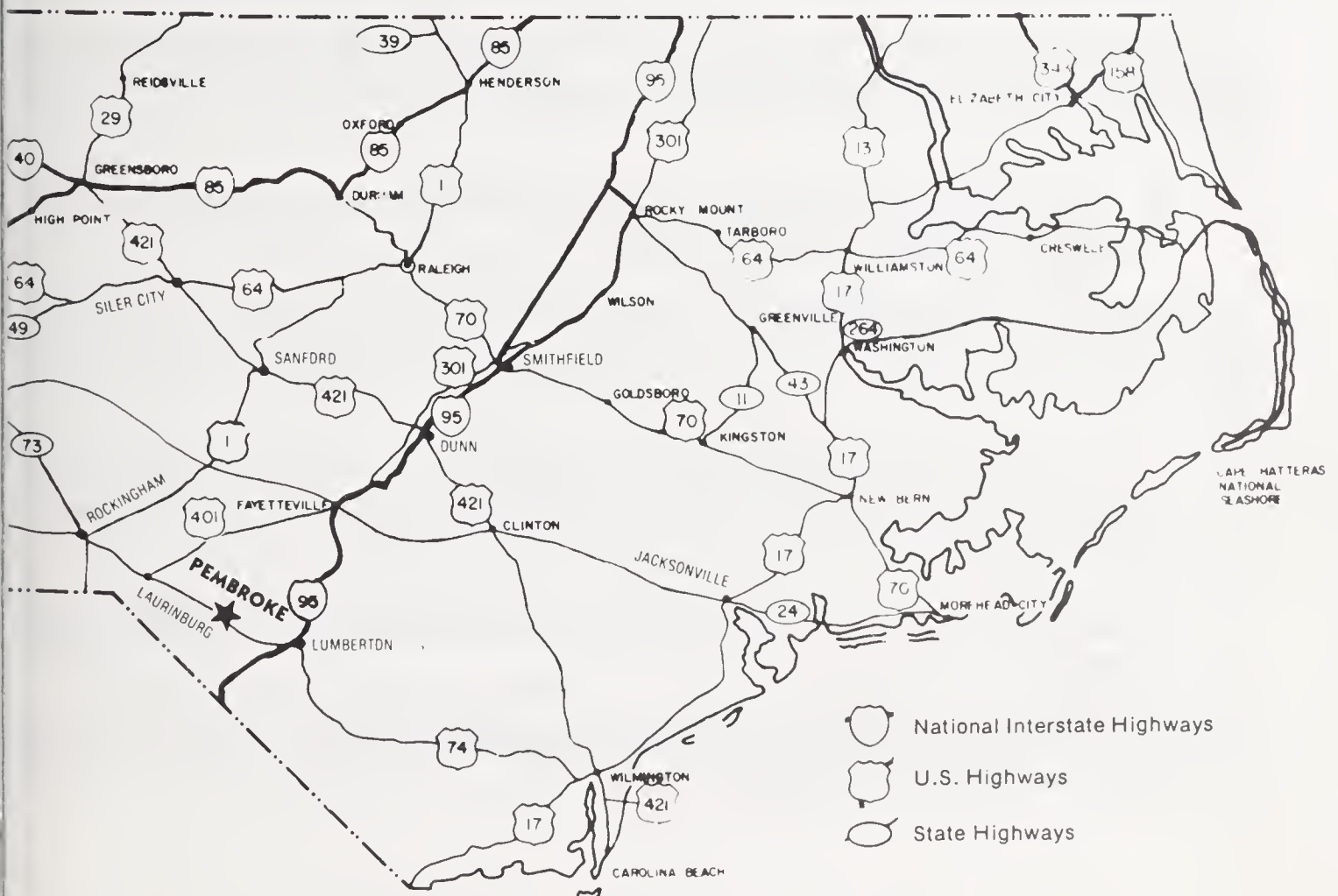
1938, three full years of college work were available. The high school and college branches were separated in 1939 when a fourth year of college work was added, and in June, 1940, the first college degrees were conferred. In keeping with these changes, the Legislature in 1941 renamed the school Pembroke State College for Indians, and in 1949 shortened the name to Pembroke State College.

Until 1945 only Robeson County Indians were eligible for admission to Pembroke, but in that year the legislature authorized admission of Indians other than those who resided in Robeson County. In 1953 the doors were opened to such white persons as might "be approved by the Board of Trustees." Following the public school desegregation decision of the Supreme Court of the United States in 1954 the school was opened to qualified applicants without regard to race, religion, or national origin.

The General Assembly of North Carolina granted regional university status to the institution on July 1, 1969, changing the name to Pembroke State University.

LOCATION

Pembroke State University occupies 95 acres located along the western edge of the town of Pembroke in Robeson County, North Carolina. It is easily accessible by automobile, being only ten miles from Interstate 95 and two miles from U. S. 74. Commercial air line service is available at the Fayetteville Municipal Airport, Grannis Field, which is approximately 30 miles from the campus.



EDUCATIONAL PHILOSOPHY OF PEMBROKE STATE UNIVERSITY

The University of North Carolina is a single multi-campus university composed of 16 constituent institutions. Pembroke State University is one of these institutions. It is an academic community whose members are encouraged to attain high standards of personal achievement.

The institution strives to provide varied and well-balanced undergraduate and graduate programs of high quality within the areas authorized by the Board of Governors. Strong emphasis is placed on excellence of instruction and the creation of an environment and atmosphere conducive to learning. Programs are available in Arts and Sciences, Business Administration, and Teacher Education as well as general programs designed to provide an opportunity for the fullest possible development of each student as an educated person.

Pembroke State University believes that education is a lifelong experience and provides flexible and responsible programs to meet the changing educational needs of the University community and society. The following are specific goals to which the institution commits itself:

- a. to provide programs for a liberal arts education of high quality,
- b. to provide programs for professional training of prospective teachers,
- c. to provide programs for diverse professions, occupations, and avocations,
- d. to promote the increase of knowledge through research in the liberal arts and sciences and through creative endeavors in the fine arts,
- e. to encourage continuing education among the citizens of the region served by the University.

Guided by this educational philosophy and in pursuit of these goals, Pembroke State University seeks to promote quality education by:

- a. developing and maintaining an academic community of students and faculty in which the pursuit of knowledge is respected and encouraged,
- b. enhancing communication skills including writing, reading, and speech,
- c. promoting the ability to develop ideas through critical, logical, and responsible thought,

- d. providing training for positions of community leadership by promoting individual achievement, academic excellence, familiarity with the diversity of cultural heritages, and experience in University organizations,
- e. increasing awareness of trends and alterations in our physical, biological, and social environment,
- f. supporting the social, cultural, and physical development of the members of the campus community,
- g. taking positive actions to assure equality of opportunity,
- h. periodically reviewing the purpose of the University and its academic programs to assure program effectiveness.

BUILDINGS AND GROUNDS

The Old Gymnasium completed in 1940, contains Student Government offices, the Police department, and Campus Ministry.

Sampson Hall completed in 1949, houses the university administration offices. It was named for Oscar R. Sampson, a long-time chairman of the University Board of Trustees.

Locklear Hall opened in 1950 and named for Anderson Locklear, a leading educator of Robeson County, houses the offices, classrooms and studios of the Art department.

Moore Hall, dating from 1951, contains a 212-seat auditorium, classrooms, offices, and studios used by the Music department. This building was named for Reverend W. L. Moore, the first teacher of the Indian Normal School at Pembroke.

The Chancellor's Residence, completed in 1952 was completely renovated and enlarged in 1976, is located on the western side of the campus.

Home Economics Residence House, opened in 1965, also houses the Office of Continuing Education and Summer Session.

The D. F. Lowry Student Center, first completed in 1965, and with additions completed in 1972, contains the mailroom, student supply store, snack bar and soda fountain, and lounge and recreational areas. The center was named for Reverend D. F. Lowry, the first person to graduate from the Indian Normal School.

Jacobs Hall, dating from 1961, is a men's dormitory which has a capacity of 134 students. This dormitory was named for Reverend L. W. Jacobs who served as chairman of the Board of Trustees for thirty years.

Wellons Hall, opened in 1965, is a men's dormitory with a capacity of 100 students. This structure was named for Dr. Ralph D. Wellons who served as President of the University from 1942 through 1956.

West Hall, opened in 1965, is a men's dormitory which offers accommodations to 200 students.

The Music Annex, attached to Moore Hall, in 1965, contains facilities for the university band and chorus, as well as practice rooms and faculty offices.

The University Cafeteria (built in 1959, enlarged in 1966, and again renovated in 1980) is now capable of seating 300 persons in the main dining room, and 24 in a smaller room intended for use by private groups, conferences, etc.

The University Infirmary, opened in the spring of 1967, contains examination and treatment rooms, offices for the University Nurse and Physician, and 22 beds for treatment of in-patients.

The Mary Livermore Library was completed in 1967, and currently houses 170,000 volumes and over 800 periodical subscriptions. It is a partial depository for U.S. government documents, and serves as an information and research center for the university community and the surrounding region. The library also houses the computer center and provides offices and classrooms for the special services program.

The Herbert G. Oxendine Science Building, completed in 1967, affords classrooms, laboratories, and offices for the Biology, Physical Science, and Mathematics departments.

The Business Administration Building, completed in 1969, affords classrooms and offices for the Business Administration and Economics, Sociology, Geology and Geography departments and the College Opportunity Program.

The Environmental Building, completed in 1969, a one-story brick structure located behind the Science Building, is used for animal laboratory experiments.

The Maintenance Buildings are located on the northwest corner of the campus. They contain shops, offices, and garage facilities for university vehicles.

The Central Receiving Warehouse is located beside the Maintenance Buildings. All deliveries of supplies and materials are received there.

Mary Irwin Belk Hall, completed in 1970, is a women's dormitory which offers accommodations to 200 students.

North Hall, completed in 1972, is a women's dormitory which offers accommodations to 200 students.

The English E. Jones Health and Physical Education Center, completed in the spring of 1972, has two gymnasiums, a natatorium which includes a six-lane swimming pool and diving tank, faculty offices, classrooms, a physiology laboratory, and a small lecture hall which seats 120. Training areas and dressing rooms are provided for instruction and intercollegiate athletics.

The Performing Arts Center, completed in 1975, houses the

dramatic arts and provides an ultra modern amphitheater type auditorium which will accommodate any performing arts production and which will comfortably seat an audience of seventeen hundred.

Educational Center, completed in 1976, contains classrooms, offices and curriculum and reading laboratories for the departments of Education, Psychology and Philosophy and Religion.

The Old Main Building was originally constructed in 1923, destroyed by fire in 1973 and restored in 1979. It houses the Native American Resource Center and Media Center on the first floor. The second floor provides classroom and office space for the American Indian Studies program, Public Information, Institutional Research, Guidance and Testing, and Placement, and offices for "Strike at the Wind".

The Classroom North Building, completed in 1980, is located on the north side of campus and provides classroom and office space for the departments of Communicative Arts, History, and Political Science.

What greater or better gift can we offer
the republic than to teach and instruct
our youth?

—Cicero



III. The Admissions Process

III. THE ADMISSIONS PROCESS

Students are admitted to Pembroke State University through the Office of Admissions and Registration which reserves the right to make decisions on any application for admission or readmission to the University on the basis of the individual merits of that application.

Any student who supplies false or misleading information or conceals pertinent facts in order to secure admission to Pembroke State University will be denied admission or, if admitted, will be immediately dismissed from the University and will be ineligible to receive any credit at Pembroke State University.

REGULAR ADMISSION

The admissions policy is based upon consideration of: (1) the high school academic record, (2) scholastic standing in the high school graduating class, (3) Scholastic Aptitude Test (SAT) scores or American College Testing Program (ACT) scores, and (4) the recommendations of the appropriate high school official.

Each applicant for regular admission must:

1. obtain an application form from the Office of Admissions and submit it properly executed.
2. submit acceptable scores from either the Scholastic Aptitude Test (SAT) or American College Testing Program (ACT).
3. obtain a medical examination form from the Office of Admissions and submit it to the University Infirmary fully completed.
4. submit official transcript showing secondary school work, scholastic standing in graduating class, and graduation from high school.
5. submit a \$10.00 application fee. This fee is non-refundable and is not applicable toward any other cost.

The application, application fee, forms, and documents to support the application should be received by the Office of Admissions by June 30 for the applicant to receive consideration for admission to the freshman class entering the University in the Fall Semester.

COLLEGE LEVEL EXAMINATION PROGRAM

Incoming freshmen may earn up to thirty semester hours of Basic Studies credit through the College Level Examination Program (CLEP) in accordance with the following schedule.

CLEP General Examination**Basic Studies Credit**

- | | |
|----------------------------|--|
| 1. English Composition | Three semester hours credit for CMA 105: Composition I; and three semester hours credit for CMA 106: Composition II. |
| 2. Humanities | Three semester hours credit for Art 205: History and Appreciation of Art; and three semester hours credit for Music 230: Introduction to Music Appreciation. |
| 3. Mathematics | Three semester hours credit for Mathematics 105: Introduction to College Mathematics; and three semester hours credit for Mathematics 107: College Algebra. |
| 4. Natural Sciences | Three semester hours credit for Biology 100: Principles of Biology; and three semester hours credit for Physical Science 100: Development of Physical Thought. |
| 5. Social Sciences—History | Three semester hours credit for History 126: Introduction to Early European Civilization; and three semester hours credit for History 127: Modern European Civilization. |

A Departmental Test may also have to be passed.

COLLEGE OPPORTUNITY PROGRAM

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

The student enters the College Opportunity Program in the summer for preliminary testing and a schedule of courses designed for the development of academic skills to prepare him for the Fall Semester. The student who successfully completes these summer courses is then eligible to continue in the Fall Semester with special advisement and counseling. Each student's academic eligibility is reviewed at the end of the Fall Semester and the Spring Semester. If he meets the academic eligibility requirements listed under "Academic Eligibility" in the college catalog and if he has successfully completed the College Opportunity Program, he is admitted to the University as a regular student at the end of the Spring Semester.

For additional information about the College Opportunity Program, contact the Director for the College Opportunity Program or the Director of Admissions.

TRANSFER STUDENTS

Students who wish to transfer from other colleges or universities to Pembroke State University must:

1. be eligible to return to the institution last attended.
2. have an overall cumulative quality point average of 2.0.
3. obtain an application form from the Dean of Admissions and Registration and return it to him properly executed.
4. submit acceptable scores on the Scholastic Aptitude Test if *they have less than 30 semester hours of credit*.
5. obtain a medical examination form from the Dean of Admissions and Registration and submit it to the University Infirmary properly executed.
6. submit complete official transcripts from all colleges or universities attended.
7. submit a \$10.00 application fee with the application. This fee is nonrefundable and is not applicable toward any other cost.

The application, application fee, and all forms, documents, and letters to support the application should be received by the Dean of Admissions and Registration by June 30 for consideration for the Fall Semester and prior to December 1 for consideration for the Spring Semester.

The student is responsible for getting his application and all supporting material to the Dean of Admissions and Registration as specified above. No action will be taken on an application until and unless these specifications are met.

Courses completed in other accredited colleges and universities for which transfer credit is requested will be evaluated in terms of Pembroke State University's academic regulations and curricula and in terms of the student's proposed program at Pembroke. Credit will be allowed for courses successfully completed which are equivalent to courses offered at Pembroke State University and which can be properly fitted into the student's proposed program. No student may receive transfer credit for more than 60 semester hours earned in a two-year college nor may any student who has attained junior status receive credit at Pembroke for any work taken after that time in a two-year college.

Transfer students must complete the Basic Studies Program or a minimum of 45 semester hours of course work equivalent to that required in the Basic Studies Program.

Students transferring to Pembroke State University will be classified in terms of the number of hours transferred and in accordance with the schedule published in the current Pembroke State University Catalog in Section IV: Academic Regulations and under Classification of Students.

After transferring to Pembroke State University, transfer students must maintain the designated balance between semester hours at-

tempted and the overall cumulative quality point average as indicated in the current Pembroke State University Catalog in Section IV: Academic Regulations under Academic Eligibility and under Minimum Scholastic Requirements.

BACHELOR OF SCIENCE IN APPLIED SCIENCE PROGRAM

Students who hold an Associate in Applied Science Degree from a community college or technical institute in Business Administration are eligible for admission to this program. The program has three major components: (1) the Associate in Applied Science Degree, (2) a core curriculum, and (3) an individualized program of study consisting of 60 semester hours at Pembroke State University leading to the Bachelor of Science in Applied Science Degree within two years or less. The Associate in Applied Science Degree is required for admission to the program and would constitute the first two years of work toward the Bachelor of Science in Applied Science Degree. The core curriculum is based on the Basic Studies Program required of all Pembroke State University graduates and is designed for each student in terms of his prior experience and achievement. The individualized program of study beyond the core curriculum is based on the student's associate in applied science degree program and is designed to: (1) give the student additional depth in his applied science and related study areas, (2) provide him with the opportunity to explore other study areas, and (3) assist him in the realization of his capacities, interests and desires.

DEGREE COMPLETION PROGRAM FOR MILITARY PERSONNEL

Pembroke State University provides educational programs for veterans, active military personnel, and retired military personnel who wish to continue their career development in higher education and to complete an educational program leading to a college degree.

In recognition of the educational experience gained by military personnel in their regular training, in service school courses, in USAFI or DANTES courses, and through the College Level Examination Program (CLEP), Pembroke State University will accept in transfer credit toward a Bachelor of Arts or Bachelor of Science degree.

1. Men or women who have served two or more years in the armed services will be awarded four semester hours credit for each two years of service, up to 12 semester hours of credit, as elective credit.
2. Credit may be awarded for service school courses comparable to those offered by Pembroke State University. The amount of credit granted will be according to the recommendations of the American Council on Education as listed in the most recent edition of A

Guide to the Evaluation of Educational Experiences in the Armed Services.

3. Work completed with an acceptable rating in USAFI courses that are parallel to courses offered at Pembroke State University provided a transcript of the work is sent directly to the Dean of Admissions and Registration.
4. Credit earned through the College Level Examination Program (CLEP).

In addition to the special provisions for granting credit to military personnel for their educational experience the University will accept in transfer credit toward a Bachelor's degree:

1. all work completed in residence at accredited senior institutions of higher education provided the student has an *overall cumulative quality point average* of 2.0.
2. up to 60 semester hours of work completed in a two-year college provided the student has an *overall cumulative quality point average* of 2.0.
3. up to 24 semester hours of work completed through correspondence and/or extension (with no more than 12 semester hours by correspondence) courses. Work completed in courses offered by Pembroke State University's Continuing Education Division at cooperating technical institutes is not counted as extension work.

READMISSION OF STUDENTS

Any student who has withdrawn from Pembroke State University for any reason must reapply through the Office of Admission and Registration. The application is available on request from the Dean of Admissions and Registration and should be returned to the Office of Admissions by June 30 for the Fall Semester and prior to December 1 for the Spring Semester.

SPECIAL STUDENTS

Persons who wish to enroll for university classes in a Fall or Spring Semester and carry 6 semester hours or less without entering a degree program or working for teacher certification, may be admitted to the University as special students. A special student may not later become a degree candidate unless he has been admitted to the University as a regular student. Those who wish to enter Pembroke State University as special students may obtain information and the necessary application forms from the Office of Admissions and Registration. Special students who enroll for 6 hours or less pay only tuition, registration, and general fees.

PART-TIME STUDENTS

A part-time student is a student who is regularly admitted to Pembroke State University and is registered for less than 12 semester hours of course work in a Fall or Spring Semester.

Students in a part-time status taking seven or more semester hours are charged all fees; however, the tuition charge is based on the number of semester hours taken. Part-time students taking six semester hours or less are not required to pay the student activity fee, the health and accident insurance fee, or the health service fee; however, all other fees must be paid.

AUDITING

All persons, *not officially registered* in the University, who desire to audit a course must secure the permission of the instructor and the Office for Academic Affairs and pay the fee for auditing to the Business Office. The fee for auditing a course will be \$12.00 per semester hour. A copy of the receipt from the Business Office must be filed with the Instructor at the beginning of the course.

A student who is officially registered and who wishes to audit a course must secure the permission of the Instructor and the Office for Academic Affairs; however, there will be no auditing fee. A copy of the letter from the Office for Academic Affairs granting permission to audit the course must be filed with the instructor at the beginning of the course.

Courses audited must not be shown on any official registration form and auditing students should not be included in figures reported on the permanent record of course.

No record of courses audited is kept and no entry of audited courses is made on the student's permanent record or on his transcript. Tests and assignments are not required of auditing students, and no grade is reported for courses audited.

SUMMER PROGRAM

The University offers two five-week sessions and a three-week intra-session designed to give the summer student both educational and recreational opportunities. Special workshops and institutes enrich the regular summer program and visiting specialists augment the regular faculty when the need arises.

Through many curricular and extra-curricular activities, the summer session provides special opportunities for teachers and other persons who are free for summer study. Many of the courses and workshops are open to individuals not seeking a university degree but interested in gaining personal or professional knowledge.

A student entering Pembroke State University for the first time as

a beginning freshman, a transfer student, and a student who is returning to the University after an absence of one semester or more, must meet all the requirements for admission as outlined on pages 32-36.

Transient students, students who are regularly enrolled at another institution of higher education, who wish to take courses at Pembroke State University during the summer session for transfer to their home institution, must submit a form available from the Summer Session Office showing that they are in good standing at their home institution and have from their Dean or Registrar's permission to enroll at Pembroke State University. Admission of a transient to the Summer Session *does not constitute admission to the University.*

In-service teachers who wish to attend the Summer Session for certificate renewal or some other purpose must submit an application. The application form and the *Summer Session Bulletin* may be obtained from the Summer Session Office.

CONTINUING EDUCATION DIVISION

Pembroke State University provides educational opportunities for students who are unable to meet demands of regular academic programs. Credit courses are offered on campus through the evening college program and off-campus through extension activities. Self improvement opportunities are available for those not interested in academic credit but are interested in personal potential and the development of special interests. Courses are offered on the undergraduate and graduate level for credit, delayed credit, and non-credit.

For additional information about opportunities available through the Continuing Education Division contact the Director.

SPECIAL PROGRAMS

Special Programs at Pembroke State University is designed to help meet the academic, cultural, and financial needs of participants in order that they may achieve a high success rate while in school. The four projects included in Special Programs are Upward Bound, Special Services, Health Careers Academic Advancement Program (HCAAP), and Clinical Work-Study Summer Health Program (CWSSHP).

Upward Bound is funded to serve seventy-five Robeson County high school students who have academic potential but lack the motivation or skills to demonstrate that talent. The program consists of an academic and a summer phase. During the academic phase, students are encouraged to achieve their educational potential with the help of weekly tutoring sessions in their high school courses.

Assistance is also provided for seniors in completing college and financial-aid applications. During the summer phase, participants live on campus for six-to-eight weeks and take part in a variety of academic, cultural, and recreational activities. This summer component familiarizes students with college life while motivating, developing, and enriching their basic skills.

Special Services is funded to serve one hundred fifty college students at Pembroke State University. The program offers the following services:

- tutoring on a one-to-one or a small group basis in all majors offered at the university
- reading skills instruction in increasing vocabulary, comprehension, and rate
- study skills assistance in developing techniques of note-taking and test-taking
- assistance in applying for financial aid and scholarship programs
- guidance in academic, vocational, and personal/social concerns
- opportunities to participate in cultural activities
- access to reference and resource materials available which include magazines, paperbacks, and a file on current events.

HCAAP and *CWSSHP* are provided through the North Carolina Health Manpower Development Program. Both projects assist students interested in bio-medical and allied health careers. The chief objectives of *HCAAP* are not only to strengthen the academic and basic skills preparedness of students in order to increase their competitiveness in the admissions and selection process but also to improve the performance of students in order to enhance their potential for retention and completion of academic requirements in their chosen profession. The chief objective of *CWSSHP* is to help students find clinical, work-learning experiences. In cooperation with local health care agencies in Robeson and Scotland Counties, students are placed in a summer job closely related to their health care interests.

Students interested in Special Programs should visit our office in Livermore Library or call (521-4214 ext. 276) for information.



IV. Academic Regulations

IV. ACADEMIC REGULATIONS

Students are expected to learn the University requirements and regulations which are applicable to them, and are individually responsible for meeting all such requirements and regulations.

Before the close of each semester, the student is expected to discharge all financial obligations to the University. A student may not register for a new semester nor receive a degree, certificate, or transcript until all University bills are paid.

CLASSIFICATION OF STUDENTS

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

Less than 30 hours—Freshman
30 to 59 hours—Sophomore
60 to 89 hours—Junior
90 hours to graduation—Senior

STUDENT LOAD

All course work counts toward student load whether the student is enrolled for credit or as an auditor at this or another institution.

Full-time students must carry at least 12 semester hours each semester and may carry 18 semester hours; however, 15 semester hours is the normal load. Students who are on the current Dean's List may take a maximum of 21 semester hours.

Summer session students may carry no more than 7 semester hours each summer session term.

GRADING AND ACADEMIC ELIGIBILITY

Grading System

Grade	Interpretation	Quality Points Per Semester Hour
A	Excellent	4
B	Good	3
C	Average	2
D	Below Average	1
F	Failure	0
P	Pass	0
I	Incomplete	0
W	Withdrawal	-

The "I," or incomplete grade, is given when a student is unable to complete required work because of an unavoidable circumstance such as illness. If the "I" is not removed during the succeeding semester, it

will be recorded as an "F." In the determination of quality point averages an "I" is counted as an "F."

The "W" grade is given when a student withdraws from a course during the designated drop-add period. It is also used after the drop-add period when a student obtains the signature of his instructor to withdraw from a course prior to and including the last day of the sixth week of the semester. An "F" is given when a student withdraws from a course(s) beginning the first day of the seventh week of the semester. In addition, a student who is withdrawing from the University will receive a grade of "W" in the course. An "F" is given if a student withdraws under any other conditions. When a student receives a "W" grade, neither the grade nor the semester hours attempted are counted. When a student receives a "W" grade, the grade is recorded, but the semester hours attempted are not counted.

Academic Eligibility

Academic eligibility at Pembroke State University is based upon the quality point average earned by the student. Pembroke uses two quality point averages in making eligibility determinations. The first is the *overall cumulative quality point average* which is obtained by dividing the number of quality points earned in any and all institutions by the number of semester hours attempted in any and all institutions with the following restrictions: (1) the most recent grade earned in any repeated course is the one used, and (2) semester hours in a course repeated are counted only once. The second is the *semester quality point average* which is obtained by dividing the number of quality points earned in any semester by the number of semester hours attempted in that semester.

Minimum Scholastic Requirements. To remain eligible to attend Pembroke State University during a regular Fall or Spring Semester, a student must maintain the designated balance between semester hours attempted and his *overall cumulative quality point average* in accordance with the schedule presented below.

Semester Hours Attempted	Minimum Overall Cumulative Quality Point Average
30	1.250
45	1.375
60	1.500
75	1.625
90	1.750
105	1.875
120	2.000

If at any time a student fails to comply with the above schedule, he will be academically ineligible to continue in the regular Fall or Spring academic program.

Pembroke State University students who are academically ineligible for the regular Fall or Spring academic program may enroll in the Continuing Education Division and/or in the summer session to make up academic deficiencies. When a student has made up his academic deficiencies (with semester hours in repeated courses counted only once) and when his overall cumulative grade point average has reached the minimally accepted requirement, he will then be eligible to enroll in the regular Fall or Spring academic program.

Regulations concerning academic eligibility are subject to constant revision and change. In the event of a change, all students will conform to the newer regulations.

Honors. Any senior is eligible for honors who, at the beginning of the last semester of his senior year, has earned at least 15 semester hours of credit in residence at Pembroke State University during a regular Fall or Spring semester and who has not received more than two failing grades during his college or university career.

Students who attain an *overall cumulative quality* point average of 3.9 or higher are graduated *summa cum laude*. Those who achieve a minimum *overall cumulative quality* point average of 3.7 are graduated *magna cum laude* and students whose overall cumulative quality point average is at least 3.4 are graduated *cum laude*. Overall cumulative quality point averages are computed at the end of the semester prior to the student's last semester in school.

Dean's List. Students are eligible for the Dean's List which is issued at the close of each semester if they achieve a minimum *semester quality* point average of 3.60 while passing at least 12 semester hours of course work.

REGISTRATION

Each student must complete his registration in person. No student is considered to be officially registered until he has completed registration as outlined below. Students who fail to complete registration as prescribed will have their names dropped from all class rolls. If these students subsequently request to register, they must follow regular registration procedures just as if they had not started registration before.

The University has a two phase registration system: the preregistration phase and the registration phase.

Students currently enrolled at Pembroke State University may complete their registration by: (1) consulting with their advisors during the designated preregistration period and preparing their class schedules for the next semester, (2) obtaining a *Permit to Pay Fees* from the Registrar's Office, (3) paying tuition and fees to the Business Office, and (4) registering for course work desired during the designated registration period.

Students entering Pembroke State University for the first time or who are returning after an absence of one regular semester or more may complete their registration by: (1) obtaining a *Permit to Register* from the Registrar's Office, (2) consulting with their advisors and preparing their class schedules for the semester, (3) paying tuition and fees to the Business Office, and (4) registering for course work desired during the designated registration period.

DROPPING AND ADDING COURSES

After a student has completed registration the only way his schedule can be changed is through the drop-add procedure. To drop and/or add a course a student must obtain a Drop-Add Form from the Office of Admissions and Registration, complete the form, have it endorsed by the losing and/or gaining professors, and present it to the Business Office and the Office of Admissions and Registration.

Courses dropped during the drop-add period carry a "W" grade.

A student may withdraw from a course after the drop-add period but prior to and including the last day of the sixth week of the semester with a grade of "W" if he obtains the signature of his instructor.

In addition, a student who is withdrawing from the University, and who follows prescribed procedures for withdrawal from the University will receive a "W". An "F" is given when a student withdraws from a course under any other conditions.

REPETITION OF COURSES

Any course may be repeated. Semester hours in courses repeated are counted only once and the most recent grade is the one used in computing quality point averages. It is to the student's advantage to repeat any course as soon as possible.

INDEPENDENT STUDY

A student who wishes to enroll in 499 Independent Study in any department must: 1. be classified as a senior, 2. have a *cumulative grade point average* of 3.0 or better in his major area of study, 3. request independent study in his major area, and 4. submit a *Request for Approval of Independent Study* in triplicate to the Office for Academic Affairs. The form can be obtained from the department head responsible for the student's major area of study. It must be approved by: 1. the professor supervising the student in independent study, 2. the department head, 3. the Dean of Admissions and Registration, and 4. the Office for Academic Affairs. The student may elect to work for one, two, or three semester hours of credit.

Upon completion of the independent study, the student must

prepare a typewritten report of the study in triplicate. If the supervising professor feels it is appropriate, the report will be catalogued and permanently housed in the Library.

CLASS ATTENDANCE

Students are expected to attend all classes regularly, and excessive absences may result in failure. The authority to determine whether a class absence is to be excused or unexcused is delegated to the instructor of the class, except that absences caused by personal illness, illness or death in the immediate family, participation in a University sponsored activity, or an activity approved for instruction purposes are to be excused. The burden of proving the cause of an absence is, however, upon the student, who must submit such information as the instructor may require.

In interpreting this regulation, "immediate family" will mean parents, grandparents, siblings, spouse, and children; "university sponsored activity" will be limited to representing the University in regularly scheduled athletic contests, intercollegiate debates, or officially sponsored appearances of the University instrumental or singing groups—the activities of social, political, and religious clubs are not to be considered University sponsored activities; and "activity approved for instructional purposes," will mean such instructional activities as field trips and individual on-site experiences which have been previously approved by the Office for Academic Affairs.

Students are reminded that instructors are encouraged to take the roll regularly and that only work missed during an excused absence can be made up.

WITHDRAWAL POLICY

All students who wish to withdraw officially from the University must complete the withdrawal procedure.

Students who are registered for classes and who wish to withdraw from the University must complete a Request for Withdrawal from the University. The form is available in the Office of Admissions and Registration. First, the form must be endorsed by the appropriate authorities as indicated on the form, then it is taken to the instructor of each course in which the student is registered, and finally it is submitted to the Office of Admissions and Registration.

The instructor will give the student a grade of "W" if the student has obtained the necessary endorsements. A student who is registered for classes and who withdraws from the University without completing the withdrawal procedure will receive a grade of "F" on all courses for which he is registered.

REQUIREMENTS FOR GRADUATION

Each candidate for graduation must meet all of the following requirements:

1. Have a minimum of 120 semester hours of course work;
2. Have successfully completed the Basic Studies Program;
3. All Pembroke State University students presenting a "D" in any required freshman English Composition course must satisfy the English Proficiency requirement either by passing the Proficiency Examination given each semester and summer or by completing English 200 English Proficiency or by retaking the course(s) in question and accruing a grade of "C" or better;
4. Have successfully completed a program for an academic major;
5. Have a minimum overall cumulative quality point average of 2.0;
6. Have a minimum overall cumulative quality point average of 2.0 in major field of study;
7. Complete a minimum of 9 semester hours above the Basic Studies Program level in his major field of study at Pembroke State University if the student transferred to Pembroke;
8. Be registered during the academic year in which his graduation occurs;
9. Complete the last 30 semester hours in residence at Pembroke State University;
10. Have no more than 24 semester hours of correspondence and/or extension credit (with no more than 12 semester hours by correspondence) from regionally accredited institutions, toward a degree, provided that such correspondence credit is approved by the Office of Admissions and Registration and will not be applied to satisfy specifically stated course requirements in major programs.

Any student needing to take correspondence work after admission to study at Pembroke State University may be permitted to do so only after obtaining formal approval from his academic advisor, from the Office for Academic Affairs, and from the Office of Admissions and Registration.

11. Have the recommendation of the faculty;
12. Make application for the degree no later than the end of registration for the last semester prior to the completion of graduation requirements;
 - a. The Degree Application Form can be obtained from the Office of Admissions and Registration.
 - b. A non-refundable graduation fee of \$20.00 must accompany the application.
 - c. If a candidate fails to qualify after filing his application and his fee and before commencement, but does qualify at some

later time, he must submit another application and another fee.

- d. If the candidate fails to meet this requirement as specified he must wait until the next commencement to receive his degree.
13. Satisfy all his financial obligations to the University;
14. All candidates are encouraged to complete a file in the Placement Office.

A student who completes graduation requirements at the close of the Spring Semester is required to attend commencement which is held at that time. A student who completes graduation at any other time will have the option of returning to participate in commencement or of receiving his diploma in absentia. If the student elects to receive his diploma in absentia, he must submit a written request to the Dean of Admissions and Registration by April 15 which indicates the address to which the diploma will be mailed. When the request is made as indicated above, the diploma will be mailed after the graduation ceremony.

MISCELLANEOUS

Academic eligibility for a student shall be determined by current regulations.

A student must choose to meet the *graduation requirements* of one catalog. He may elect to meet the requirements which were published in the University catalog which was current at the time he entered this institution or a subsequent catalog; however, he will not be allowed to meet some of the requirements of one catalog and some of the requirements of another catalog.

A student whose attendance at Pembroke State University is interrupted for more than one semester must meet the requirements published in the catalog which is in effect at the time he resumes his studies or those of a subsequent catalog.

Beginning with the 1972-73 school year, a student transferring to Pembroke State University must have a minimum *overall cumulative quality point average of 2.0*. A student who transferred to Pembroke State University prior to the 1972-73 school year will receive credit only for those courses on which he has a grade of "C" or better.

Courses completed in other accredited colleges and universities for which transfer credit is requested will be evaluated in terms of Pembroke State University's academic regulations and curriculum, and in terms of the student's proposed program at Pembroke.

All courses attempted at all institutions are computed to determine a student's overall grade point average.

No student may transfer credit for more than 60 semester hours

earned in a two-year college nor may any student who has attained junior status at Pembroke receive transfer credit for any work taken after that time in a two-year college.

Fractional credit will not be granted for partial completion of any course.

The true test of civilization is, not the census, nor the size of cities, nor the crops — no, but the kind of man the country turns out.

—*Ralph Waldo Emerson*



V. Curricula and Degrees

V. CURRICULA AND DEGREES

Pembroke State University 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. The Summer Session is divided into two terms.

The University offers various liberal arts programs leading to the Bachelor of Arts or Bachelor of Science degree, programs for teacher certification in several fields, and special two-year curricula for students who intend to transfer to professional schools. Candidates who successfully complete the University requirements in the following fields receive the Bachelor of Arts degree:

Art	Music
Economics	Philosophy and Religion
English	Political Science
History	Sociology

Candidates who successfully complete the University requirements in the following fields receive the Bachelor of Science degree:

Art Education	Mathematics
Biology	Music Education
Business Administration	Physical Education
Business Education	Psychology
Chemistry	Reading Education
Elementary Education	Special Education

Candidates who hold the Associate in Applied Science Degree and who successfully complete the additional University requirements receive the Bachelor of Science in Applied Science degree.

The Division of Professional Services of the State Department of Public Instruction has approved the following teacher certification programs at Pembroke:

Elementary School	Science
K-3 (Early Childhood Certificate)	Biology
4-9 (Intermediate Grades Certificate)	Social Studies
Secondary School	Reading Education
Business Education	Special Education
English	Special Subjects (Grades 1-12)
Mathematics	Art
	Music
	Physical Education and Health

Descriptions of graduate curricula and degrees begin on pages 59 and 246.

MINIMUM BASIC STUDIES REQUIREMENTS

Graduation from Pembroke State University is based upon successful completion of the Basic Studies Program which is required for all degrees and upon successful completion of a specialized program for a major.

B.A. OR B.S. DEGREE

A student must complete forty-five (45) semester hours of course credit in 100-level and 200-level designated courses in the three basic disciplines which are the:

- I. Humanities
- II. Social and Behavioral Sciences
- III. Natural Sciences and Mathematics

The manner in which these forty-five semester hours of credit is to be distributed is indicated below:

- I. Humanities—A minimum of twenty-four (24) semester hours from the areas of:

- A. English (6 semester hours of Composition required)
- B. Fine Arts (Art, Music, Dramatics)
- C. Foreign Language
- D. History
- E. Philosophy and Religion

Credit must be earned in three of the five areas under the Humanities with a minimum of six semester hours in each of the three areas selected.

All full-time students must enroll in Composition I during their first semester of full-time study and continue consecutively thereafter until they successfully complete both CMA 105 and CMA 106, the six-hour required sequence.

An English proficiency test is required of certain students, see page 47.

Six semester hours of 200-level literature and six semester hours of 100 or 200-level history are required for teacher certification.

- II. Social and Behavioral Sciences—A minimum of nine (9) semester hours from the areas of:

- A. Business Administration
- B. Economics
- C. Geography
- D. Political Science
- E. Psychology
- F. Sociology

Credit must be earned in three of the six areas under the Social and Behavioral Sciences.

- III. Natural Science and Mathematics—A minimum of twelve (12) semester hours, with at least 3 semester hours in each area.

- A. Biological Science
- B. Mathematics
- C. Physical Science or Geology

Credit must be earned in all three areas under the Natural Sciences and Mathematics.

**REQUIREMENTS FOR MAJORS, MINORS
AND SPECIAL PROGRAMS**

A major field of study consists of not less than thirty semester hours of course credit earned in that field, at least fifteen of which must be in courses numbered above 299. Detailed requirements for

majors have been established and are printed in the department section of the catalog.

The departments offer many opportunities for departmental and interdepartmental specialty concentrations. Students interested in developing a specialty concentration should consult with their advisors and the appropriate department head about available specialty concentrations and about the possibilities for the development of an individualized specialty concentration.

REQUIREMENTS FOR A DOUBLE MAJOR

A student may elect to earn majors in two separate disciplines on the condition that he meet 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 his initial graduation his 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) He must meet all the requirements for the second degree and major.
- (2) He must complete a minimum of 30 hours in residence beyond the requirements for the first degree.

REQUIREMENTS FOR A MINOR

A recognized minor should ordinarily consist of 18 to 21 semester hours of unduplicated courses (courses not also used to satisfy basic studies or the requirements of the major field). Proposed minors containing duplicated courses will be evaluated on their own merits. The award of a minor will require 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.

The following departments offer minors:

American Indian Studies	Mathematics
Art	Music
Communicative Arts	Philosophy and Religion
Geology and Geography	Political Science
Health, Physical Education and Recreation	Psychology
History	Sociology

In addition, two (2) interdepartmental minors are available:

The World Studies Program
(see p. 243)

The Personnel and Organizational
Leadership Minor (see p. 240)

UNIVERSITY HONORS PROGRAM

The primary goals of the University Honors Program are to provide the superior undergraduate student with intellectual opportunities beyond the scope generally found in the lecture hall of a university: smaller and enriched classes, direct and personal contact with outstanding faculty members, greater curriculum flexibility, the experience of striking out on his own in intellectual pursuits, and also the opportunity to superior senior students to write an Honors Thesis or to carry out a significant creative activity or project in their major area of academic concentration.

There are three ways by which students may enter the Honors Program:

a. By invitation to incoming Freshmen—

On the basis of a combination of high school grades, generally an average of A-, and SAT scores above 1100, applicants will receive *admission with Honors*, which entitles them to participate in the Honors Program.

b. By recommendation for students in Sophomore Classification—

Recommendation by a Professor in the student's major area of concentration. (This is done by letter to the Honors Council.) The student should have a 3.5 average in his major field and a 3.0 overall average. This average plus a satisfactory completion of an Honors Thesis or significant project will be recognized as, "Graduating with Honors in His Major Field."

c. By transfer—

Transfer students from other universities and colleges who wish to join the Honors Program should write a letter of application to the Director of the Program, stating the reasons for their transfer. They should also have transcripts of their previous college work and two letters of recommendation by Professors of their last institution sent to the Director.

A minimum of twelve semester hours of Honors credit is required for completion of the Honors Program and for the student to graduate with honors in his major field. All students must complete UHP 400 and UHP 450.

Credit towards graduation shall be given for any completed Honors Program course.

See Page 241 of the catalog for Honors Program Seminars.

For further information write Director, University Honors Program, Pembroke State University.

AIR FORCE ROTC PROGRAM

The AFROTC Program mission is "to recruit, educate, and commission officer candidates through a college campus program in response to Air Force requirements." To support this mission AFROTC has

three specific objectives: (1) To recruit, select, and retain officer candidates until they are commissioned as second lieutenants in the US Air Force; (2) To provide college-level education that qualifies cadets for commissioning in the US Air Force; and (3) To strengthen each cadet's sense of personal integrity, honor, and individual responsibility, enhance knowledge of how the US Air Force serves the national interest; increase understanding of officer professionalism in the US Air Force; and develop potential as a leader and manager. General military courses are available for the Freshman and Sophomore years and professional officer courses for the Junior and Senior years.

The general qualifications for GMC entry are as follows: (a) United States Citizenship; (b) Meet college entrance medical standards; (c) Good moral character; and (d) Attend a college or university offering the AFROTC Four-Year Program or/a college or university which has a cross-enrollment agreement with an institution hosting the AFROTC program. Pembroke State University has a cross-enrollment agreement.

Advance credit for a portion of the freshman/sophomore curriculum may be granted for previous participation in high school Junior ROTC, Army or Navy Senior ROTC, Civil Air Patrol, military school, or prior active military service.

See page 234 of the catalog for a listing of the Aerospace Studies courses.

For further information write AFROTC Program, Pembroke State University.

ARMY ROTC PROGRAM

The mission of the Army ROTC Program at Pembroke State University is to attract, motivate, and prepare selected students to serve as commissioned officers in the active or reserve components of the US Army; to provide a practical understanding of the concepts and principles of military science; to develop a strong sense of duty, honor, and country; to promote teamwork and individual fitness; and to develop an understanding of and an appreciation for international relations and national security. Attainment of these objectives prepares students for commissioning and establishes a solid foundation for their professional development and effective performance in the uniformed service or in civilian enterprise.

The Army ROTC Program is of modular construction and is composed of a Basic and an Advanced Course. Enrollment in the Basic Course is open to all full-time students, and it carries with it no obligation for military service. Completion of the Basic Course is a prerequisite for application into the Advanced Course. Prior service in the military, high school ROTC, or membership in a National

Guard or Reserve unit may result in direct Advanced Course placement. Entrance into the Advanced Course is selective and is based upon demonstrated performance and leadership potential. Students who satisfactorily complete the Advanced Course and graduate from the University are commissioned as Second Lieutenants into the US Army.

The general qualifications for entry into the ROTC Program are as follows: (a) United States Citizenship; (b) Meet college entrance medical standards; (c) Good moral character; and (d) Be enrolled as a full-time student at Pembroke State University.

For further information, write Department of Military Science, Pembroke State University.

PROGRAMS FOR EXPERIENTIAL LEARNING

Practical work experience is very important in today's world. Students at Pembroke State University may elect to get some practical work experience which is related to their program major or specialty concentration through several practical work experiences.

Experiential Learning Program

Experiential Learning at Pembroke State University is basically an off-campus working and learning situation in which the student himself negotiates a proposal in the area of his interest with the University and the Agency in which he wishes to work. Experiential Learning is available in all departments with the approval of the departmental chairman.

The following regulations govern the offerings of Experiential Learning:

1. The Experiential Learning Program consists of Experiential Learning I and Experiential Learning II. A student must take the courses in numerical order. They cannot be taken concurrently.
2. The amount of credit that can be earned in Experiential Learning I and II varies from one to three semester hours in each course; is jointly determined by the student and the student's major advisor on the basis of what the student contracts to do.
3. To be eligible for enrolling in Experiential Learning I or II a student must:
 - a. have declared for a major program or specialty concentration in a department which provides its students with practical work experience through Experiential Learning I and II.
 - b. be classified as a junior or a senior.
 - c. have an overall cumulative quality point average of at least 2.0.

- d. have the written recommendation and approval of his major department chairman and his major advisor.
4. Each eligible student who registers for Experiential Learning I or II is required to sign and carry out a written work-learning contract jointly developed by the student, the student's advisor, and the agency providing the practical work experience which states:
 - a. what the student is to do, what the major advisor is to do, and what the agency on or off campus is to do.
 - b. the number of semester hours of credit the student will earn in completing the contract.
 - c. that credit will be earned only if all of the contracted work is completed within a contract period of one semester or term of the summer session.
5. Eligible students are allowed to use not more than a total of six semester hours of credit in Experiential Learning I and II in meeting the 120 semester hours minimum requirement for the degree.

Cooperative Education Program

Cooperative Education is an arrangement whereby Pembroke State University cooperates with an outside business or agency to help a student directly explore a career-related field as an integral part of his educational program. The program allows participating students to alternate full-time work and on-campus study as complementary educational experiences while pursuing an academic degree program. To be eligible, a student must have completed a minimum of 30 semester hours and normally must have earned a cumulative GPA of 2.00 or above. Participants receive pay and academic credit for the work experience which are coordinated and supervised by the Career Planning and Placement Office.

Internship Program

The Internship Program provides opportunities for students to earn academic credit for approved work or research programs in cooperating businesses, governmental, or educational organizations. The internships, which are of one term duration, are open to qualified junior or senior students with the approval of the department chairman. Further information is available from the Career Planning and Placement Office.

THE GRADUATE PROGRAM

The Master of Arts in Education programs in Elementary Education and in Educational Administration and Supervision provide curricula and leadership training for the continuing professional and career development of public school educators. Within the programs, specialties are offered leading to certification in early childhood education, intermediate education, educational administration and supervision (curriculum and instruction).

Candidates for the Master of Arts in Education degree will be required to complete successfully a minimum of thirty semester hours in the prescribed program of graduate study. Where it is felt that more work is required to prepare a candidate for the degree and/or graduate certification, the number of semester hours of work will be increased accordingly.

The curriculum core in the early childhood and intermediate areas of elementary education consists of twelve semester hours of education in the areas of curriculum, research, diagnosis and evaluation of pupils and programs, and language development and reading complemented by eighteen or more semester hours of appropriate electives.

The curriculum core in educational administration and supervision consists of eighteen semester hours of education in the areas of educational administration and supervision, curriculum, research, and an internship complemented by twelve or more semester hours of appropriate electives.

The direction in which education starts
a man will determine his future life.

—*Plato*



VI. Student Life And Affairs

VI. STUDENT LIFE AND AFFAIRS

Student Government

Although discipline is the legal responsibility of the Administration, the principle of Student Government is fully supported by the administration and faculty. All students attending Pembroke State University automatically become members of the Student Government Association. Student Government functions through its elected representatives and its sponsor, the Vice Chancellor for Student Affairs. Officers of the Student Government Association are elected by the student body each spring according to the constitution and bylaws of the organization.

ATHLETICS

Pembroke State University attempts to maintain a well-rounded program in both intercollegiate and intramural athletics. The University holds membership in the National Association of Intercollegiate Athletics, the National Collegiate Association of Athletics and the Carolinas Intercollegiate Athletic Conference, and fields representative teams in baseball, basketball, cross country, golf, soccer, tennis, track, and wrestling.

The University offers women the opportunity to participate on the following intercollegiate teams: basketball, softball, volleyball and tennis. The University is a member of the North Carolina Association of Intercollegiate Athletics for Women, the Southern Region II, the National Association of Intercollegiate Athletics and the Carolinas Intercollegiate Athletic Conference.

Regular competition in several intramural sports is available to men and women students in the Intramural Department. The program includes the following activities: basketball, volleyball, softball, tennis, badminton, racquetball, bowling, table tennis, swimming, flag football, horseshoes, and track and field.

CULTURAL PROGRAMS

There are many opportunities for cultural enrichment at P.S.U. The Pembroke Players produce four main-stage plays each year plus numerous studio theater productions in the Performing Arts Center. The Music Department contributes programs of the band, chorus and the ever popular Singers and Swingers. The Lyceum Series provides five or six professional touring groups each year. Also, student and faculty art shows are displayed in the lobby of the Performing Arts Center.

CO-CURRICULAR ACTIVITIES

The Pembroke State University community believes that students should become actively involved in the co-curricular activities of their University. This involvement should be an important part of the student's campus life. The administration at Pembroke State is dedicated to providing the student body with a variety of activities that will complement the fine advantage of these activities.

The Band is open to all students regardless of major. The band appears in parades and festivals in addition to a regularly scheduled series of concerts. As a marching group they travel in neighboring states as well as in North Carolina.

Cheerleaders are selected through competition. In addition to cheering at athletic events, the Cheerleaders are campus leaders in furthering the positive aspects of school spirit.

The Chorus is open to all students regardless of major. The Chorus is a large mixed vocal organization that specializes in performing works of a serious nature as well as the light classics. The Chorus appears before campus groups and local groups, and represents the University on tours.

The Indianhead is the University yearbook. All students are eligible to work on the staff.

Bat Girls is a 5-6 member group of girls that assist the players at all baseball games both at home and away and are chosen by the Baseball Coach.

Mat Maids is a group of girls that assist the wrestlers in preparation for their matches. They are chosen by the wrestlers and their coach.

Soccer Maids is a group of girls that assist the players at all soccer games both at home and away and are chosen by the soccer players and their coach.

The Pep Band is open to all students regardless of major. It specializes in performing at University athletic contests and other special occasions.

The Pine Needle is the student newspaper. All students are eligible to work on the staff.

The Players is a dramatics organization which offers members the opportunity to appear in plays and to engage in play productions.

The Singers is open to all students regardless of major. The Singers is a mixed-voice ensemble which specializes in performing popular songs before campus groups, local civic organizations, and goes on University tours.

The Swingers is open to all students regardless of major. The Swingers is an instrumental ensemble which specializes in performing popular music, modern dance arrangements before campus groups and local civic organizations, and goes on University tours.

CAMPUS CLUBS

Aletheia (Philosophy-Religion) Club is open to anyone with an interest in fellowship among students and faculty in philosophy and religion; it offers extracurricular opportunities for enrichment through speakers, etc., and information regarding job opportunities and further educational possibilities in this area.

The American Indian Student Association is open to all students and its primary purpose is to create an Indian awareness and concern for the Native American.

The Association for Childhood Education International is open to anyone interested in early childhood education. The club's programs stress the important phases of early childhood education.

The Black Student Organization is open to all students and its primary purposes are to foster the idea of Black identity, promote the true spirit of Black unity, and insure effective participation in decision-making processes that affect the organization's members.

The Circle K Club is sponsored by the Pembroke Kiwanis Club and is open to all students.

The Euclidian Mathematics Club is open to students interested in mathematics.

The PSU History Club exists primarily as a service organization for students of the department, and for others who are interested in history and wish to participate in the club's functions.

The Medical Careers Club is open to all students. Its primary purpose is to promote awareness and interest in all areas of the health professions.

The Music Educators National Conference is open to music majors and minors. The MENC emphasizes music education.

The Natural Science Club is open to anyone interested in natural science.

The PSU Chapter of the North Carolina Association for the Education of Young Children is open to all students and its primary purpose is to foster, encourage, and coordinate activities in relation to the education and well-being of children.

The Pi Beta Chi Business Fraternity is open to all students majoring in Business Administration or Business Education. Its primary purpose is to develop the student's knowledge and understanding of business administration and business education problems.

The Political Science Club is open to all students majoring in any curriculum offered by the Political Science Department.

The Psychology Club is open to all students interested in psychology.

The Social Work Club is open to any student interested in social work.

The Applied Sociology Club consists of students interested in practical applications of the science of sociology such as community

development and town planning, occupational guidance and vocational rehabilitation, etc. It is open to all students.

The Student Council for Exceptional Children is dedicated to promoting the welfare and education of exceptional children and adding professional growth for the members.

The Student National Education Association is open to all students interested in the affairs of public education.

RELIGIOUS ORGANIZATIONS

Religious organizations on the Pembroke State University campus are based on the philosophy of providing spiritual enrichment, social activities, and Christian service.

They are: The Baptist Student Union
Chi Alpha
Kings Pentecostal Fellowship
Methodist Student Movement
PSU Catholic Community
Westminster Fellowship

HONORARY ORGANIZATIONS

Alpha Chi is a National Honor Society. Membership is comprised of the top ten percent of the junior and senior classes.

Alpha Omega is a music sorority for women majoring or minoring in music.

Alpha Psi Omega, the national dramatics fraternity, is open to those who excel in dramatics.

Alpha Theta Honorary Historical Fraternity is open to those students majoring or minoring in history who have at least a 3.0 grade point average in 12 or more hours of history.

The Marshals of Pembroke State University are elected by a joint committee of faculty and students. The Marshals officiate at many University functions.

The National Art Education Association is an organization established to foster and stimulate the development of the artistic and creative interest of the college community.

Phi Mu Alpha Sinfonia is the national music fraternity open to those males who are interested in promoting music.

Pi Sigma Alpha is a national political science honor society open to students interested in politics.

Psi Chi is a national honor organization to advance the science of psychology and to encourage, stimulate, and maintain the scholarship of individual members in all fields, particularly in psychology.

Sigma Tau Delta is a national English organization designed to offer majors and faculty members in communicative arts an opportunity to share ideas, to bring speakers to campus, and to enhance student-professor relationships.

The **Sociology Honor Society** is open to those students with an overall 3.0 grade point average who are interested in the study of society.

SORORITIES

There are three sororities at Pembroke State University. They function as social organizations dedicated to enhancing the quality of community life on campus. Each sorority also undertakes many worthwhile service projects throughout the year.

The sororities are:

Sigma Sigma Sigma
Kappa Delta
Zeta Tau Alpha

FRATERNITIES

There are four fraternities at Pembroke State University. They are social organizations, dedicated to enhancing the quality of social life on campus. Many projects are undertaken by each fraternity each year for the betterment of the University and the community.

The fraternities are:

Alpha Omega Upsilon	Pi Kappa Phi
Pi Kappa Alpha	Tau Kappa Epsilon

WHO'S WHO AMONG STUDENTS IN AMERICAN UNIVERSITIES AND COLLEGES

Students selected for inclusion in this publication are chosen by a joint faculty-student committee and are judged on their total contributions to the University rather than their academic achievements alone.

MISS PSU AND MISS HOMECOMING

Miss Pembroke State University is selected by a panel of professional judges at a pageant held on campus during the Fall semester. Miss Homecoming is selected by popular vote of the student body during the Spring semester.

STUDENT HOUSING INFORMATION

All freshmen and sophomores are required by University regulations to live on campus until they have earned 60 semester hours unless exempted prior to registration. An Application for Campus Housing **MUST BE COMPLETED BY EVERY FRESHMAN AND SOPHOMORE STUDENT** entering Pembroke State University and by all other students who plan to live on campus.

An application for dormitory housing can be obtained from the Director of Student Housing, Pembroke State University, Pembroke, N.C. Room assignments are made in June preceding the Fall semester and in December preceding the Spring semester. Exemption requests will be considered and ruled on by the Housing Office: Students will be notified of the decision within ten days of their action.

At Pembroke State University housing is an integral part of the educational program. Residence halls are considered to be more than merely places to sleep; they are "home" for a few years for many students. The University's aim is to provide residence halls that offer an environment conducive to studying and to providing an opportunity for each student to develop socially and academically. The residence halls are essentially operated by the residents themselves. Especially mature, well-qualified students are employed as hall counselors. Hall counselors have many duties; however, one of their primary duties is to extend the services of the Guidance and Testing Center into each room of the dormitory. The Dormitory Hearing Boards, elected by the dormitory students, make the dormitories essentially self-governing.

Residence halls are located within walking distance of all campus facilities including classroom buildings, library, cafeteria, snack bar, student union, bookstore, post office, and recreational facilities. A wide selection of campus recreational facilities and programs are available to all students. Students are encouraged to become involved in the different activities and student organizations on campus.

In order to reserve a room on campus, an application for housing and a \$25 dormitory deposit should be mailed to: Director of Housing, Pembroke State University, Pembroke, N.C. 28372. This application and deposit must be on file before a permanent room assignment can be made. The deposit protects your room reservation until you either graduate or terminate your stay on campus and is refunded provided the procedures listed below are followed.

Dormitory Deposit

1. Incoming new students: The University will refund all but \$10 of the room deposit if written notice of cancellation is received by August 1st, preceding the Fall semester, and by December 1st, preceding the Spring semester. After these dates the deposit is non-refundable. Applicants who are not accepted for admission will receive a full refund on their deposit.
2. Established residents: The \$25 dormitory deposit (less damages) will be refunded provided that the resident submits written cancellation by November 15th, preceding the Spring semester, and by April 15th, preceding the Fall semester.

Exceptions are made only for service in the military, physical incapacitation, and academic ineligibility. In each situation, the Hous-



ing Office must be provided written proof. Failure to comply with the foregoing policies will result in forfeiture of the room deposit.

Key Deposit

A key deposit of \$5.00 will be charged to each student when he picks up the room key. This deposit is refunded when the student returns the key.

SUMMER HOUSING

Room, linen, and board are available during both terms of the Summer Session at the rate of \$180.00 per term. A \$25.00 deposit is necessary to secure a dormitory room.

CAFETERIA

Students residing in campus dormitories are required to purchase a meal plan. Any student requiring a special diet should obtain a copy of the prescribed diet from his physician and submit it to the Manager of the Food Service.

The meal card is **NOT TRANSFERABLE** under any circumstances, and each student must attach a valid PSU I.D. card to the meal card. Lost meal plans can be replaced at the cost of \$10.00: This charge is refundable if the original meal plan is recovered. Then, fifteen, and twenty meal plans are valid seven days a week.

COUNSELING SERVICE

The University provides psychological counseling services through the Guidance Center located in Old Main. Students who are experiencing personal, interpersonal, or academic difficulties are encouraged to make an appointment with a trained counselor at the Guidance Center as soon as possible.

The Guidance Center also provides students personal development opportunities through the use of such activities as personal growth groups, assertive training, vocational counseling, interpersonal communication workshops, and premarital counseling. The Guidance Center is staffed with a counseling psychologist and a clinical psychologist. All conferences are completely confidential.

HEALTH SERVICE

Pembroke State University is proud of its modern 22-bed infirmary, which offers 24-hour coverage. The University is supervised by a part-time physician who is in the clinic each morning, Monday through Friday. He is assisted by a full-time nursing staff consisting of a registered nurse, who is the University Nurse and who supervises the nursing staff of six nurse assistants.



CAREER PLANNING AND PLACEMENT SERVICES

The Career Planning and Placement Office exists to assist students and alumni with career planning and with seeking and securing meaningful full-time employment. Students are afforded the opportunity to explore career opportunities with recruiters from a large number of business firms, government agencies and school systems which conduct on-campus interviews during the school year. The Placement Office also maintains and makes available to students and alumni a library of resources related to careers and job seeking techniques, including information about specific careers, employers, salary trends, the job market, graduate and professional schools, and part-time and summer employment opportunities.

All students are urged to register with the Career Planning and Placement Office and to complete a credential file when they become seniors regardless of whether they have an immediate need for the service. The student's credential file, a major service offered by this office, may include an unofficial copy of the transcript, personal data form, letters of reference from professors, resume, and student teaching reports for those who do student teaching. Upon request by a prospective employer or registered student, a set of the student's credentials is sent to the employer by the Placement Office. This file serves as a permanent repository of credentials.

Students whose records are in the active file are recommended to prospective employers and notified of specific job opportunities which meet the candidate's geographic and career field preferences and for which the candidate is qualified to apply.

The Director is available for counseling with registrants who need information about job opportunities. There is no charge for any of the placement services, and it is a life-long service.

DISCIPLINE

Pembroke State University is an institution for the education of young men and women who expect to take their places as responsible, trustworthy citizens of their country. It takes for granted that students will not be guilty of unmanly or unwomanly conduct.

The aim of all discipline is two-fold: First, to develop self-control in the individual; and second, to protect the welfare of society.

Students who cannot or will not comply with the few and simple rules governing the student body are subject to dismissal.

The institution reserves the right to decline to register students whose past record is such as to indicate moral, scholastic, or general conduct unfitness.

All students are expected to observe the rules and live by the general codes of conduct as stated above and enumerated in the *Student Handbook*. Students living in the University dormitories are expected to observe special rules applicable to dormitory students.

VEHICLE REGISTRATION

Each motor vehicle, including two-wheeled vehicles, driven or parked on the campus by students, faculty, or staff must be registered in the Business Office and must display a valid parking permit. These parking permits can be purchased in the Cashier's Office for a \$5.00 fee (valid for one year only).

Students, faculty, and staff members are all subject to traffic rules and regulations. It is your responsibility to obtain a copy of the Traffic Rules and Regulations when you register your vehicle in the Business Office. These regulations are strictly enforced by the campus police officers. Fines must be paid before any records can be released from the University.

It is a privilege and not a right for a person to keep or operate a motor vehicle on the campus of Pembroke State University. Each student, faculty, or staff member must agree to comply with the traffic rules and regulations before keeping or operating a vehicle at Pembroke State University. The University reserves the right to withdraw motor vehicle privileges from any person at any time.

Parking facilities on campus are limited and on many occasions there will not be sufficient parking spaces available to accommodate all vehicles in their respective legal parking zones. In such instances, the driver concerned **IS NOT PERMITTED** to park in an illegal or restricted zone.



THE TRAFFIC CONTROL COMMITTEE

A Traffic Control Committee is appointed each year by the Chancellor of the University. The Committee consists of six regular members: two students, two faculty, and two staff.

The Traffic Control Committee operates as a policy advisory group and makes recommendations regarding traffic control, parking, vehicle registration, violations, and penalties. The recommendations of this Committee are subject to final approval of the Chancellor.





VII. Student Finances

VII. STUDENT FINANCES

FINANCIAL AID

Pembroke State University makes every effort within the limitations of her available financial aid resources and University and federal regulations to provide assistance to students who, without aid, would be unable to begin or continue their college education. Financial assistance is available in the form of scholarships, grants, loans, and part-time employment.

Financial aid is awarded on the basis of academic achievement and demonstrated financial need. The first responsibility of financing a student's education rests with the student and his family. A student's parents are expected to contribute towards his or her expenses insofar as they are able from income and assets. A student is expected to provide funds for his or her own education through savings, summer work, and other resources. Each student is considered individually on the basis of the family financial situation. The financial need of a student is determined by the resources available to the student and the University expenses. Since a student's financial aid award reflects the student's financial situation, it is confidential information and should not be made public by the University, the recipient or anyone else.

All applicants for financial aid are required to complete the Financial Aid Form and the Financial Aid Form Supplement. These forms may be obtained from high school guidance counselors after January 1. The Financial Aid Form should be completed and mailed to College Scholarship Service, Box 2700, Princeton, NJ 08541 no later than March 1.

To be eligible to receive financial assistance, a freshman must meet all the requirements for admission to Pembroke State University. Upperclassmen and transfer students must be in good scholastic standing.

SCHOLARSHIPS

Academic Scholarships

The alumni and friends of Pembroke State University have provided funds to aid students who demonstrate above average academic ability and who are in financial need. The awarding of these scholarships is the responsibility of the Financial Aid Officer with the approval of the Faculty Scholarship and Student Assistance Committee.

Athletic Scholarships

The Alumni of Pembroke State University have provided funds to aid young athletes who show exceptional skill in the area of intercollegiate sports. The awarding of these scholarships is the responsibility of the coach in cooperation with the administrators of the University.

The Student Government Association of the University provides some funds, earned through the rental of refrigerators to dormitory residents, for academic and athletic scholarships. The awarding of these scholarships is the responsibility of the Financial Aid Officer with the approval of the Faculty Scholarship and Student Assistance Committee.

Max M. Weinstein Memorial Scholarship

This scholarship is awarded annually to a history major selected by the faculty of the History Department. The recipient is selected on the basis of scholarship and need.

Sociology Scholarship

This scholarship is awarded annually to a sociology major selected by the faculty of the Sociology Department. The recipient is selected on the basis of scholarship and need.

Lumberton Coca-Cola Bottling Company Scholarship

Scholarships in the amount of \$400 each are offered annually by the Lumberton Coca-Cola Bottling Company, Lumberton, North Carolina. These scholarships are awarded to North Carolina residents on the basis of need and scholarship.

Singer-Swinger Scholarship

A fund was established by the Singers and Swingers to provide financial assistance to students who are enrolled in one or more of the music performing groups on the Pembroke State University campus. These scholarships are awarded by the Music Scholarship Committee on the basis of financial need, talent, and the needs of the University. The Music Scholarship Committee is made up of the presidents of the choir and band, plus three faculty members.

Margaret S. Jones Endowed Scholarship Fund

This fund was established by friends of Pembroke State University in honor of Mrs. Margaret S. Jones, wife of former chancellor Dr. English E. Jones, to aid students in obtaining their educational goals.

North Carolina Tuition Grants

Funds for tuition grants, allocated by the North Carolina Legislature, are made available on an annual basis to residents of North Carolina in attendance at Pembroke State. These grants are limited to basic tuition costs.

Basic Educational Opportunity Grants

This program is for students who have very high financial need. The U.S. Government fixes the amount of financial assistance a student may receive under a Basic Educational Opportunity Grant in terms of his need. These grants are awarded upon acceptance or enrollment in an institution of higher education. Applications are available in the University's Financial Aid Office and the high school guidance counselor's office. To apply for a Basic Grant a student must complete the Financial Aid Form (FAF) and indicate in the appropriate section that he/she wants to be considered for a Basic Educational Opportunity Grant. The Basic Grant Student Eligibility Report will be sent to the student's home address. The student must submit all three copies to the Financial Aid Office whether or not the student is eligible for a Basic Grant.

Supplemental Educational Opportunity Grants

The purpose of this program is to provide Supplemental Educational Opportunity Grants to students who have exceptional financial need, who would be unable to enter or remain in college without such assistance, and who show academic or creative promise. The grant may be received each year of undergraduate study, up to four years, if the student continues to qualify for assistance. Students must reapply each year.

North Carolina Student Incentive Grant Program

This program is administered by College Foundation, Inc. Funds are provided to the Foundation by the North Carolina State Education Assistance Authority under the 1965 Higher Education Act, as amended, from state and federal appropriations. To qualify for a NC Student Incentive Grant, a student must be a legal resident of North Carolina, accepted for enrollment or enrolled fulltime, in good standing, in an undergraduate program and demonstrate a "substantial financial need" as determined through the need analysis system of College Scholarship Service or American College Testing Program. Grants are based on individual student's demonstrated need; in relation to resources and the cost of education, but may not exceed \$1,500.00 per academic year.

To apply for NCSIG, the student's parents and/or the student and spouse must complete the Financial Aid Form (FAF) and enter North Carolina Student Incentive Grant Program Code 0742 in the section for listing institutions and programs to receive a copy of the FAF. All North Carolina residents are encouraged to apply for this grant.

All students applying for the NC Incentive Grant should also apply for the Basic Educational Opportunity Grant.

Vocational Rehabilitation Scholarships

Students who have physical disabilities which constitute vocational handicaps are eligible for scholarships from the North Carolina Vocational Rehabilitation Department. For information, qualified students should write to the Department of Vocational Rehabilitation, Raleigh, North Carolina.

LOAN FUNDS

National Direct Student Loan Program

Assistance is available in the form of loans which bear no interest while the student is enrolled in school. The borrower is not required to begin repayment until one year after he ceases to pursue a full-time course of study. The loans bear interest at the rate of four percent per year and the repayment may be extended over a period of ten years as long as a minimum repayment of \$30 per month or \$90 per quarter is made.

Loan awards are made to high school graduates who have been accepted for enrollment or students presently enrolled who are in good standing, and who need financial assistance for educational expenses. The amount of the loan the student receives is determined by the institution.

. C. State Scholarship Loan Fund For Prospective Teachers

Students desiring loans of this type should make application to the North Carolina State Department of Public Instruction, Raleigh, North Carolina. This fund provides as much as \$900 per year in financial aid for a prospective teacher.

Memorial Emergency Loan Fund

This is a revolving loan fund. This fund was established through the efforts of Mr. Lacy Maynor, a former Judge of Records Court.

Herbert G. Oxendine Memorial Loan Fund

This fund was established by friends of the late Dr. Herbert G. Oxendine who, for many years, taught at Pembroke State University.

Because of Dr. Oxendine's great interest in education and in Pembroke State University, it was the desire of his many friends to establish a fund in his name to aid students in furthering their education.

James Fulton Lowery Memorial Loan Fund

The fund was established in memory of one of Pembroke's business leaders. Mr. Lowery, for many years, was President of the Pembroke State University Alumni Association. It was his desire that every student who wanted to further his education be given the opportunity to do so.

John J. and Steve Brooks Memorial Loan Fund

Mrs. John J. Brooks established this fund as a memorial to her dearly beloved husband and son. Mr. Brooks was an alumnus of this institution and an educator in this county for many years. He was extremely concerned that people be given an opportunity to further their education. Mr. Steve Brooks their son was also a student at Pembroke State University.

L. W. Jacobs Memorial Loan Fund

The Mt. Airy and Harpers Ferry Baptist Churches established this fund in honor of Rev. L. W. Jacobs who served this community for over half a century as a pastor and who served as Chairman of the Board of Trustees of Pembroke State University for over thirty years. Rev. Jacobs was keenly aware of the financial problems many students face as they endeavor to continue their education and he believed that all qualified people should be afforded an educational opportunity.

College Foundation, Inc.

The Federally Insured Loan Program in North Carolina is administered by College Foundation, Inc., Raleigh, North Carolina. To obtain a federally insured loan, a student must provide proof of financial need and be accepted for enrollment or enrolled and in good standing. The interest on a loan is nine percent per year. Borrowers who are determined to have a need will be eligible for payment of the interest by the U.S. Government during the enrollment, grace and deferment periods. All borrowers are responsible for the payment of interest during the repayment period.

Students interested in obtaining a loan under this program may obtain an application from the College Foundation, Inc., 1307 Glenwood Avenue, Raleigh, NC 27605.

Out-Of-State Student Loans

Out-of-state students who are interested in applying for a federally insured student loan should contact their banks or state higher education assistance agencies concerning state administered, guaranteed student loan programs.

STUDENT EMPLOYMENT

The student employment programs help eligible students pay University expenses while attending classes full time. Students participating in the programs are employed with the Maintenance department, Library, Cafeteria, Switchboard, Administrative and Departmental Offices, and Laboratories.

The student employment programs consist of the University Self-Help Program and the College Work-Study Program which is a federal assistance program. To participate in the programs, a student must have a completed application for aid on file in the Financial Aid Office.

A student's work schedule will depend upon class schedules and can be arranged by the student and his work supervisor. These jobs provide learning opportunities as well as financial aid.

VETERANS

Veterans who enter the University under Chapter 31, Title 38, U.S. Code, Vocational Rehabilitation for Disabled Veterans, and have the approval of the Veterans Administration will have their University fees paid directly to the University by the U.S. Government.

Veterans eligible for the G.I. Bill, Chapter 34, Title 38, U.S. Code effective June 1, 1966, must make application for their benefits. For information regarding eligibility, or application forms, contact the Veterans Administration, Regional Office, 251 North Main Street, Winston-Salem, North Carolina or the Financial Aid Office, Pembroke State University. Transfer students on the G.I. Bill should complete VA Form 21E-1955, Request for Change of Program or Place of Training, prior to the time they plan to transfer.

Once the veteran is enrolled, he must attend classes regularly to continue receiving benefits. Each veteran will complete an attendance roster bi-monthly and file with the Financial Aid Office on campus. This will be checked by the Financial Aid Office to assure the VA Regional Office that veterans remain eligible for benefits.

VETERAN DEPENDENTS

Children of disabled or deceased veterans may receive financial assistance in the payment of tuition, room, meals, and other required university fees. For information and application forms, students

should write to the North Carolina Department of Veteran Affairs, Raleigh, North Carolina.

Chapter 35, Title 38, U.S. Code provides for the training of the children, wives, and widows of disabled or deceased veterans. Eligible students should contact their local Veterans Administration Office or the Veterans Administration, Regional Office, 251 North Main Street, Winston-Salem, North Carolina, for information about the possible benefits of federal programs administered by the Veterans Administration.

Students enrolling under provisions of Chapter 34 and 35 will pay fees at the time of registration and receive a monthly education and training allowance from the Veterans Administration. Since the first check is usually delayed, a veteran should make his arrangements as early as possible.

STUDENT FEES

Tuition and all fees are due and payable in full by registration day for each semester or summer term. Please make checks or money orders payable to Pembroke State University.

It is the policy of the administration and trustees to keep the cost of a college education as low as possible. The fees now in effect are, however, subject to change without notice. Since Pembroke State University is maintained by the people of North Carolina for the education of residents of this state, it is available to them at less cost than to nonresidents. The residency status of each student is determined at the time of original admission.

Registration for any semester or session may not be completed until all special or extra fees, fines, payments for lost or damaged articles, etc., incurred in the previous semester or session, have been paid; no transcript of record will be issued until all fees owed have been paid.

TUITION WAIVER FOR PERSONS AT LEAST 65 YEARS OLD

Under the provisions of Chapter 606, 1975 Session Laws, the Board of Governors at its meeting of September 12, 1975, adopted a resolution establishing rules permitting legal residents of North Carolina who have attained the age of 65 and who meet applicable admissions standards to enroll for courses tuition-free on a space-available basis. The 1977 Session of the General Assembly enacted a law effectively re-establishing, but modifying, this tuition waiver privilege established in the 1975 Session for persons at least 65 years old. The 1977 law (Chapter 981, 1977 Session Laws) modified the 1975 law in two respects: (1) it established, rather than merely authorized establishment of, the privilege; (2) it required, rather than prohibited,

the counting of these students in the computation of enrollment for State funding purposes. Questions concerning tuition waiver may be directed to the Office for Business Affairs.

RESIDENCE STATUS FOR TUITION PAYMENT

It is a long-standing practice of the State to require students who are not residents of the State to pay a higher rate of tuition than that charged North Carolina residents. To qualify for in-state tuition, the applicant must generally have lived in North Carolina for a minimum period of twelve months immediately prior to his or her enrollment in an institution of higher learning. During this twelve-month period, the applicant's presence in the state must constitute legal residence in accordance with the University's guidelines as prescribed by the General Assembly. Copies of the applicable North Carolina law and institutional regulations which govern such classification determinations are available in the Office of Admissions for inspection upon request. The student requesting in-state residence is responsible for being familiar with the contents of these two sources.

**SCHEDULE OF UNDERGRADUATE EXPENSES
PER SEMESTER—REGULAR SESSION**

Semester Hrs.	In-State	Out-of-State
3	\$ 51.00	\$274.50
4	63.00	361.00
5	75.00	447.50
6	87.00	534.00
7	214.00	735.50
8	226.00	822.00
9	238.00	908.50
10 or more	250.00	995.00

For Students Living on Campus

Add:

Room, Linen and Board	\$605.00	\$ 605.00
-----------------------------	----------	-----------

Students may select a 15 meal plan, valid seven days a week, at a reduction of \$20.00 or a 10 meal plan valid seven days a week, for a reduction of \$40.00. A meal plan is mandatory for dormitory students and meal plan changes will not be made after the first week of each semester.

(A returned check charge of \$5.00 will be levied on each returned check.)

**SUMMER SCHOOL
(Each Five-Week Term)**

Semester Hrs.	In- State	Out-of-State
1	\$ 43.00	\$117.50
2	55.00	204.00
3	67.00	290.50
4	79.00	377.00
5	91.00	463.50
6	103.00	550.00
7	115.00	636.50

(A returned check charge of \$5.00 will be levied on **each** returned check.)

STUDENT ACTIVITY FEE

The above charges include a mandatory \$22.00 activity fee which provides services such as infirmary, student center, student government, and gym fee.

ROOM AND BOARD

A dormitory room, linen, and a full meal plan are available for each five-week session at a cost of \$195.00. Private rooms may be requested for an additional \$25.00 for each five-week session.

A meal plan is mandatory for dormitory students. Those who do not desire meals on weekends may elect a 15 meal plan, valid Monday through Friday, at a reduction of \$15.00. Changes in meal plans cannot be made after the first week of each session.

LIST OF FEES

APPLICATION

Application Fee \$ 10.00

This fee is paid at the time of initial application, is non-refundable, and cannot be applied to meet any other charges.

TUITION

(Per Semester)

Tuition
 North Carolina Residents 135.00
 Out-of-State Residents 880.00
 Students taking 10 semester hours or more must pay this fee.

GENERAL FEES**(Per Semester)**

Health Services 35.00

This fee is used to operate the University Infirmary. All regular students taking 7 semester hours or more are required to pay this fee.

(Student Accident and Sickness Insurance is optional and **not** included in the fees.)

Other Required Fees 80.00

This fee is used to support various University programs such as Athletics, Band & Chorus, Dramatics, and Student Center. A portion of these funds are allocated to the Student Government Assoc. to support Student Government activities including Yearbook, Newspaper and Lyceum Series. All students taking 7 hours or more are required to pay this fee.

MISCELLANEOUS FEES

Room, Linen, and Board 605.00

Graduation Fee (Undergraduate) 20.00

(Graduate) 30.00

This fee must be paid at the time the student makes application for graduation. It is used to pay for the rental of cap and gown and for the diploma. This is non-refundable fee.

Late Registration Fee 5.00

Students who register for classes after the scheduled registration date has passed must pay this fee.

Change of Course Fee 2.00

Students who voluntarily drop or add courses after the first day of classes in any semester must pay \$2.00 for each course involved.

Identification Card 1.00

This fee is payable at the time your I.D. card is made. The I.D. card is valid for 1 year and is necessary to attend student activity functions. Lost I.D. cards will be replaced for \$2.00.

Vehicle Registration Fee	10.00
A vehicle registration permit is valid for one full year, commencing August 15. Permits sold after May 31 are \$2.00 and valid for Summer Sessions only.	
Transcript Fee	\$ 1.00
The initial copy of a transcript is free and each additional copy is \$1.00.	

REFUND POLICY

Please allow two weeks for the processing of any refund request.

Tuition and Fees

If a student officially withdraws from the University during regularly scheduled registration period, he will receive a full refund of tuition and fees, except for a registration fee of \$10.00.

After the end of the registration period, refunds for tuition and fees, except registration fee, will be made on a pro-rata basis.

No refund will be made for dropped courses unless it occurs during the regularly scheduled registration period, except during summer sessions.

No refunds under any condition will be made after the midpoint of the semester.

No degree or transcript of credits will be furnished until all financial obligations to the University have been satisfied.

Room, Linen, and Board

If a dormitory student moves out of the dormitory prior to the close of registration, a \$25.00 penalty will be charged and the room deposit will also be forfeited. Meals will be prorated on a weekly basis.

No refunds for housing or meals will be made after registration unless the student *officially withdraws* from school. It will be prorated on a weekly basis. No refunds for housing will be made after mid-semester under any condition.

Dormitory Deposit

1. Students living in dormitory—The \$25.00 dormitory deposit (less breakage) will be refunded provided:
 - (a) The student has notified the Housing Office in writing on or before the first Monday after Thanksgiving Holidays that he will not need his room for the following Spring semester, or
 - (b) The student has notified the Housing Office in writing on or before April 15 that he will not need his room for the following Fall semester.

- Incoming new students—The dormitory deposit will be refunded provided the Housing Office has been notified in writing by July 15 (or within 10 days after acceptance) that he is cancelling his room reservation for the Fall semester.

Exceptions will be made only for draft into the military, physical incapacitation, and academic ineligibility. In each situation, the Housing Office must be provided written proof. Failure to comply with the above will result in forfeiture of the room deposit.





VIII. Courses of Instruction

Undergraduate Programs

AMERICAN INDIAN STUDIES

Chairman: ADOLPH L. DIAL

DAVID K. ELIADES
ROBERT K. GUSTAFSON
ROBERT W. REISING

MICHAEL SELLON
RALPH L. STEEDS

Pembroke State University had an humble beginning in 1887 as an institution for the American Indian. For more than half a century the institution served only the American Indian.

The University feels a responsibility for offering to the people, both Indian and non-Indian, a program in the history of the American Indian and one that will also deal with the complexities of contemporary Indian affairs.

The Department offers a minor of twenty-one semester hours with AIS 210 or HST 210 as a required course. Students are encouraged to select courses that touch on as many different aspects of Native American history and culture as possible.

COURSES (AIS)

INTERDEPARTMENTAL

201. American Indian Culture

A survey of American Indian traditions, aspirations, and contributions through the study of poems, speeches, legends, stories, and novels written by American Indians; through the study of Indian art forms and music; through attending plays and outdoor dramas in which Indians play a significant role; and through film study and review. Fall, Spring, Summer. Credit, 3 semester hours.

239. American Indian Education

A survey of Indian education in the United States beginning with the missionary effort to Christianize Native Americans. Special emphasis will be devoted to the effort of the Bureau of Indian Affairs as well as non-reservation programs. Fall, Spring. Credit, 3 semester hours.

301. Contemporary Problems of American Indians

A study of Indian-white contacts, the impact of federal policy on American Indians, and the adaption of American Indian cultures to contemporary economic and social conditions; national in scope with emphasis on the southeastern tribes. Fall, Spring, Summer. Credit, 3 semester hours.

302. **Workshop in American Indian Studies**
A workshop designed especially for elementary and secondary school teachers. Special emphasis will be given to aspects of Indian history, textbooks and their treatment of the American Indian and contemporary Indian problems. Consideration will also be given to Native American writers, to Indian culture and to the changing lifestyle of the people. Topics of special interest will be discussed. General procedure will be determined by the interest and enthusiasm of the group. Summer. Credit, 3 semester hours.
360. **Lumbee Culture**
A study of Lumbee culture—the achievements and aspirations of the nation's largest American Indian group east of the Mississippi. While the focus will be primarily historical, all facets of Lumbee culture will be treated including the economic, political, and religious structure of the people, as well as their artistic and literary accomplishments. Spring. Credit, 3 semester hours.
455. **American Indian Historical Sites**
The Historical Sites Study will stress American Indian culture and will include visits to museums, reservations and historic sites. Summer. Credit, 1-4 semester hours.

ANTHROPOLOGY

358. **American Indians Before Columbus (SOC 358)**
Designed to trace the life and times of America's original inhabitants. Emphasis will be placed upon the Indians of North America, and especially the Southeastern United States. Students will have the opportunity to visit and participate in an archeological excavation. Spring of 1981-82 and alternate years. Credit, 3 semester hours.

ART

427. **American Indian Art History (ART 427)**
A survey course of the range of artistic expression of the North American Indians, from prehistoric to the 20th century. The course will cover paintings, sculpture, types of habitation, crafts, and ceremonial arts. Fall. Credit, 3 semester hours.

COMMUNICATIVE ARTS (LITERATURE)

220. **American Indian Literature (CMA 220)**
An introduction to Native American Literature. Texts written, collected or edited by Native Americans will be used whenever possible. Spring, Summer. Credit, 3 semester hours.
450. **Seminar in Native American Literature (CMA 450)**
A study of selected topics in American Indian literature. Fall of 1980 and alternate years. Credit, 3 semester hours.

HISTORY**210. History of the American Indian (HST 210)**

A survey of the major Indian cultures in North America with emphasis on those located in the eastern half of the United States. Fall, Spring, Summer. Credit, 3 semester hours.

319. History of the American Indian in North Carolina (HST 319)

An examination of selected topics concerning the most significant Indian cultures and tribes in North Carolina, with emphasis on the Cherokee, Catawba, Tuscarora, and Lumbee peoples. Fall, Spring, Summer. Credit, 3 semester hours.

325. Indians of the Southeast

A thorough examination of the history, culture, interactions, and present condition of the major tribes of southeastern America. Fall. Credit, 3 semester hours.

401. Colloquium on American Indian History

Prerequisite: Permission of the instructor.

Investigations into selected topics in American Indian history through the reading of significant books, discussions, and supplementary reports. Fall, Spring, Summer. Credit, 3 semester hours.

402. Federal Policy and the American Indian

Prerequisite: Permission of the instructor.

A study of federal policy as it relates from the Colonial period to the present. Fall. Credit, 3 semester hours.

RELIGION**213. American Indian Traditions (REL 213)**

A study of the development of the religious beliefs and practices of the American Indian. Fall, Spring. Credit, 3 semester hours.



ART

Chairman: PAUL VAN ZANDT

RONALD E. COLE
RALPH L. STEEDS

KATHERINE M. PASCO

The Department of Art fulfills an ever-increasing need by contributing to the cultural life and experiences of the whole University, as well as providing many opportunities for the artistic, intellectual, and spiritual development of those who have chosen a fine art as a professional goal. Art develops an understanding and an appreciation of the beauty of everyday life. The Art Department provides the gifted student with a professional foundation as an artist and as a teacher.

In conjunction with other parts of the University the Art Department offers the following programs leading to the Bachelor of Arts degree and the Bachelor of Science degree with teacher education certification for teaching at the K-12 level.

Before graduating from either program a senior is required to present an acceptable exhibition of his work from his area of concentration.

Requirements For A Bachelor Of Arts Degree

	Sem. Hrs.
Basic Studies Requirements (p. 53)*	45
Major Requirements	
Thirty semester hours of lower level art studies: 100, 101, 102, 105, 109, 111, 132, 133, 140, 151, 250,	
Six semester hours, advanced History of Art	
Twelve semester hours, Area of Concentration: Sculpture, Ceramics, Graphics, or Painting	
Nine semester hours, Area of Secondary Interest: Sculpture, Painting, Ceramics, Graphics	57
Electives	18
Total	120

Students who plan a major in Art should consult with the Department Chairman prior to registering for Basic Studies Courses.

Requirements For a Bachelor of Science Degree With Teacher Education Certification for Teaching At The K-12 Level

	Sem. Hrs.
Basic Studies Requirements (p. 53)*	45
Major Requirements	
Thirty semester hours of lower level art studios: 100, 101, 105, 107, 109, 111, 132, 133, 140, 151, 250	
Six semester hours, advanced History of Art	
Nine semester hours, one area of advanced art studio	
Six semester hours, Art Education: 108, 306	51
Professional Education Requirements:	
EDN. 202, 227, 308, 419, 437, 445, 448; Art 400	25
Electives	2
Total	123

Minor in Art

The Minor in Art is designed to offer a fundamental background in Art for the non-Art major.

Art Minor—18 semester hours

Required core of 12 hours

- Art 101—Two Dimensional Design—3 hours
- Art 111—Introduction to Ceramics—3 hours
- Art 132—Introduction to Drawing—3 hours
- Art 306—Crafts for Secondary Education—3 hours

Plus 6 hours Art electives (May be taken after necessary prerequisite where applicable)

COURSES (ART)

100. Art Concepts (Required for B.A. or B.S. in Art)
A study of the theories and philosophies of the visual arts. An introductory analysis of visual art concepts with emphasis on contemporary theories and their relationships to the history of art. A directed readings and seminar course aimed at developing an awareness of visual art and individual concepts of creative endeavor. Fall. Credit, 2 semester hours.
101. Two-Dimensional Design (Required of all art majors)
A study and application of design principles in creative two-dimensional projects in line, value, color and texture. Fall. Credit, 3 semester hours.
102. Three-Dimensional Design (Required for B.A. in Art)
Prerequisite: ART 101.
A study and application of design principles in creative three-dimensional projects in mass and space using various materials. Spring. Credit, 3 semester hours.

105. Introduction to Sculpture

A survey course aimed at studying the problems of mass and space in sculpture. Various materials and sculptural techniques will be explored. Fall. Credit, 3 semester hours.

107. Photography (Required for B.S. in Art Education)

An introduction to the basic technical and aesthetic principles of still and motion photography. Fall. Credit, 3 semester hours.

108. Art Education in the Public Schools

A study of arts and crafts as an integral part of teaching the elementary grades. Acquaintances with various tools and media for two and three-dimensional art work. A special emphasis placed on the philosophy of motivating and teaching art to children, using existing foundations of art and education. Fall, Spring. Credit, 3 semester hours.

109. Figure Drawing

Restriction: Available to declared art majors only.

A course to introduce the student to the figure as an art form. Various techniques will be explored. Fall. Credit, 3 semester hours.

11. Introduction to Ceramics

Introduction to basic forming and decorating methods of ceramics. The student will study mixture glazes from recipes. Basic firing procedures and ceramic aesthetics will be introduced. Fall, Spring. Credit, 3 semester hours.

32. Introduction to Drawing

A course designed to acquaint the student with the basic principles of media and terminology of drawing. Fall, Spring. Credit, 3 semester hours.

33. Introduction to Painting

An introduction to color, structure and pictorial organization. Various techniques and group criticism will be implemented. Fall, Spring. Credit, 3 semester hours.

40. Introduction to Graphics

Restriction: Available to declared art majors only.

A survey course aimed at the study of basic techniques and procedures in graphic arts. Studio projects include problems in intaglio, lithography, wood cuts and wood engravings. Fall, Spring. Credit, 3 semester hours.

51. Lettering I

Restriction: Available to declared art majors only.

An introduction to calligraphy and the techniques of one stroke brush lettering, speedball pen and constructed lettering, spacing and lettering application in graphic layout. Spring. Credit, 1 semester hour.

05. History and Appreciation of Art

Restriction: Cannot be applied toward a major in art.

To establish an understanding of art, to develop an appreciation for the relation between art and man, and to study art in a cultural environment. Fall, Spring. Credit, 3 semester hours.

210. Introduction to Jewelry
Prerequisite: ART 132.
A course designed to equip the student with the basic knowledge of jewelry formation using silver construction techniques. Fall, Spring. Credit, 3 semester hours.
220. Intermediate Jewelry
Prerequisite: ART 210.
A course designed to equip the student with the basic knowledge of complex jewelry formation and decoration using construction and casting techniques. Fall, Spring. Credit, 3 semester hours.
224. Arts and Crafts for Teachers of the Mentally Retarded
A study of the performance of the slow learning child in art. A survey of art techniques and procedures. An exploration into methods of presenting ideas and materials as related to attention spans, motivation, readiness, effects of reward and need satisfaction. A special emphasis placed on methods of presenting art as an activity interacting with the total environment. Spring. Credit, 3 semester hours.
225. Arts and Crafts for Early Childhood
Lecture and discussion course concentrating on techniques of motivation, as they apply to early childhood education. Fall, Spring. Credit, 3 semester hours.
250. Communication Design (Required of B.A. and B.S. art majors)
Prerequisite: ART 151.
An introduction to applied lettering, layout, illustration, typography and general graphic design. Spring. Credit, 3 semester hours.
306. Crafts for Secondary Education
A course of craft projects which cover: (a) the use of basic materials such as wood, metal, cloth, etc.; (b) the aesthetic principles of design as applied to these projects; (c) how such craft projects may be effectively presented at the secondary level. Spring. Credit, 3 semester hours.
315. Advanced Sculpture I
Prerequisite: ART 105.
A study and application of three-dimensional principles and technique to formulate a creative expression. Spring. Credit, 3 semester hours.
316. Advanced Sculpture II
Prerequisite: ART 315.
Advanced study in sculpture devoted to developing skills, techniques, and exploration of new materials. Spring. Credit, 3 semester hours.
320. Advanced Figure Drawing
Advanced study of the figure as an art form. Spring. Credit, 3 semester hours.
- 331, 332. Advanced Drawing and Painting
Prerequisites: ART 132, 133.
A course designed to broaden perceptive awareness in the areas of composition, space and color theory. Fall, Spring. Credit, 3 to 6 semester hours.

341. Advanced Ceramics I
Prerequisite: ART 111.
A studio course in which wheel-thrown pottery is emphasized. Fall, Spring. Credit, 3 semester hours.
342. Advanced Ceramics II
Prerequisite: ART 341.
An advanced study of problems in the production of sets and formulation of original glazes. Fall, Spring. Credit, 3 semester hours.
- 350, 351. Printmaking I
Prerequisite: ART 140.
Study of relief and serigraphic printmaking processes. Fall, Spring. Credit, 3 to 6 semester hours.
360. Problems Seminar I
Prerequisite: Approval of Department Chairman.
Credit is obtained by successful fulfillment of a contractual agreement between the student, supervising faculty and Department Chairman. As announced. Credit, 1 to 3 semester hours.
361. Problems Seminar II
Prerequisite: Approval of Department Chairman.
A course designed to afford the talented student the opportunity to explore in-depth an area of study not traditionally emphasized in the art curriculum. Credit is obtained by successful fulfillment of a contractual agreement between the student, supervising faculty and Department Chairman. As announced. Credit, 1 to 3 semester hours.
400. Public School Art Curriculum
Study of the origins and development of the public school art curriculum in relationship to the development of arts and crafts as a non-subject field in general education. Exploration into the methods and techniques of teaching art in the public schools, as well as the purchase, selection, and maintenance of all art materials, books, and equipment. Fall. Credit, 3 semester hours.
406. Art Anatomy
A study in surface anatomy, placing an emphasis on figure drawing in various media. Bone and muscular structure will be incorporated. Spring. Credit, 3 semester hours.
- 407, 408. Art Supervision
Restricted to the advanced major who is supervising only in his area of concentration or secondary interest and has junior or senior standing.
Designed for advanced art majors to obtain experience in directing beginning students in studio techniques. As announced. Credit, 1 to 3 semester hours.
- 409, 410. Printmaking II
Prerequisites: ART 140 and 350 or 351.
Study of intaglio printmaking processes and lithography printmaking processes. Fall, Spring. Credit, 3 semester hours.

415. **Advanced Sculpture III**
Prerequisite: ART 316.
Advanced study devoted to developing advanced aesthetics and independent motivation in sculpture. Spring. Credit, 3 semester hours.
416. **Advanced Sculpture IV**
Prerequisite: ART 415.
A course in sculpture devoted to developing the student's creative expression in sculpture according to his own talents and experiences. Spring. Credit, 3 semester hours.
421. **Ancient and Medieval Art History**
A survey of architecture, sculpture, painting, and other arts from prehistoric times to the Italian Renaissance. Offered once each academic year: Alternate Fall or Spring. Credit, 3 semester hours.
422. **Italian Renaissance Art History**
A study of the art of the Italian Renaissance. Alternate Fall or Spring. Credit, 3 semester hours.
423. **Modern Art History**
A study of the artists and art schools that evolved in Europe during the 19th century. Alternate Fall or Spring. Credit, 3 semester hours.
424. **Contemporary Art History**
A study of the artists, theories and art schools that evolved in Europe in the 20th century. Alternate Fall or Spring. Credit, 3 semester hours.
425. **European Art History, 1500-1800**
A survey of European painting and sculpture from the Renaissance through the Rococo period except for Italian art. Alternate Fall or Spring. Credit, 3 semester hours.
426. **Art History of the United States**
A study of painting, architecture and sculpture of the United States from Colonial times to the present with an emphasis on 20th century art. Alternate Spring or Fall. Credit, 3 semester hours.
427. **American Indian Art History (AIS 427)**
A survey course of the range of artistic expression of the North American Indians, from prehistoric to the 20th century. The course will cover paintings, sculpture, types of habitation, crafts, and ceremonial arts. Fall. Credit, 3 semester hours.
435. **Advanced Painting I**
Prerequisite: ART 332.
An exploration of the various manners and approaches to creative painting and their relationship to the individual's experience. Fall, Spring. Credit, 3 semester hours.
436. **Advanced Painting II**
A course for the student's personal development of individual expression in painting. Fall, Spring. Credit, 3 semester hours.

441. **Advanced Ceramics III**
Prerequisite: ART 342.
An advanced studio in which both wheel-thrown and hand-constructed ceramic forms are emphasized. Fall, Spring. Credit, 3 semester hours.
442. **Advanced Ceramics IV**
Prerequisite: ART 441.
The assignment of creative ceramic problems in line with individual student interest and needs. Fall, Spring. Credit, 3 semester hours.
451. **Advanced Drawing and Graphics**
Prerequisite: ART 332.
A course designed to concentrate on the drawing skills, line simplification, and graphic reproduction of creative drawing experiences. Fall, Spring. Credit, 3 semester hours.
460. **Problems Seminar III**
Prerequisite: Approval of Department Chairman.
Credit is obtained by successful fulfillment of a contractual agreement between the student, supervising faculty and Department Chairman. As announced. Credit, 1 to 3 semester hours.
461. **Problems Seminar IV**
Prerequisite: Approval of Department Chairman.
A course designed to afford the talented student the opportunity to explore in depth an area of study not traditionally emphasized in the art curriculum. Credit is obtained by successful fulfillment of a contractual agreement between the student, supervising faculty and Department Chairman. As announced. Credit, 1 to 3 semester hours.
499. **Independent Study in Art**
Prerequisites: Introductory course in chosen area and approval of Department Chairman.
Directed reading, research and problem solving in the student's major or secondary area of interest. This course is designed to fulfill individual and specific needs of the art major in his particular area of advanced study. Fall, Spring. Credit, 1 to 3 semester hours.

Pembroke State University Art majors have
a bright picture of the future.

—*a student*

BIOLOGY

Chairman: ROBERT F. BRITT

JAMES B. EBERT
BONNIE A. KELLEY
DAVID K. KUO

JOSEPH A. MCGIRT
HAROLD D. MAXWELL

The objectives of the Biology Department are to afford students an opportunity to gain an understanding of themselves and their environment and thus prepare themselves for taking a fuller, more satisfying role in society; to train students in their ability to reason inductively and deductively; to encourage original thought; to prepare teachers in the biological sciences for the elementary and secondary school; and to provide a background in subject matter and laboratory skills for curricula in which the fundamentals of the various sciences are used.

Students interested in developing a specialty concentration in Biology should see the Department Chairman for details.

To fulfill the three semester hour Biology requirement for Basic Studies, the student may take Biology 100, Principles of Biology; or Biology 101, General Botany; or Biology 102, General Zoology; or Biology 207, History of Biology; or Biology 210, Conservation and Environment.

Elementary education majors should take Biology 105, General Biology for Elementary Education, to fulfill the basic studies requirement.

Graduation credit will not be given for both Biology 100 and Biology 105.

In conjunction with other parts of the University, the Biology Department offers the following programs leading to the Bachelor of Science degree and the Bachelor of Science degree with teacher education certification at the secondary level.

Preprofessional Curricula For The Health Professions

The preprofessional programs suggested by medical, dental, veterinary, and allied health institutions vary with the specific profession and with the individual professional school involved. Most of these programs do not specify an undergraduate major. In fact, most programs do not have as an absolute requirement the attain-

ment of an undergraduate degree. A number of specific undergraduate courses are required, however. Because a large number of these required courses are housed in the natural sciences, it is traditional for preprofessional students to designate biology as their undergraduate major. A large majority of students that apply and those that are admitted to professional schools are biology undergraduate majors.

Because the requirements of the individual schools vary, it is not possible to develop a common preprofessional curriculum for all interested students. Each student should be familiar with the requirements of the desired professional school(s). For advisement and information concerning specific course requirements, students should contact the departmental health advisor, Dr. Harold D. Maxwell.

MEDICAL TECHNOLOGY PROGRAM

The Biology Department offers a program to its 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. The student completes six semesters of on-campus study and one year of study and training in an affiliated hospital. Undergraduate students enrolled in the fourth year of the program in medical technology must pay University tuition for the fall and spring semesters in order to receive University credit for the work at the affiliated hospital. Admission to hospital study is not automatic but involves an admission and screening process administered by the hospital. Interested students should consult Dr. Harold D. Maxwell of the Biology Department for details.

Requirements for a Bachelor of Science Degree in Biology

	Sem. Hrs.
Basic Studies Requirements (p. 53)	12* + 33
*12 semester hours of Natural Sciences and Mathematics will count toward Basic Studies and toward major requirements	
Requirements for a Biology Major	
BIO 100, 101, 102, 304, 371, 472. (23 semester hours)	
Ten to twelve semester hours elected from one of the following areas of concentration:	
1. Biology: At least one course from two of the three following areas: Biology, Botany, Zoology	
2. Botany: Courses taken from the following: BIO 201, 231, 232, 305, 330, 340, 354	
3. Field Biology and Ecology: Courses taken from the following: BIO 210, 301, 305, 340, 350	
4. Zoology: Courses taken from the following: BIO 203, 211-212, 221, 222, 301, 310, 319, 350, 372, 376, 461	

MAT 107, 108 or 118	6
CHM 100, 101	8
Electives	38-40
Total	<u>120</u>

Requirements for a Bachelor of Science Degree with Teacher Certification

Basic Studies Requirements (p. 53)	Sem. Hrs. 12* + 33
*12 semester hours of Natural Sciences and Mathematics will count toward Basic Studies and toward major requirements. Must include six semester hours of history and six semester hours of literature	
Requirements for a Biology Major	
BIO 100, 101, 102, 304, 371, 472. (23 semester hours)	
Ten to twelve semester hours elected from one of the following areas of concentration:	
1. Biology: At least one course from two of the three following areas: Biology, Botany, Zoology	
2. Botany: Courses taken from the following: BIO 201, 231, 232, 305, 330, 340, 354	
3. Field Biology and Ecology: Courses taken from the following: BIO 210, 301, 305, 340, 350	
4. Zoology: Courses taken from the following: BIO 203, 211-212, 221, 222, 301, 310, 319, 350, 372, 376, 461	33-35
MAT 107, 108 or 118	6
CHM 100, 101	8
Professional Education Requirements	
EDN 202, 227, 308, 400, 419, 437, 445, 448	25
Electives	13-15
Total	<u>120</u>

Requirements for a Bachelor of Science Degree in Biology With Emphasis in Medical Technology

Basic Studies Requirements (p. 53)	Sem. Hrs. 12* + 33
*12 semester hours of Natural Sciences and Mathematics will count toward Basic Studies and toward major requirements	
Major Requirements	
BIO 100, 101, 102, 211, 212, 304, 315, 371, 472	
CHM 100, 101, 300, 301, 311*, 311L*	
MAT 107, 108	57-61
Clinical work in Approved Hospital	30
Electives	0
Total	<u>120-124</u>

* Strongly recommended but not required.

PRE-PODIATRIC MEDICINE PROGRAM

In affiliation with the Pennsylvania College of Podiatric Medicine, the Department of Biology is able to offer to selected majors an Accelerated Podiatric Medical Education Curriculum (APMEC). The Doctor of Podiatric Medicine degree, awarded by the Pennsylvania College of Podiatric Medicine, is a seven-year program, involving three years of pre-professional and four years of podiatric medical education. Students selected for this program complete three years of a prescribed biology program at Pembroke State University and are awarded the B.S. degree in Biology upon successful completion of the first year of the podiatry curriculum at the Pennsylvania College of Podiatric Medicine.

Admission to the APMEC Program is limited to students attending those institutions formally affiliated with the Pennsylvania College of Podiatric Medicine. Students admitted into the program are generally from rural or underserved areas and are interested in returning to those areas to practice. Pembroke State University is one of eighteen currently affiliated institutions (only three of these are outside of the state of Pennsylvania). The Pennsylvania College of Podiatric Medicine has agreed to reserve up to three seats annually for students of Pembroke State University who have satisfactorily completed a prescribed three-year pre-professional curriculum. Completion of the preparatory program does not guarantee admission to the Pennsylvania College of Podiatric Medicine. Admissions involves a competitive application process. Students accepted for the study of podiatric medicine must possess exceptional qualification.

Additional information can be obtained from Dr. Harold D. Maxwell of the Biology Department.

**Requirements for a Bachelor of Science Degree in
Biology Pre-Podiatric Medicine Program**

	Sem. Hrs.
Basic Studies Requirements (p. 53)*	12 + 33
*12 semester hours of Natural Sciences and Mathematics will count toward Basic Studies and toward major requirements	
Major Requirements	
BIO 100, 101, 102, 211, 212, 304, 371, 461, 472	
CHM 100, 101, 300, 301, 311	
PHY 150, 151	
MAT 107, 108, 221	61
Classroom and Clinical Work at Pennsylvania College of Medicine	30
Electives	0
Total	136

COURSES (BIO)

Biology 100, Principles of Biology, is a prerequisite to all other Biology courses except Biology 105, General Biology for Elementary Education; Biology 207, History of Biology; and Biology 210, Conservation and Environment. These three courses have no prerequisites; however, only elementary education majors are permitted to take Biology 105.

100. Principles of Biology

An introduction to modern and classical biological concepts. Fall, Spring. Three lectures weekly. Credit, 3 semester hours.

101. General Biology

Introductory plant science with emphasis on morphology and physiology of the seed plants and a survey of representative types from the plant kingdom. A prerequisite to all other courses in Botany. Fall, Spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

102. General Zoology

A study of the major animal systems, processes and phyla. A prerequisite to all other courses in Zoology. Fall, Spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

105. General Biology for Elementary Education

Restriction: Elementary education majors only.

An introduction to biological concepts applicable to the elementary school curriculum. Fall, Spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

201. Economic Botany

A study of the origin, distribution, propagation and use of the economically important plants. Fall of 1981-82 and alternate years. Three lectures weekly. Credit, 3 semester hours.

203. Vertebrate Zoology

Prerequisites: BIO 100, 102

The biology of the major groups of vertebrate animals with emphasis on general structural and physiological plans and diversity. A valuable course for any curriculum but strongly recommended for those students who plan to take only one higher level zoology course. Spring of 1982-83 and alternate years. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

207. History of Biology

An introduction to the major ideas of Biology and their development. Fall of 1982-83 and alternate years. Three lectures weekly. Credit, 3 semester hours.

210. Conservation and Environment

A study of our natural resources emphasizing: (1) the role natural resources have played in promoting our economic well being, (2) the techniques and policies by which these resources can be intelligently managed and utilized, and (3) the urgency for halting resource abuse and the deterioration of environmental quality. Fall, Spring. Two lectures weekly. Credit, 2 semester hours.

211, 212. Human Anatomy and Physiology

Prerequisite: BIO 102.

A course covering the structure and function of the human body. Appropriate physiological exercises and dissections of a mammal are performed concurrently in the laboratory. Fall, Spring. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours each.

221. Comparative Anatomy

Comparative studies of the various organs and systems of vertebrates and laboratory emphasis on the lamprey, dogfish shark, salamander, and the cat. Fall of 1981-82 and alternate years. Two lectures and two two-hour laboratories weekly. Credit, 4 semester hours.

222. Embryology

Early developmental biology leading to organogenesis. Laboratory emphasis on the chick. Spring of 1982-83 and alternate years. Two lectures and two two-hour laboratory periods weekly. Credit, 4 semester hours.

231. Morphology of the Non-Vascular Plants

A comprehensive survey of the algae, fungi, and bryophytes dealing with structure, form, and reproduction. Fall of 1982-83 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

232. Morphology of the Vascular Plants

A continuation of Biology 231, a survey of the plant kingdom with emphasis on selected types of vascular plants. Spring of 1982-83 and alternate years. Three lectures and a two-laboratory weekly. Credit, 4 semester hours.

240. Medical Vocabulary

Prerequisites: BIO 100, 102

A course designed to familiarize students with common medical terms through the use of Latin and Greek Word Parts. Intended primarily for Pre-Medical, Pre-Veterinary and other Pre-Health curricula. Fall of 1982-83 and alternate years. Credit, 2 semester hours.

241. Entomology

An introduction to the study of insects. Special emphasis on common insects and on those that are either distinctly helpful or harmful to man. A collection with identification required. Fall of 1982-83 and alternate years. One lecture and two two-hour laboratory periods weekly. Credit, 3 semester hours.

244. Principles of Ecology

An introduction to the principles and materials of ecological research. At least two Saturday field trips are required. Fall, Spring. Two lectures and two two-hour laboratory periods weekly. Credit, 4 semester hours.

245. Introductory Mycology

An introduction to the fungi, with emphasis upon taxonomy and physiology, including some reference to their economic importance. Fall of 1981-82 and alternate years. Two lectures and a two-hour laboratory period weekly. Credit, 3 semester hours.

310. Invertebrate Zoology

A survey of the major invertebrate phyla, emphasizing the marine representatives. At least two Saturday field trips are required. Fall of 1981-82 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

315. Microbiology

A study of bacteria and other microorganisms, their structure, development and function. Emphasis is placed on the fundamental concepts and techniques in microbiology; such as, isolation, cultivation, observation, morphology, and physiology and nutrition of bacteria. The applications of microbiology, the role of microbes in nature, and their role in infection and immunity are considered. Spring. Two lectures and two two-hour laboratory periods weekly. Credit, 4 semester hours.

319. Animal Parasitology

An introduction to the classification morphology, life history, and control of some common parasites. Spring of 1981-82 and alternate years. Two lectures and a two-hour laboratory period weekly. Credit, 3 semester hours.

330. Plant Pathology

A study of the symptoms, causal agents, and control methods of plant diseases, with emphasis on those economically important to this area. Spring of 1982-83 and alternate years. Two lectures and a two-hour laboratory weekly. Credit, 3 semester hours.

340. Plant Taxonomy

An introduction to systematic botany with emphasis on identification of the local vascular flora. Spring of 1981-82 and alternate years. Two lectures and two two-hour laboratory periods weekly. Field trips as announced. Credit, 4 semester hours.

350. Ornithology

Classification and identification of birds; life histories; feeding habits; nesting habits; theories of migration; economic importance. Spring of 1982-83 and alternate years. Two lectures and a two-hour laboratory period weekly. Credit, 3 semester hours.

354. Plant Physiology

A general study of the physiological activities in plants such as the fundamental principles, water relations, metabolism, plant growth hormones, as well as growth and development. Fall of 1982-83 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

371. Cell Biology

Prerequisites: CHM 100, 101; 300, 301 recommended.

A study of cellular ultrastructure and physiology. Fall, Spring. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

372. Vertebrate Histology and Microtechnique

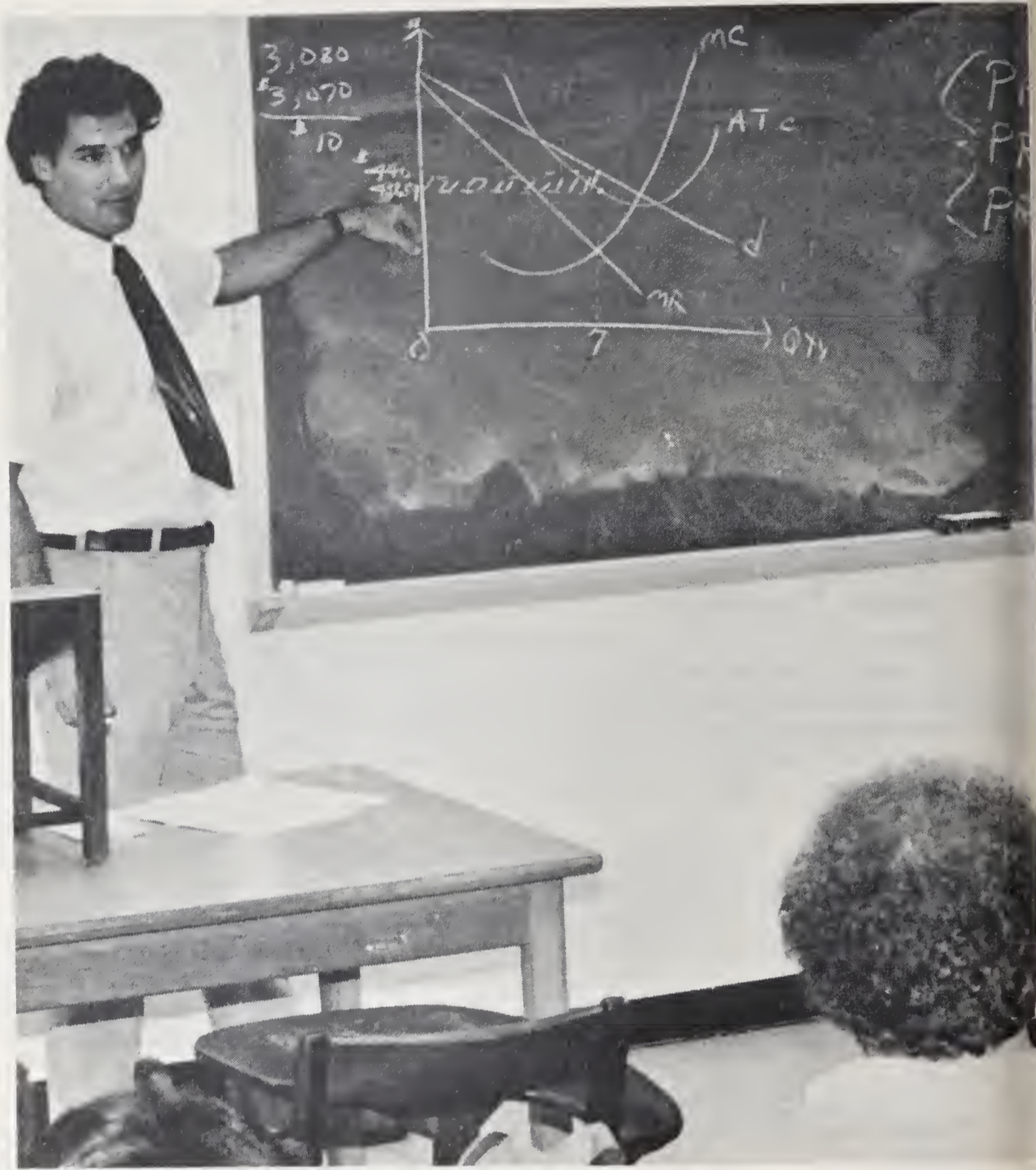
Prerequisite: BIO 102.

A course in the techniques of preparing tissues for microscopic examination. Slide preparation and tissue identification will be emphasized. Spring of 1981-82 and alternate years. Two lectures and two two-hour laboratory periods weekly. Credit, 4 semester hours.

76. **Endocrinology**
A study of the morphology and physiology of vertebrate endocrine system. Growth, metabolism and reproduction will be emphasized. Spring of 1981-82 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.
80. **Comparative Animal Nutrition**
Prerequisites: BIO 100, 102
A study of the principles of nutrition including the classification of nutrients, the nutritional requirements of different species and the physiological role of various nutrients. Fall of 1982-83 and alternate years. Credit, 3 semester hours.
82. **Evolution**
Prerequisite: Consent of the instructor.
An introduction to and analysis of the concepts of organic evolution, mutation, adaptation, selection, competition, and origin of species are considered. Fall of 1981-82 and alternate years. Three lectures weekly. Credit, 3 semester hours.
81. **Animal Physiology**
Prerequisites: BIO 100, 102; CHM 300, 201; and BIO 371 recommended.
A study of physiological principles as they occur throughout the animal kingdom with special emphasis on mammals. A comprehensive study of the mechanisms involved in the maintenance of the homeostatic condition. Spring of 1981-82 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.
82. **Principles of Genetics**
Prerequisites: CHM 100, MAT 107.
An introductory course. Emphasis is placed on the fundamental principles, the physical and chemical basis of inheritance, genes as units of structure and function, and the qualitative and quantitative aspects of genetic variation. A general survey of human genetics is also considered. Fall, Spring. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.
89. **Research in Biology**
Restriction: Senior biology majors with a quality point average of 3.0 in the major.
Prerequisite: Consent of the instructor and approval of the research proposal by a committee composed of biology faculty.
Designed to provide the student with experience in the analysis and solution of problems in the areas of his major interests. The problem will be presented to the Biology faculty in written form. Fall, Spring, Summer. Credit, 1 to 3 semester hours.

METHODS (BIO)

80. **Biology Education, Methods of Teaching Biology**
Purposes, methods, materials and evaluation procedures in Biology; preparations of teaching plans and materials. Spring. Credit, 3 semester hours.



BUSINESS ADMINISTRATION AND ECONOMICS

Chairman: DONALD E. KELLEY

GEORGE T. AMMONS
HAZEL COATES
MAGNOLIA O. GRIFFITH

ROBERT D. MAYNOR
MICHAEL B. O'BRIEN
JOHN W. WARD, II
VICTOR W. WOLF

The primary objective of the Business Administration and Economics Department is to prepare students for rewarding careers in the areas of management, accounting, economics, and business education. The basic departmental core emphasizes the broad training necessary for successful business management in a dynamic, multivariate economy as well as preparation for further study in graduate school.

The Bachelor of Science degree may be earned in Business Administration or Business Education, with administration majors concentrating in either management or accounting, and education majors choosing from two programs, each leading to North Carolina Teacher Certification. Also, a program leading to the Bachelor of Arts degree in Economics is offered. In addition, the Department participates in the interdepartmental minor in Personnel and Organizational Leadership. For further details on this program, see p. 240.

Another departmental objective is to render services beyond the University and within its surrounding business community. Through special emphasis on the University's Continuing Education Division, the Department serves many students who might otherwise be unable to attend the regular daytime classes. Further assistance to the immediate area is supplied through departmental aid in providing placement services and special consultation to the business community at large.

The Business Administration and Economics Department strongly recommends that prospective business and economics majors consult a member of its faculty as soon as possible. Sequential courses and prerequisites necessitate early planning.

Requirements for a Bachelor of Science Degree in Business Administration with Concentration in Management

	Sem. Hrs.
Basic Studies Requirements (p. 53)	45
Major Requirements*	
BUS 227, 228, 307, 308, 310, 312, 315, 316, 317, 412, 415, 466	
ECN 201, 202, 301	
MAT 107, 118	
CSC 100	54
Electives (at least 9 hours upper level Business Administration or Economics Courses)	21
Total	<u>120</u>

Requirements for a Bachelor of Science Degree in Business Administration with Concentration in Accounting

	Sem. Hrs.
Basic Studies Requirements (p. 53)	45
Major Requirements*	
BUS 227, 228, 307, 310, 312, 315, 316, 321, 322, 415, 417, 421, 423, 458, 466	
ECN 201, 202, 301	
MAT 107, 118	
CSC 100	63
Electives	12
Total	<u>120</u>

Requirements for a Bachelor of Science Degree in Business Education Emphasizing a Comprehensive Business Curriculum (Teacher Education)

	Sem. Hrs.
Basic Studies Requirements (p. 53)	45
Major Requirements*	
BED 202, 203, 214, 225, 303, 305, 313, 403, 450, 453	
BUS 209, 227, 228, 312, 315, or 316	
ECN 201, 202	
CSC 100	51-54
Professional Education Requirements	
EDN 202, 227, 308, 400**, 437, 419, 445, 448	25
Electives	0
Total	<u>121-123</u>

*Students may select certain business administration and/or economics courses that will simultaneously fulfill both Basic Studies and major requirements.

**Methods 400 must be taken in the Business Department.

Requirements for a Bachelor of Science Degree in Applied Science in Business Administration

	Sem. Hrs.
Basic Studies Requirements (p. 53)	45
Credit granted on the degree of the Associate in Applied Science.	60
An individualized program of study based on 300 and 400 level courses in Business Administration and Economics following the guidelines on page 35.	15
Total	<u>120</u>

Requirements for a Bachelor of Arts Degree in Economics

	Sem. Hrs.
Basic Studies Requirements (p. 53)	45
Major Requirements*	
ECN 201, 202, 301, 310, 330, 401, 408 and at least fifteen (15) additional semester hours of Economics from the 300 level and above. MAT 107, and 108 or equivalent. MAT 221 is required.	46
Electives	<u>29</u>
Total	120

*Students may select certain business administration and/or economics courses that will simultaneously fulfill both Basic Studies and major requirements.

*Methods 400 must be taken in the Business Department.

COURSES

BUSINESS ADMINISTRATION (BUS)

209. Introduction to Business

A survey and operational analysis of business administration and organization. Consideration is given to such topics as legal forms of business, management, marketing, risk, accounting, statistics, and governmental regulation. A general course designed for all students. Fall. Credit, 3 semester hours.

227, 228. Principles of Accounting I and II

Introduction to accounting. The study of the basic accounting equation, transaction analysis and financial statements. Fall, Spring. Credit, 3 semester hours each.

30. Income Tax Procedure

Introduction to the taxation of income and to Social Security taxes. The preparation of individual income tax returns. A general course designed for all students. Spring. Credit, 3 semester hours.

- 303. Business Communications (Same as CMA 303)**
Development of skill in the fundamentals of effective communication and detailed study of principles and application of business letters and business writings, including business reports and other forms of business communication. Fall. Credit, 3 semester hours.
- 307. Principles of Management**
Introduction to the classical, behavioral and management science philosophies of management. Emphasis upon planning, organizing, motivating, and controlling. Practical application of theories and mathematical models. Fall, Spring. Credit, 3 semester hours.
- 308. Organizational Theory and Behavior**
Prerequisite, BUS 307.
Study of the formal and informal processes that take place within organizational entities. Course includes the study of bureaucracy, organizational effectiveness, organizational climate, communication structure, and the role of the individual. Fall or Spring. Credit, 3 semester hours.
- 310. Business and Economic Statistics**
Prerequisite: MAT 118.
A study of statistical techniques including sampling, estimating unknown parameters, projecting time-series trends, correlation and regression analysis, index construction, and probability theory. Spring. Credit, 3 semester hours.
- 312. Marketing Management**
Prerequisite: ECN 201.
Basic principles of marketing. Emphasis is placed on consumer's role in marketing and on the marketing environment. The basic product, place, price, and promotion decisions are examined. Fall, Spring. Credit, 3 semester hours.
- 315. Business Law I**
The general principles of business law, including contracts, negotiable instruments, partnerships, and corporations. Fall. Credit, 3 semester hours.
- 316. Business Law II**
The general principles of business law, including personal and real property, mortgages, insurance, bankruptcy, suretyship and trade regulations. Spring. Credit, 3 semester hours.
- 317. Managerial Accounting**
Prerequisite: BUS 228.
An introductory study of internal accounting with emphasis on cost analysis and budgeting. The course stresses the attention-directing and problem-solving function of accounting in relation to current planning and control, evaluation of performance, special decisions, and long-range planning. Fall, Spring. Credit, 3 semester hours.
- 321. Intermediate Accounting I**
Prerequisite: BUS 228.
A review of financial accounting procedures, and a detailed study of selected sections of the balance sheet and income statement. Consideration is given to the procedures required for proper financial statement presentation as prescribed by the AICPA and FASB. Fall. Credit, 3 semester hours.

322. Intermediate Accounting II
Prerequisite, BUS 321.
Continuation of BUS 321 covering liabilities and capital accounts, the funds flow statements, statement analysis, error correction, and price level adjusted statements. Spring. Credit, 3 semester hours.
334. Computer Programming-Business Oriented Language:
COBOL
Actual experience in computer programming using an algorithmic language. Spring. Credit, 3 semester hours.
336. Computer Programming-Business Oriented Language: RPG
Actual experience in computer programming using an algorithmic language. Spring. Credit, 3 semester hours.
337. Experiential Learning I
Prerequisite: Consent of Department Chairman.
Practical work experience for business majors. Fall or Spring. Credit, 1 to 3 semester hours.
403. Office Management
Designed for training students to meet situations which will confront them in the modern business office; office standards, office control, physical facilities, general nature of office work, office personnel, modern labor organizations, wage determination, collective bargaining, public regulations. Spring. Credit, 3 semester hours.
408. Personnel Management
Prerequisite: BUS 307 is recommended but not mandatory.
Study of personnel recruitment, selection, testing, management development, performance evaluation, union-management relations, wage and salary administration, employee benefits and other areas of major concern to personnel managers and staff. Fall or Spring. Credit, 3 semester hours.
412. Marketing Policy and Decisions
Prerequisite: BUS 312.
Study of selected marketing topics including product differentiation, market segmentation, market research, and consumer behavior. Considers effect of the marketing mix and the development of total marketing strategy. Fall or Spring. Credit, 3 semester hours.
415. Financial Management
Prerequisite: BUS 228.
The basic principles of financial management as they apply to various forms of business organization: financial planning and control, short and intermediate-term credit, sources of capital, and expansion and growth. Fall, Spring. Credit, 3 semester hours.
416. Investments and Personal Finance
Investment alternatives available to the individual: insurance programs, real estate and securities. Emphasis on the analysis of securities and the operation of the securities market. Fall or Spring. Credit, 3 semester hours.

417. Income Tax Accounting

Prerequisite: BUS 228.

A technical treatment including partnership and corporation reporting of income to the federal government. Fall. Credit, 3 semester hours.

421. Advanced Accounting

Prerequisite: BUS 322.

Mergers and acquisitions accounting as well as preparation of consolidated statements after acquisition. Special accounting problems in consolidated financial statements, partnerships, pension funds, fund accounting, and fiduciary accounting. Fall or Spring. Credit, 3 semester hours.

423. Cost Accounting

Prerequisite: BUS 228.

Cost determination and analysis, cost control, and cost-based decision-making. Included are such topics as direct and indirect cost, application of burden, and responsibility accounting. Fall or Spring. Credit, 3 semester hours.

438. Experiential Learning II

Prerequisites: BUS 337 and consent of department chairman.

Practical work experience for business majors. Fall or Spring. Credit, 1 to 3 semester hours.

441. Production Management

Prerequisites: BUS 307, 310.

Operations analysis is presented through a study of production models. Analytical techniques are applied to production problems. Fall. Credit, 3 semester hours.

458. Auditing

Prerequisite: BUS 322.

The theory and application of generally accepted auditing standards used in the examination of financial statements are the areas of primary concern. The role of internal control review, A.P.N. opinions working papers, audit programs, and the auditor's liability are considered along with selected case studies. Fall or Spring. Credit, 3 semester hours.

465. Business Decisions Under Uncertainty

Prerequisites: BUS 307, 310.

An analysis of decision-making in the face of uncertainty under various competitive conditions. Fall. Credit, 3 semester hours.

466. Business Policy

Prerequisites: BUS 307, 312, 415.

Decision-making and analysis of complex business problems. Integrates knowledge from all functional areas of business and economics including managerial economics, management science, marketing, finance, and accounting. Fall or Spring. Credit, 3 semester hours.

BUSINESS EDUCATION (BED)

201. Beginning Typewriting

The development of fundamental skills of typewriting including: the touch system of typing with a mastery of the keyboard, the ability to accurately type

business and personal letters, reports, tabulation problems, and the ability to apply correct English usage to typewritten materials. Fall or Spring. Credit, 3 semester hours.

202. **Intermediate Typewriting**
Further emphasis on basic typewriting skills. The development of skills in the areas of duplicating, preparation of office forms, business letters, manuscripts, compositions, and other forms of business correspondence. Fall or Spring. Credit, 3 semester hours.
203. **Advanced Typewriting**
Emphasis on sustained production of various kinds of typewriting problems encountered in the modern business office. Fall or Spring. Credit, 3 semester hours.
- 213, 214. **Beginning Shorthand I and II**
Fundamental principles of Gregg shorthand with special emphasis on accuracy and speed. Practice work in dictation and transcription. Ability to take dictation at 80 words a minute and to transcribe easily and accurately. Three lectures and two laboratories weekly. Fall, Spring. Credit, 3-6 semester hours.
225. **Modern Business Mathematics**
A review of the basic mathematical and statistical concepts needed to understand modern business activities. Topics covered include interest and discount calculations, compound interest and present value, and introductory descriptive statistics. Fall or Spring. Credit, 3 semester hours.
303. **Business Communications (Same as CMA 303).**
Development of skill in the fundamentals of effective communication and detailed study of principles and application of business letters and business writings, including business reports and other forms of business communication. Three lectures weekly. Fall. Credit, 3 semester hours.
305. **Business Machines**
Development of vocational proficiency in the following office machines: Ten-key adding listing machines, rotary calculator, printing calculator, electronic calculator, dictation and transcription equipment, and liquid and spirit process duplicators. Three laboratories weekly. Spring. Credit, 3 semester hours.
313. **Advanced Shorthand**
A second-year course in shorthand, consisting of rapid dictation and rapid transcription. Mastery of principles of Gregg shorthand. Ability to take dictation at a rate of 100 to 120 words a minute. Three lectures and two laboratories weekly. Fall. Credit, 3 semester hours.
400. **Methods of Teaching Business Education**
Purposes, methods, materials, techniques and evaluation procedures in business education. Preparation of teaching plans and materials. Spring. Credit, 3 semester hours.
450. **Principles and Problems in Business Education**
Aims and objectives of business education. Evaluation of various business curricula in relation to modern education philosophy, trends and problems in

business education, and findings in research in business education. Three lectures weekly. Credit, 3 semester hours.

453. Secretarial Office Practice

A terminal course required of all business education majors. It is designed to consolidate office attitudes, knowledge, and skills in order to give each student a comprehensive understanding and their relation to other areas of business. This course to include instruction in filing, the use of business forms, and an acquaintance with the newest, essential office machines. One lecture and three laboratories weekly. Fall. Credit, 3 semester hours.

ECONOMICS (ECN)

201. Principles of Economics I

This course provides an overall picture of the operation of our economy. The following topics are emphasized: introduction to American capitalism, national income, level of employment, fiscal policy, monetary policy, and economic growth. Fall or Spring. Credit, 3 semester hours.

202. Principles of Economics II

Prerequisite: ECN 201.

This second part of the principles course in economics concentrates on the determination of prices in competitive and monopolistic markets, the distribution of income along functional lines, international economics, and comparative economic systems. Fall or Spring. Credit, 3 semester hours.

206. Economic Geography (GGY 206)

The same course as GGY 206. Spring. Credit, 3 semester hours.

301. Intermediate Micro-economic Theory

Prerequisites: ECN 201, 202.

Price determination and income distribution in a market economy. Fall. Credit, 3 semester hours.

304. Money and Banking

Prerequisites: ECN 201, 202.

A study of financial institutions and their role in the economy, and an analysis of the functions of money and credit. Spring. Credit, 3 semester hours.

310. Statistics (BUS 310)

Same as BUS 310.

320. Quantitative Methods

Prerequisite: MAT 107.

Introduction to mathematical methods in economics and business. Substantive topics include general equilibrium analysis, input-output models, mathematical control theory and macro-dynamic models. Spring. Credit, 3 semester hours.

330. Public Finance

Prerequisites: ECN 201, 202.

A study of revenue and expenditure on all governmental levels in the United States. Spring. Credit, 3 semester hours.

40. **International Trade**
Prerequisites: ECN 201, 202, 304.
An introduction to international trade, the balance of payments, and related issues of foreign economic policy. Spring. Credit, 3 semester hours.
41. **Economic History (HST 408)**
Prerequisites: HST 107, 108.
The same course as HST 408. Fall. Credit, 3 semester hours.
01. **Intermediate Macro-economic Theory**
Prerequisites: ECN 201, 202, 301, 304, 330.
Determination of the national income and of its components. Economic growth and fluctuations. The influence of public policy on the production and employment level and on the distribution of the national income. Fall. Credit, 3 semester hours.
06. **Economic Systems**
Prerequisites: ECN 201, 202.
A comparative study of alternative economic systems, including communism, socialism, fascism, and capitalism. Spring. Credit, 3 semester hours.
07. **Economics of Labor**
Prerequisite: ECN 202.
Examines the nature of the labor markets and problems dealing with labor groups. Topics include history of the labor movement, union structure, labor law, collective bargaining. Fall or Spring. Credit, 3 semester hours.
8. **Introduction to Econometrics**
Prerequisites: ECN 301, 401, MAT 107.
An introduction to the measurement, specification, estimation and interpretation of functional relationships with regard to demand, cost, production, consumption, and investment. Fall or Spring. Credit, 3 semester hours.
1. **Development of Economic Thought**
Prerequisites: ECN 201, 202, 301, 401.
A basic course in the development of economic theories and doctrines, ranging from the Greek to the present day. Fall. Credit, 3 semester hours.
9. **Senior Seminar in Economics**
Prerequisite: Consent of instructor.
A seminar featured to prepare students for graduate work in economics. Spring. Credit, 3 semester hours.

The Business Administration and Economics department has approximately 400 majors, half of them are women.

COMMUNICATIVE ARTS

Chairman: THOMAS J. LEACH

MARY BOYLES*
 ALBERT D. DUNAVAN
 JAMES S. FARMER
 MARJORIE L. FARMER
 GRACE E. GIBSON
 CHESTER I. JORDAN
 LOIS B. LEWIS**
 NORMAN W. MACLEOD**
 JOSEF L. MANDEL
 Enoch C. MORRIS, JR.

MATTHEW C. MORRISON
 **GEORGE W. POLHEMUS
 ROBERT W. REISING
 RAYMOND J. RUNDUS
 DENNIS H. SIGMON
 SHELBY D. STEPHENSON
 EUGENE C. TORBERT
 ANN F. WELLS
 ROBERT C. WESS
 RUDY D. WILLIAMS

*College Opportunity Program

**Professor Emeritus

The Communicative Arts Department of Pembroke State University exists for the common good of its students, of the campus community, and of a rational and humane society. To serve these purposes, the Department attempts to offer distinctive, realistically conceived, and well-executed programs for (1) the Basic Studies student, to whom a wide choice of courses is available; (2) the Communicative Arts Major (Four Options); (3) the Foreign Language student (French and Spanish); (4) the student seeking North Carolina Teacher Certification in English; and (5) the student majoring in another subject area who wishes to develop a minor in the Communicative Arts Department or simply choose an elective or two. The Department recognizes that each program has a different philosophy and different objectives and seeks to make the student responsive to the philosophy and objectives of his particular program.

Information is available in the department office about advisement and screening procedures for Communicative Arts majors. Also available is information about developing a minor in French, Journalism, Language, Literature, Public Relations Communications, Spanish, Speech, Theater, and Writing. These are offered to Communicative Arts majors as well as to students majoring in other subject areas.

The Communicative Arts Department recommends that all of its majors study a foreign language throughout their college careers; six

semester hours are required, waived if the student is able to demonstrate proficiency through the intermediate level in a major modern foreign language by passing a standardized test.

CMA 105 (Composition I) and CMA 106 (Composition II) are prerequisite to all 200-level "core" courses and all required major courses except for CMA 250 (Introduction to Theater).

All full-time students must enroll in Composition I during their first semester of full-time study and continue consecutively thereafter until they successfully complete both CMA 105 and CMA 106, the six-hour required sequence.

Requirements for Bachelor of Arts Degree in Communicative Arts: Dramatic Literature and Performance Option

	Sem. Hrs.
Basic Studies Requirements (p. 53)	45
Major Requirements	
"Core" Major Courses: CMA 100 or 101, 245, and six semester hours of 200-level literature	
Six semester hours of foreign language	18
CMA 250: Introduction to Theater	3
Eighteen semester hours of major courses from the following: CMA 201, 233, 300, 301, 331, 333, 353, 360, 361.	18
Electives	36
Total	120

Requirements for a Bachelor of Arts Degree in Communicative Arts: English Education Option (Teacher Certification)

	Sem. Hrs.
Basic Studies Requirements (p. 53)	45
Major Requirements	
"Core" Major Courses: CMA 100 or 101, 245, and six semester hours of 200-level literature	
Three additional semester hours of 200-level literature or CMA 302: Literary Analysis and Interpretation	
Upper-Division Major Courses: CMA 351, 371, 465; EED 372, 374, 384; three hours in CMA 162-463 and EED 399; CMA 465	
Six semester hours of foreign language	42
Professional Education Requirements	
EED or EDN 400; EDN 202, 227, 308, 419, 437, 445, 448	25
Electives	8
Total	120

Requirements for a Bachelor of Arts Degree in Communicative Arts: English Language and Literature Option

	Sem. Hrs.
Basic Studies Requirements (p. 53)	45
Major Requirements	
"Core" Major Courses: CMA 100 or 101, 245, and six semester hours of 200-level literature	
CMA 302 Literary Analysis and Interpretation	
CMA 465 Seminar in Literature	
Eighteen semester hours of additional Major Courses (Identified in department publication of 1981-1982 major requirements; minimum of six hours each in English language courses and in literature courses)	39
Six semester hours of foreign language	36
Electives	
Total	120

Requirements for a Bachelor of Arts Degree in Communicative Arts: "Contracted" Major Option

	Sem. Hrs.
Basic Studies Requirements (p. 53)	45
Major Requirements	
"Core" Major Courses: CMA 100 or 101, 245 and six semester hours of 200-level literature	
Approval of contract	
Eighteen semester hours of "Contracted" major courses (up to nine semester hours may be taken in other departments)	
CMA 455: Directed Studies Seminar	
Six semester hours of foreign language	39
Electives	36
Total	120

COURSES

I. COMMUNICATIVE ARTS

BASIC COMMUNICATION SKILLS (CMA)

CS002. Written Communication Skills

Prerequisite: Acceptance into College Opportunity Program
Study and practice of basic skills in written communication, emphasizing sentence mastery and organization and development of paragraphs. Pass/Fail grading. Fall, Summer. No credit.

CS003. Oral Communication Skills

Prerequisite: Acceptance into College Opportunity Program
Study and practice in basic skills in oral communication, emphasizing articulation, rate, rhythm, inflectional patterns, correct pronunciation, acceptable spoken grammatical usage patterns. Fall, Summer. Credit, 3 semester hours.

100. **Interpersonal Communication**
Interpersonal communication behaviors that influence interpersonal relationships. Emphasis on developing personal skills and attitudes in one-to-one relationships and small groups. Fall, Spring, Summer. Credit, 3 semester hours.
101. **Fundamentals of Speech**
Introduction to the fundamentals of public speaking for the beginning student. Based on classical theory and practice. Fall, Spring, Summer. Credit, 3 semester hours.
105. **Composition I**
Writing of expository prose, with attention to effectiveness and accuracy; study and analysis of non-fiction prose; development of basic communication skills. Fall, Spring, Summer. Credit, 3 semester hours.
106. **Composition II**
A continuation of CMA 105 emphasizing the development of rhetorical strategies and the writing of a research paper; introduction to the major literary genres. Fall, Spring, Summer. Credit, 3 semester hours.
200. **English Proficiency**
Prerequisites: CMA 105, 106.
Units include spelling and vocabulary, English usage, sentence building, and research skills. Designed for students with a "D" grade in CMA 105 and/or CMA 106. CMA 200 is to be taken by the end of their junior year. Pass/Fail grading. Not available for Basic Studies credit. Fall, Spring. Credit, 1 semester hour.
202. **Speech Correction Laboratory**
Prerequisite: Permission of instructor.
Designed for the student wishing to correct weaknesses and inaccuracies in his spoken communication patterns. American English speech and sound discrimination skills are developed. Major emphasis upon application of theory in structured practicum. May not be used to satisfy Basic Studies requirement. Pass/Fail grading. Fall. Credit, 3 semester hours.
241. **Spelling and Vocabulary**
Prerequisite: "C" grade or better in both CMA 105 and 106.
Not available for Basic Studies.
A study of specific techniques and proven strategies for correct spelling and vocabulary building. Fall. Credit, 1 semester hour.
242. **English Usage**
Prerequisite: "C" grade or better in both CMA 105 and 106.
Not available for Basic Studies.
Intensive review of parts of speech and their use in the sentence. Study of punctuation forms. Analysis of verb problems and errors that obscure meaning or distract reader. Fall. Credit, 1 semester hour.
243. **Sentence Mastery**
Prerequisite: "C" grade or better in both CMA 105 and 106.
Not available for Basic Studies.
Examination of sentence types, including grammatical modes, sentence embedding, and sentence combining. Includes techniques for improving sentence quality and variety. Fall. Credit, 1 semester hour.

303. Business Communications (BUS 303)

Development of skill in the fundamentals of effective communication and detailed study of principles and application of business letters and business writings, including business reports and other forms of business communication. Two lectures weekly. Fall. Credit, 3 semester hours.

BRITISH AND AMERICAN LITERATURE (CMA)**217. English Literature to 1800**

A historical survey of English Literature from Beowulf to the Romantic period (1800), emphasizing such major writers as Chaucer, Spenser, Shakespeare, Donne, Milton, Dryden, Pope, Swift, Boswell, and Johnson. Fall, Summer. Credit, 3 semester hours.

218. English Literature Since 1800

A historical survey of English literature since 1800 from the beginning of the Romantic Period to the present, emphasizing such major writers as Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Hopkins, Hardy, Yeats, Joyce, Lawrence, and Eliot. Spring, Summer. Credit, 3 semester hours.

220. American Indian Literature (AIS 220)

An introduction to American Indian literature. Texts written, collected or edited by American Indians will be used whenever possible. Fall, Spring, Summer. Credit, 3 semester hours.

222. American Literature to 1865

Consideration of the outstanding literary figures of the Colonial, Federalist, and Transcendental periods, with attention to the social background and literary milieu. Emphasis upon the role of our nation's literature in understanding our national ideals and values. Fall, Spring, Summer. Credit, 3 semester hours.

223. American Literature Since 1865

Consideration of outstanding literary figures representing Realism, Naturalism, and Modernism, with attention to the social background and literary milieu. Emphasis upon the role of our nation's literature in understanding our national ideas and values. Fall, Spring, Summer. Credit, 3 semester hours.

342. The English Novel

Prerequisite: CMA 218 and/or 219 recommended.

A critical study of the English novel from the eighteenth century to the twentieth (from Richardson through Conrad and James), with considerable attention to social history and the novel's formal structure, as experienced in the reading of a number of representative novels. Spring. Credit, 3 semester hours.

343. The American Novel

Prerequisite: CMA 222 or 223 recommended.

A critical study of the American novel and a reading of selected novels from Fenimore Cooper to the present, with emphasis on the formal development of the novel and its reflection of various American social and cultural contexts. Fall. Credit, 3 semester hours.

- 351. Shakespeare**
Prerequisite: CMA 217 recommended.
An introduction to the Elizabethan theater, a study of Shakespeare's career as a dramatist, and a critical survey of a number of major plays—histories, comedies, and tragedies. Fall. Credit, 3 semester hours.
- 366. Modern British and American Poetry**
A study of British and American poetry from Whitman, Dickinson, and Hardy to Sylvia Plath in the early 1960's with emphasis on the major poets of the twentieth century. Spring. Credit, 3 semester hours.
- 450. Seminar in American Indian Literature (AIS 450)**
Prerequisite: Permission of instructor.
A study of selected topics in American Indian Literature. Fall. Credit, 3 semester hours.
- 465, 466. Seminar in Literature**
Prerequisite: Upper-division standing in the University.
Study in a small group setting of particular figures or topics in British, American or World Literature. Each student must contribute and extended essay or equivalent work as part of the seminar experience. Instructors will vary from term to term. Fall, Spring. Credit, 3 semester hours each.

COMPARATIVE AND WORLD LITERATURES (CMA)

- 204. Mythology of All Peoples**
A study of mythic motifs and themes in oral and early written literature, including Asian, African, and American Indian, as well as Greco-Roman and Teutonic-Norse literature; development of mythic traditions in early and modern societies. As announced. Credit, 3 semester hours.
- 205. World Literature I**
A study primarily of Western literature, emphasizing the contributions of its greater writers to both the representative culture and the subsequent tradition, through the Renaissance. Fall, Spring, Summer. Credit, 3 semester hours.
- 206. World Literature II**
A study of the greatest works and authors of primarily Western literature from the seventeenth to the present century. Fall, Spring, Summer. Credit, 3 semester hours.
- 207. Studies in Literature**
Study of a specific genre or topic in world literature: its characteristic and significance as both a cultural product and a form of literary expression. Title and topic will vary from year to year. As announced. Credit, 3 semester hours.
- 202. Literary Analysis and Interpretation**
Prerequisite: Six hours of literature.
An introductory study of critical approaches to literature with practice in analyzing and interpreting representative works both in the Anglo-American tradition and in English translation. Fall. Credit, 3 semester hours.

354. Modern Drama

A study of selections from the drama of the Western world of the nineteenth and twentieth centuries. Spring. Credit, 3 semester hours.

403. Contemporary World Fiction

Prerequisite: CMA 206 recommended.

A survey of the short story, short novel and novel in the twentieth century. Fall. Credit, 3 semester hours.

465, 466 Seminar in Literature (see under "British and American Literature")**EXPOSITORY AND CREATIVE WRITING (CMA)****277. Creative Writing I**

Designed for serious study and practice of various literary forms. Fall, Spring. Credit, 3 semester hours.

305. Feature Writing

The writing of articles in depth for newspapers and magazines. A practical course that ranges widely in terms of possible prose writing experience. Fall. Credit, 3 semester hours.

309. Editorial Writing

The study and analysis of editorial writing in major newspapers with special emphasis on principles and practices. Students will actually write editorials for publication. Spring. Credit, 3 semester hours.

377. Creative Writing II

Prerequisite: CMA 277.

Designed for serious study and practice of various literary forms beyond the level presented in CMA 277. Fall, Spring. Credit, 3 semester hours.

426. Creative Writing Workshop

Prerequisite: CMA 277 or permission of Department Chairman.

This course will normally be taught by visiting writers and may be repeated for credit. Offered when circumstances warrant. Credit, 1-3 semester hours; maximum, 6 semester hours.

JOURNALISM (CMA)**240. Newswriting and Reporting I**

An introduction to print journalism with emphasis on the development of skills and techniques in effective newswriting. Fall, Spring. Credit, 3 semester hours.

305. Feature Writing (see under "Expository and Creative Writing")**306. News Editing and Typography**

Techniques of preparing copy for publication, the writing of newspaper headlines; and front and inside makeup (design). Fall. Credit, 3 semester hours.

39. Editorial Writing (see under "Expository and Creative Writing")
40. Newswriting and Reporting II
Prerequisite: CMA 240 or permission of instructor.
Designed to familiarize the student with the total range of reporting possibilities. Each term a field of specialization will be chosen for emphasis. Also introduces copyreading and news editing. Fall, Spring. Credit, 3 semester hours.
90. Community Journalism
Prerequisite: CMA 240, 340 or permission of Department Chairman.
A pragmatic course designed to provide the student (in an internship arrangement) with actual practice in writing and editing for a newspaper, radio station, or television station in the area. Fall, Spring, Summer. Credit, 3 semester hours.

LINGUISTICS AND GRAMMAR (CMA)

45. Aspects of the English Language
An introduction to the English language including applied study of such topics as the history of the language and its acquisition, dialects, semantics, lexicography, phonology, orthography, grammatical systems, and standards of modern English usage. Written exercises or reading reports in these topics. Fall, Spring. Credit, 3 semester hours.
9. American Dialects and Semantics
Prerequisite: CMA 245 recommended.
A study of the applications and implications of two major, related facets of spoken American English: dialects and semantics. Fieldwork in the region or elsewhere in the Carolinas. Fall. Credit, 3 semester hours.
1. Modern English Grammar
Prerequisite: CMA 245 for English education majors.
A study of modern and traditional English grammar, including structural linguistics and transformational grammar. Fall, Spring, Summer. Credit, 3 semester hours.
1. Language and Society (SOC 323)
Prerequisite: CMA 245 recommended.
An introduction to the socio-linguistic consequences of language. The effect of language on society and society on language. Spring. Credit, 3 semester hours.

MASS COMMUNICATIONS (CMA)

1. Introduction to Mass Communications
An introduction to the cultural effects of radio, film, television, and print (books, magazines, and newspapers) and the forces that shape their form and content. Spring. Credit, 3 semester hours.
1. Radio and Television Programming
Prerequisite: CMA 210 or permission of Department Chairman.
Supervised preparation of copy for short programs; taping for broadcast of news and sports programs, public service announcements, and commercial messages. Pass/Fail grading. Fall. Credit, 3 semester hours.

375. Studies in Film

Prerequisite: CMA 210 recommended.

A course in film criticism including an introduction to elements of film study, a brief survey of film history, and an exploration of significant directors, themes, or types of film. Fall. Credit, 3 semester hours.

378. The American West: Myth and Reality (HST 378)

An interdisciplinary study of myth and reality of the American West as developed through films, literature and history. Although the course will emphasize the events of the period from 1850-1890, it will also attempt to show the influence of the West as a concept down to the present. Spring. Credit, 3 semester hours.

390. Community Journalism (see under "Journalism")**SPEECH COMMUNICATION (CMA)****209. Public Relations**

A critical study of public relations as communication effort to influence and persuade in contemporary society. Fall. Credit, 3 semester hours.

225. Argument and Debate

The essentials of argumentation; use of reasoning and evidence; definition, analysis, case construction and refutation; application to various forms of speech making. Fall. Credit, 3 semester hours.

300. Oral Interpretation

Techniques of interpretive reading as means of understanding and communicating to an audience a work of literary art in its intellectual, emotional, and aesthetic entirety. Fall. Credit, 3 semester hours.

315. Voice and Diction

Fundamentals of voice production and articulation; students are given practice in refining and expanding spoken communication skills. Spring. Credit, 3 semester hours.

357. Discussion Techniques

An exploration of various discussion techniques. Parliamentary procedure will also be studied as a means of formalizing discussion. Fall. Credit, 3 semester hours.

409. Practicum in Advanced Public Relations Communication

Prerequisite: CMA 209.

A practical application of the principles of persuasive communication in public relations, with a study of case histories. Emphasis will be given to solving, implementing, and evaluating a strategy of public relations communication. Spring. Credit, 3 semester hours.

THEATER (CMA)**162, 163; 262, 263; 362, 363; 462, 463. Play Production**

Experience in acting, costuming, lighting, and staging plays. Students will participate in or be part of work crew on one production. Pass/Fail grading. Fall, Spring, Summer. Credit, 1 semester hour each.

164. **Stage Make-Up**
Theory and practice of the application of make-up for the stage using practical make-up application for class exercises. Fall. Credit, 1 semester hour.
165. **Costumes for the Actor**
The development and use of materials, basic sewing and costume design elements for the actor in both rehearsal and production situations. Fall. Credit, 1 semester hour.
201. **Elementary Acting**
Theory and practice of the fundamentals of acting including basic study in analyzing and building a character; introduction to styles of acting. Fall. Credit, 3 semester hours.
233. **Stagecraft**
Study of theories and techniques used in creating a stage environment. Students will participate in various aspects of production as a practical supplement to classroom lectures. Spring, Summer. Credit, 3 semester hours.
234. **Scene Design**
Techniques and theory of design of settings for stage productions. Practical development of perspective drawings, models, and elevations for the stage. Spring. Credit, 1 semester hour.
235. **Stage Management**
Theory and practice of stage management in Broadway, regional, community and educational theaters. To include the stage manager's responsibilities during rehearsals as well as during performances. Spring. Credit, 1 semester hour.



250. Introduction to the Theater

Introduction to both the practice and literature of the theater; survey of the artists of the theater and dramatic literature from Greece to the present. Fall. Credit, 3 semester hours.

301. Advanced Acting

Prerequisite: CMA 201.

Advanced work in theory and practice of acting; advanced work in analyzing and building a character; styles of acting. Spring. Credit, 3 semester hours.

331. Play Direction

Prerequisite: CMA 201 or approval of instructor.

Study of the theory and practice of directing for the theater; classroom theory supported by individual experience in selection and analysis of scripts, casting, rehearsal and production. Fall. Credit, 3 semester hours.

333. Lighting

Prerequisite: CMA 233 recommended.

Application of theories and techniques in preparing and mounting scenic lighting. Considerations include aspects of functional and creative design along with analysis, operation, and maintenance of lighting implements. Spring. Credit, 3 semester hours.

353. Theater Management

Theory and practice of theater management objectives including: theater organization, season, budget, schedule, personnel, publicity, box office, and house management. Spring. Credit, 3 semester hours.

360. History of the Theater: The Beginnings to 1642

Prerequisite: CMA 250 or consent of Department Chairman.

Study of the theater, both its physical form and its literature, from the earliest beginnings to 1642. Fall. Credit, 3 semester hours.

361. History of the Theater: 1660 to the Present

Prerequisite: CMA 360 or consent of Department Chairman.

Study of the theater, both its physical form and its literature, from 1660 to the present. Spring. Credit, 3 semester hours.

CMA SEMINARS (CMA)**450. Seminar in American Indian Literature (See under "British and American Literature")****455. Directed Studies Seminar**

Required of all contracted majors, recommended to all CMA majors.

Prerequisite: Upper-division major.

This course teaches advanced research techniques and gives the student guidance in a program designed by the student and his research director. The course culminates the student's major with an independent, substantive project. Spring. Credit, 3 semester hours.

465, 466. Seminar in Literature (see under "British and American Literature")

II. ENGLISH AND SPEECH EDUCATION (EED)

The English and Speech Education programs help prospective teachers develop a personal philosophy of teaching; to become effective teachers of writing, reading, speaking, listening; to see the futility of teaching in isolation; to recognize that teachers need to be creative, original, inspiring, willing, positive, untiring, and resilient. The Department also attempts to provide in-service teachers opportunity to update their preparation through an annual English Education Conference and summer or academic year workshops.

Eight courses required for certification constitute the core of the program; 310, 382, 383, and 394 (for Elementary and Intermediate Certification); 372, 374, 384 (for secondary English certification); 318 (for Special Education certification). Up to four semester hours of experiential-learning credit may be earned in EED 339: Practicum in Laboratory Experiences.

310. Speech Education

Opportunity for teachers to acquire standards for recognizing speech problems and improving speech habits of students. Fall, Spring, Summer. Credit, 3 semester hours.

318. Language Acquisition of Children

Prerequisites: CMA 245 and/or EDN 102.

Basic understanding of how a young child acquires his language; methods and procedures for promoting and measuring language development. Spring. Credit, 3 semester hours.

372. English Language for Adolescents

Prerequisite: CMA 245; 371 recommended.

Studies in the theories, strategies, and materials of language and language teaching on the junior and senior high school levels, with emphasis on the latter. Includes a section on the history of English. Fall. Credit, 3 semester hours.

374. English Composition for Adolescents

Studies in the theories, strategies, and materials of composition and composition teaching on the junior and senior high school levels, with emphasis on the latter. Spring. Credit, 3 semester hours.

382. Children's Literature (Early Childhood)

Studies of literature which will develop within the child an interest upon which his teachers in higher grades can build. Attention to materials and methods which will be successful in the primary classroom. Fall, Spring, Summer. Credit, 3 semester hours.

383. Children's Literature (Intermediate Grades)

Reviews the leading genres in literature for students within the intermediate level, 4-9, and suggests to prospective teachers specific correlations with the total curriculum as it stresses literature for enrichment. Materials and methods included. Fall, Summer. Credit, 3 semester hours.

384. Literature for Adolescents

A survey of literature for adolescents in junior and senior high school, emphasizing the development of standards for selecting such materials for school and home, with attention given to the methods of teaching this literature. Required for English Education majors; may be elected by any CMA major. Spring. Credit, 3 semester hours.

394. Oral Language in the Elementary School

Deals with theory, instructional techniques and instructional materials related to oral language teaching at the elementary level. Students have opportunities to work with children in practicum situations. Fall, Spring, Summer. Credit, 3 semester hours.

399. Practicum in Laboratory Experiences

Prerequisite: Junior or senior standing and permission of EE/CC Director. A practicum involving tutorial service in the English Education/Communications Center and/or area public schools. Pass/Fail grading. Each semester. Credit, 1-2 semester hours. Maximum: 4 semester hours.

400. Methods of Teaching English in the Secondary School

Purposes, methods, materials, and evaluation procedures in the certification area: directed observation in the secondary school; preparation of teaching plans and materials. Accelerated. Fall, Spring. Credit, 3 semester hours.

III. FOREIGN LANGUAGES

A student presenting two or more units in a high school language course and wishing to continue the study of that language should, after having satisfactorily passed a proficiency examination in the language, register in the course for which he is qualified.

FRENCH (FRH)**131, 132. Elementary French**

The sequence of 131-132 introduces the essential elements of French structure and vocabulary and some aspects of French culture. Aural comprehension, speaking, reading, and writing are stressed in that order. One hour per week of laboratory practice is required. Fall, Spring. Credit, 3 semester hours each.

231, 232. Intermediate French

Prerequisites: FRH 131, 132 or two units of high school French and a satisfactory score on the French proficiency test. Grammar review; translation and composition; oral practice through drill and discussion. An introduction to French civilization and literature. Fall, Spring. Credit, 3 semester hours each.

255, 256. French Conversation and Composition

Intensive practice in aural-oral French, based on contemporary French prose and civilization subject matter; further study of grammar, vocabulary, and idiom; further training in formal and free composition. Fall, Spring. Credit, 3 semester hours each.

321, 322. Study of French Literature

Prerequisite: FRH 231, 232 or permission of instructor.

Masterpieces of French literature from the beginning to the present as an outgrowth of French history and civilization. Fall, Spring. Credit, 3 semester hours each.

361. French Civilization and Culture

Prerequisite: FRH 231 or its equivalent.

A course designed to give students a better understanding of the history and civilization of France and other French-speaking countries and to increase their knowledge of the general aspects of French culture. Fall or Spring. Credit, 3 semester hours.

451. Study Abroad: Study Tour in France (Elective)

Prerequisite: Permission of instructor.

A trip designed to acquaint the student with various aspects of French life and civilization through visits to places of historical interest, museums, theatrical performances, cafes, and through conversations with the people. Summer. Credit, 2-7 semester hours.

SPANISH (SPN)**101, 102. Spanish for Business Communication**

Prerequisite: Permission of instructor.

Development of functional communication skills for routine business transactions, reading ability for newspapers and journals, and basic social skills. Does not meet CMA foreign language requirement. Fall, Spring, Summer. Credit, 3 semester hours each.

131, 132. Elementary Spanish

The sequence 131-132 introduces the essential elements of Spanish structure and vocabulary and some aspects of Spanish culture. Aural comprehension, speaking, reading and writing are stressed in that order. One hour per week of laboratory practice is required. Fall, Spring. Credit 3 semester hours each.

231, 232. Intermediate Spanish

Prerequisites: 131, 132, or two units of high school Spanish and a good score on the Spanish proficiency test.

The sequence 231-232 develops increased competence in aural comprehension, speaking, reading and writing and reviews Spanish grammar. Fall, Spring. Credit, 3 semester hours each.

255, 256. Spanish Conversation and Composition

Prerequisite: 232 or its equivalent.

The purpose of the sequence 255-256 is to develop fluency in conversation and facility in composition. Fall, Spring. Credit, 3 semester hours each.

321. Survey of Spanish Literature to 1800

Prerequisite: SPN 231, 232 or permission of instructor.

Survey of the literature from its beginning to 1800 A.D. Fall. Credit, 3 semester hours.

322. Survey of Spanish Literature since 1800
Survey of the literature from 1800 A.D. to the present. Spring. Credit, 3 semester hours.
360. Hispanic Civilization and Culture
A study of the history and civilization of Spain, Portugal, and Latin America and selected aspects of Hispanic culture. Spring. Credit, 3 semester hours.



Pembroke Magazine, founded in 1969 by Norman Macleod, Professor Emeritus in Communicative Arts at Pembroke State University, focuses on North Carolina, national and international writers, and publishes both beginners and established writers. *Pembroke Magazine* is considered one of the world's most outstanding literary magazines.

EDUCATION

Chairman: GERALD D. MAYNOR

PAUL J. BERGHOFF
MARY M. BUXTON
RHODA P. COLLINS
BEN JAY DRYMON
CARL M. FISHER
JESSE M. LAMM

DONALD R. LITTLE
WILLIE MCNEILL, JR.
JOHN T. RUSSELL
LAWRENCE R. SCHULTZ
KATHRYN M. SULLIVAN

The primary function of the Department of Education is to provide professional preparation for individuals who are preparing to teach in the public schools. The total program of professional education is designed to encompass an understanding of the learner, of the learning process, of the school and the meanings and purposes of education, and to foster the development of professional skills in methods and techniques of instruction. The Department of Education utilizes the resources of the entire University for the academic subject matter necessary for breadth and depth of background in the liberal arts and in the sciences, both of which are essential to effective teaching. The professional program is designed to meet the criteria for teacher certification as set forth by the North Carolina Department of Public Instruction, the criteria for accreditation by the National Council for the Accreditation of Teacher Education (NCATE), and the criteria implied in the philosophy of the University.

Each student has the responsibility for consulting with his major advisor and the Education Department in order to keep abreast of all regulations and information concerning his academic record for graduation and/or certification. All prospective teachers should study the requirements of the state in which they plan to teach, as well as the requirements of the University, keeping in mind that graduation and certification programs are not necessarily the same even though it is possible to achieve both in a planned program.

ADMISSION TO THE TEACHER EDUCATION PROGRAM

The Teacher Education Committee selectively admits and periodically evaluates students in the Teacher Education Program on the basis of scholastic aptitude, personality, and suitability for teaching.

According to the criteria established by the Teacher Education Committee a student who wishes to enroll in the program must, prior to enrollment in Education 202: (1) apply to the Teacher Education Committee for admission; (2) have completed successfully two semesters of college work; (3) have an overall cumulative quality point average of 2.5 or better on a 4.0 scale; (4) present a statement of eligibility signed by the Registrar and from his advisor; (5) present an endorsement and recommendation for admission from his advisor and major department head; (6) present a statement of health and character fitness from the Dean of Student Affairs; and (7) have approval from the Chairman of the Teacher Education Committee concerning conditions involving special handicaps which might adversely affect the student's ability to attain minimal competency in the teaching profession. To be continued in the program the student must maintain an overall quality point average of 2.5, and earn a minimum of C or better in the beginning course (EDN 227). The student who does not meet this criterion for continuing in the program is notified by the Chairman of the Teacher Education Committee.

When the student's application for admission to the Professional Semester of the Teacher Education Program is disapproved or when the student earns a course grade of "D" or "F" on one of the required education courses, the student is dropped from the Teacher Education Program and may not continue as a teacher education major until he reapplies for admission to the program through the Chairman of the Education Department and the appropriate Program area coordinating team to the Teacher Education Committee and is approved by them for readmission to the Program. Upon being readmitted to the Program, the student must retake the required education course in which the "D" or "F" was earned and earn a minimum course grade of "B" or better on that course. The course may be repeated one time only.

ADMISSION TO THE PROFESSIONAL SEMESTER

The professional semester occurs in the senior year and is devoted entirely to study in professional education and to student teaching. No student accepted for enrollment in the professional semester is permitted to register for any course other than those specified as professional education courses.

The application for enrollment in the professional semester must be filed with the Director of Student Teaching not later than three months prior to enrolling in the professional semester.

To be eligible for consideration by the Teacher Education Committee and approved for enrollment in the professional semester, each candidate for a teaching certificate must: (1) have completed all required basic studies courses; (2) be within not more than one summer

of graduation upon completion of the professional semester; (3) not lack more than six semester hours of completing the requirements in the major field of study; (4) have a quality point average of 2.5 or better in his major field; (5) present a certificate of eligibility verified by the Registrar; (6) present a final recommendation as to character, suitability and aptitude for teaching from his advisor and major department head; and (7) a statement of physical fitness from a licensed physician.

Conditions involving special handicaps which might affect the student teaching experience must be approved by the Director of Student Teaching.

TEACHER CERTIFICATION

The North Carolina State Department of Public Instruction issues initial Class A teacher certification to graduates of Pembroke State University's approved program. This includes specified courses in their teaching field(s), prescribed courses in education, and recommendations for certification by the appropriate department head and the Chairman of the Department of Education.

THE NATIONAL TEACHER EXAMINATION

All persons qualifying for a teaching certificate in North Carolina must take the Common and Teaching Area sections of the National Teacher Examination. The prospective teacher takes the examination during the semester in which he does student teaching. Information and application forms may be obtained from the Director of the Guidance, Testing and Placement Center.

THE CURRICULUM LABORATORY

The Curriculum Laboratory or materials center is a unit within the Department of Education and is an essential part of the teacher education facility which contains professional and instructional materials and which provides support to all areas of the teacher education program. The Laboratory has, for example, textbooks used in elementary and secondary school, teaching units, courses of study, instructional media and equipment, curriculum outlines, and supplies and materials for production and preparation of teaching materials.

THE LEARNING LABORATORY

The Learning Lab is a unit within the Department of Education. The lab which is utilized by professors and education majors provides space for the study and development of instructional materials—

commercial and teacher-made. In addition to a wide collection of manipulative and multi-sensory materials, the Learning Lab also houses furniture and other physical equipment appropriate for creating flexible educational environments.

THE READING CENTER

Pembroke State University maintains a center for the improvement of reading and for instruction in how to study, how to improve reading comprehension, how to increase vocabulary, and how to increase reading rate. Facilities and equipment are provided for diagnosing reading difficulties and for achieving peak skill in reading efficiency and comprehension. Services of the center are available to any Pembroke State University student who wishes to improve his reading ability.

The Center consists of lecture rooms for general classes and a number of smaller multi-purpose rooms containing individual study carrels, individual instructional materials, and special listening stations. Facilities are available for individualized testing and instruction, and are utilized by student and faculty members from all academic departments of the University.

SECONDARY EDUCATION

Curriculum check-sheets, available from advisors and chairmen of the academic departments, outline specialized programs of study for majors who are preparing to teach at the secondary level.

Secondary school teaching certificates are obtained in conjunction with the degree of Bachelor of Arts or Bachelor of Science, with a major in a teaching field or subject. The Department of Education does not offer a degree in secondary education. The requirements for the secondary teaching certificate are as follows:

- I. The Basic Studies Program. Students seeking secondary school certification must have six semester hours of history, six semester hours of literature, and should consult with the chairman of their major department prior to registering for basic studies courses.
- II. Professional requirements for the secondary teaching certificates: 25 semester hours consisting of Education 202, 227, 308, 400, 419, 437, 445, and 448.

ELEMENTARY EDUCATION

The Department of Education offers programs leading to the Bachelor of Science degree in Elementary Education, with North Carolina teacher certification in Early Childhood Education and in Intermediate Grades Education. Curriculum checksheets outlining

course recommendations for meeting programs of study requirements are available from departmental advisors and the Office of the Chairman of the Department of Education.

Requirements for a Bachelor of Science Degree in Elementary Education with Teacher Certification in Early Childhood Education

	Sem. Hrs.
Basic Studies Requirements (p. 53)* (To include six hours each of literature and history.)	45
Major Requirements EDN 102, 410, 453, 455, 463, 465; ART 108; HED 310; PED 319; MUS 224; EED 310, 382, 394; CMA 371	42
Professional Education Requirements EDN 202, 227, 301, 306, 435, 442, 446, 474	25
Electives	8
Total	<u>120</u>

Students who plan a major in Elementary Education should consult with the Department Chairman prior to registering for Basic Studies Courses.

Requirements for A Bachelor of Science Degree in Elementary Education with Teacher Certification in Intermediate Grades Education

	Sem. Hrs.
Basic Studies Requirements (p. 53)* (To include six hours each of literature and history.)	45
Major Requirements** EDN 102, 413; CMA 371; EED 310, 383, 394; HED 311; MAT 102; MUS 299; PED 316; ART 108 and (2 recommended) subject matter areas of concentration, and sufficient electives to total 51 semester hours.	51
Professional Education Requirements EDN 202, 227, 304, 307, 436, 443, 447, 475	25
Total	<u>121</u>

Students who plan a major in Elementary Education should consult with the Department Chairman prior to registering for Basic Studies Courses.

*Approved Areas of Concentration for Intermediate Grades Teacher Certificates are as follows: Social Studies, 24 hrs.; Science, 18 hrs.; Mathematics, 18 hrs.; Music, 18 hrs.; Reading, 18 hrs.; Health and Physical Education, 18 hrs.; Special Education, 18 hrs.; Foreign Languages, 18 hrs.; Art, 18 hrs.; Language Arts, 24 hrs. A student who chooses Intermediate Grades Education as his major completes two subject-matter areas of concentration. See curriculum checksheet in the Department of Education.

READING EDUCATION

The Department of Education offers a program leading to the Bachelor of Science degree in Reading Education with North Carolina Teacher Certification. Curriculum checksheets are available from departmental advisors and the office of the Chairman of the Department of Education. Students must meet the criteria stated in the Pembroke State University general catalog for admission to the Teacher Education Program.

Requirements for a Bachelor of Science Degree in Reading Education with Teacher Certification:

	Sem. Hr
Basic Studies Requirements (p. 53)*	45
Major Requirements	51
EDN 102, 410 or 413 or 419, 424, 425, 483, 484, 485, 486	
MUS 209	
SED 340	
ART 108, 225	
HED 310 or 311	
PED 316 or 319	
CMA 101, 318	
EED 382 or 383, 394	
Professional Education Requirements	25
EDN 202, 227, 301 or 304, 306 or 307 or 308, 438, 441, 450, 478	
Electives	0
Total	<u>121</u>

* Students who plan a major in Reading Education should consult with the Departmental Chairman or Coordinator of Reading Education prior to registering for Basic Studies courses.

SPECIAL EDUCATION

The Department of Education offers a program leading to the Bachelor of Science degree in Special Education with North Carolina certification. Curriculum checksheets are available from departmental advisors and the office of the Chairman of the Department of Education. Students must meet the criteria stated in the Pembroke State University general catalog for admission to the Teacher Education Program.

Requirements for a Bachelor of Science Degree in Special Education with Teacher Certification

	Sem. Hrs.
Basic Studies Requirements (p. 53)*	45**
Major Requirements	48**
SED 100, 200, 301, 310, 340, 400	
EDN 102, 410 or 413, 425	
HED 418	
ART 224	
MUS 209, 224	
EED 318, 382 or 383 or 384, 394	
PSY 299	
Professional Education Requirements	22
EDN 202, 227, 306 or 307 or 308, 439, 444	
SED 449, 470	
Electives	6
Total	<u>121</u>

* Students who plan a major in Special Education should consult with the Department Chairman prior to registering for Basic Studies courses.

** Some courses listed under Major Requirements also meet Basic Studies requirements.

COURSES

EDUCATION (EDN)

00. Reading Laboratory

A laboratory course designed to help (1) freshmen who are deficient in reading and study skills and (2) others referred by the several academic departments of the University. Fall, Spring, Summer. One class and one laboratory period weekly. No credit.

01. Developmental Reading

A course designed to improve a student's vocabulary, reading rate, and comprehension skills. Open to all students. Fall, Spring. Credit, 3 semester hours.

02. Language Skills in Teaching Reading

A study designed for helping prospective elementary teachers improve their power in the use of language skills in the teaching of reading. Fall, Spring, Summer. Credit, 3 semester hours.

02. Educational Psychology

Prerequisite: EDN 227.

Theoretical and empirical findings of psychology related to the teaching-learning process in the classroom. Fall, Spring, Summer. Credit, 3 semester hours.

07. Foundations of Education I

Philosophical, historical, and sociological foundations of education, including analysis of contemporary issues and problems. It is the beginning screening course for those seeking teacher certification. Fall, Spring, Summer. Credit, 3 semester hours.

301. Early Childhood Curriculum

Prerequisite: EDN 202.

A study of curriculum emphasizing the interrelationship between content, method, and child development. Required of all early childhood majors. (Must be taken prior to student teaching.) Fall, Spring, Summer. Credit, 3 semester hours.

304. Intermediate Grades Curriculum

A study of curriculum as content and method, including innovative instructional media pertaining to the intermediate grades. (Must be taken prior to student teaching.) Fall, Spring, Summer. Credit, 3 semester hours.

306. Psychology of Early Childhood

Empirical findings and theories concerning early childhood growth and development and their relevance to early childhood education. Fall, Spring, Summer. Credit, 3 semester hours.

307. Human Growth and Development

Growth and development from conception to adulthood with focus on preadolescence (ages 9-13) for intermediate grades majors. Fall, Summer. Credit, 3 semester hours.

308. Psychology of Adolescence

Empirical findings and theories of adolescence relevant to the behavior and learning of adolescents. Fall, Spring, Summer. Credit, 3 semester hours.

400. Methods of Teaching in the Secondary School

Purposes, methods, materials, and evaluation procedures in the subject or area indicated; directed observation in the public schools; preparation of teaching plans and materials: (a) social studies, (b) mathematics, (c) science, (d) English, (e) business education, (f) home economics. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.

410. Teaching Reading-Early Childhood

A study of reading as a growth process and as a developmental task; to include the current trends, materials, approaches, and diagnostic procedures for meeting individual needs in early childhood education. (Must be taken during Junior or Senior year and prior to student teaching.) Fall, Spring, Summer. Credit, 3 semester hours.

413. Teaching Reading-Intermediate Grades

A study of current trends, materials, practices, and diagnostic procedures for the teaching of reading in intermediate grades. (Must be taken during Junior or Senior year and prior to student teaching.) Fall, Spring, Summer. Credit, 3 semester hours.

418. Measurement and Evaluation in Public Schools

A study of current educational measurement. Includes the use and construction of standardized mental and achievement tests, and of informal, teacher-made tests. Fall or Spring. Credit, 3 semester hours.

419. Teaching Reading in the Secondary School

Methods and materials for teaching the basic reading skills and the specific reading skills required to read in the several content areas. Required of all secondary certificate candidates. Fall. Credit, 3 semester hours.

420. **Workshop in the Teaching of Reading**
Prerequisite: EDN 413 or its equivalent.
A study of current reading problems, materials, methods, and instructional media designed to give the classroom teacher practical experience in the teaching of reading. Summer. Credit, 3 semester hours.
423. **Research in Elementary Education**
An introduction to research, designed to allow student investigation and report of a problem in elementary education with the approval and guidance of the instructor. Fall, Spring, Summer. Credit, 1-6 semester hours.
424. **Modern Trends in the Teaching of Reading**
Prerequisite: EDN 410 or EDN 413 or EDN 419.
Designing reading programs at all levels based on a comprehensive study of current research in the area of reading instruction. Summer. Credit, 3 semester hours.
425. **Classroom Diagnosis of Reading Difficulties**
Prerequisite: EDN 410 or EDN 413 or EDN 419.
Methods and materials used in the diagnosis and remediation of reading difficulties. Fall, Spring, Summer. Credit, 3 semester hours.
- 426A, 426B. **Workshops in Early Childhood Education**
To provide teachers and advanced students practical training and experience in aspects of early childhood education. 426-A presents academic learning with emphasis on individualization of instruction. 426-B deals with creative and artistic activities. Alternate Summers. Credit, 3 semester hours each.
433. **Research in Secondary Education**
An introduction to research designed to allow student investigation and report of a problem in secondary education with the approval and guidance of the instructor. Fall, Spring, Summer. Credit, 1-6 semester hours.
434. **Problems in Contemporary Education**
Designed for individual study of trends, practices, and instructional materials related to current problems in education. Fall, Spring, Summer. Credit, 1-3 semester hours.
435. **Mainstreaming the Exceptional Student (Early Childhood)**
Prerequisite: Admission to the professional education semester.
A study of the special-needs student in the regular classroom. This course is designed to provide future educators with knowledge about, and necessary competencies to work with, exceptional children and youth. Fall, Spring. Credit, 1 semester hour.
436. **Mainstreaming the Exceptional Student (Intermediate Grades)**
Prerequisite: Admission to the professional education semester.
A study of the special-needs student in the regular classroom. This course is designed to provide future educators with knowledge about, and necessary competencies to work with, exceptional children and youth. Fall, Spring. Credit, 1 semester hour.

437. **Mainstreaming the Exceptional Student (Secondary)**
Prerequisite: Admission to the professional education semester.
A study of the special-needs student in the regular classroom. This course is designed to provide future educators with knowledge about, and necessary competencies to work with, exceptional children and youth. Fall, Spring. Credit, 1 semester hour.
438. **Mainstreaming the Exceptional Student (Reading)**
Prerequisite: Admission to the professional education semester.
A study of the special-needs student in the regular classroom. This course is designed to provide future educators with knowledge about, and necessary competencies to work with, exceptional children and youth. Fall, Spring. Credit, 1 semester hour.
439. **Mainstreaming the Exceptional Student (Special Education)**
Prerequisite: Admission to the professional education semester.
A study of the special-needs student in the regular classroom. This course is designed to provide future educators with knowledge about, and necessary competencies to work with, exceptional children and youth. Fall, Spring. Credit, 1 semester hour.
441. **Foundations of Education II (Reading)**
Prerequisite: Admission to the professional education semester.
Provides an understanding of the purposes, organization, and administration of reading programs in schools. Consideration is given to the role of the reading teacher in working with students and as a reading resource teacher in schools. Fall, Spring. Credit, 3 semester hours.
442. **Foundations of Education II (Early Childhood)**
This course provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the early childhood teacher in the classroom, the school, the school system, and education. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.
443. **Foundations of Education II (Intermediate Grades)**
This course provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the intermediate teacher in the classroom, the school, the school system, and education. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.
444. **Foundations of Education II (Special Education)**
Provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the teacher in the special education classroom, the school, the school system, and education. Fall, Spring, Summer. Accelerated. Credit, 3 semester hours.
445. **Foundations of Education II (Secondary)**
This course provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the secondary teacher in the classroom, the school, the school system, and education. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.

446. **Student Teaching in the Elementary School (Early Childhood)**
Provides continuous full-time student teaching experiences in an off-campus school at the early childhood level. (See pages 000-000 for eligibility criteria.) Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.
447. **Student Teaching in the Elementary School (Intermediate Grades)**
Provides continuous full-time student teaching experiences in an off-campus school at the intermediate level. (See pages 000-000 for eligibility criteria.) Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.
448. **Student Teaching in the Secondary School**
Provides continuous full-time student teaching experiences in an off-campus public school in the subject area for which the candidate is preparing to teach. (See pages 000-000 for eligibility criteria.) Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.
450. **Student Teaching in Reading Education**
Provides continuous full-time student teaching experiences in an off-campus school in the teaching of reading. (See pages 000-000 for eligibility criteria.) Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.
453. **Teaching Social Studies in the Elementary School**
Prerequisite: Basic studies requirements in history.
Designed to provide the prospective and/or in-service teacher with the opportunity to gain proficiency in analyzing social studies content and evaluating materials, trends and issues in the elementary school. As announced. Credit, 3 semester hours.
455. **Teaching Science in the Elementary School**
Prerequisite: Basic studies requirements in science.
Designed to assist prospective and/or in-service teachers with developing competencies for teaching elementary school science. Special emphasis will be placed on 1) designing a science curriculum which focuses on the interrelationship that exists among the science content areas, and 2) developing a process-oriented science program based on the developmental needs of the elementary school child. As announced. Credit, 3 semester hours.
463. **Teaching of Mathematics in the Elementary School**
Prerequisite: Basic studies requirement in mathematics.
Designed to assist prospective and/or in-service teachers with developing competencies for teaching mathematics content and processes in the elementary school. Concrete materials will be used in developing mathematical concepts. As announced. Credit, 3 semester hours.
465. **Educational Trends and Practices in Pre-School Education**
A study of educational trends and emerging patterns of contemporary education for the pre-school child. Emphasis placed on the roles and responsibilities of administrators, teachers, parents, volunteers and local agencies in the operation of pre-school programs. As announced. Credit, 3 semester hours.

472. **Diagnostic and Remedial Mathematics Methods**
Students will learn techniques for diagnosis and remediation of mathematical skill problems of children in grades K through 9. Students will also demonstrate competency in using resources and research related to mathematics (in education.) As announced. Credit, 3 semester hours.
474. **Techniques, Materials and Resources in Early Childhood Education**
An in-depth study of selected curriculum areas in early childhood education. Presents materials and resources included in language arts, social studies, political science, natural science, and mathematics as needed in programs for young children. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.
475. **Techniques, Materials and Resources in Intermediate Grades Education**
This course stresses the use of specialized materials and resources included in the several content areas of the intermediate grades. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.
478. **Techniques, Materials and Resources in Reading Education**
Prerequisite: Admission to the professional education semester.
This course stresses the use of specialized materials, equipment, and resources included in the teaching of reading in developmental and remedial school situations. Fall, Spring. Credit, 3 semester hours.
479. **Practicum in Corrective Reading**
Prerequisite: EDN 425 and/or Permission of the Chairman of the Department.
Provides the student an opportunity to experiment and/or conduct an in-depth study of selected problems or projects in the teaching of reading. Fall, Spring, Summer. Credit, 3 semester hours.
483. **Psychology of Reading**
Prerequisite: EDN 410 or EDN 413 or EDN 419.
A study of the psychological factors in learning to read, reading ability, reading disabilities, and the bases for instructional methods and materials in reading. Fall, Spring, Summer. Credit, 3 semester hours.
484. **Tests and Measurement in Reading**
Prerequisite: EDN 410 or EDN 413 or EDN 419.
A consideration of the nature and function of measurement in reading education, teacher-made and standardized tests and scales. Introduction to statistical concepts of measurement in reading education. Fall, Spring, Summer. Credit, 3 semester hours.
485. **Practicum in Reading Education: Diagnosis**
Prerequisites: EDN 410 or EDN 413 or EDN 419, or EDN 425 or must be taken concurrently with EDN 425.
Students engage in the actual diagnosis of children with reading disabilities under supervised laboratory conditions. Fall, Spring. Credit, 3 semester hours.
486. **Practicum in Reading Education: Remediation**
Prerequisite: EDN 485.
Under supervised laboratory conditions, students provide corrective and remedial reading instruction to children diagnosed as having reading disabilities. Fall, Spring. Credit, 3 semester hours.

SPECIAL EDUCATION (SED)

100. **Practicum: Emotionally Handicapped; Gifted and Talented; Learning Disabled; Mentally Retarded**
An introductory course combining theory and first-hand educative experiences with emotionally handicapped, gifted and talented, learning disabled, and mentally retarded (educable, trainable and severely retarded) children. Fall, Spring. Credit, 3 semester hours.
200. **Introduction to Exceptional Children**
Introduction to the principles, problems, and characteristics of children who are exceptional because of being gifted, blind, or partially sighted, deaf, mentally retarded, physically handicapped, or socially handicapped. Fall, Spring, Summer. Credit, 3 semester hours.
301. **Special Education Curriculum**
A study of the development of curriculum for exceptional children. Curriculum is treated categorically according to the specific needs of each area of exceptionability and the pre-service teacher's primary area of interest. Fall, Spring, and/or Summer. Credit, 3 semester hours.
310. **Introduction to the Study of Mental Retardation**
Study of mental retardation as an educational, psychological and social problem; includes characteristics, identification, prevalence, and educational provisions. Fall, Spring, Summer. Credit, 3 semester hours.
320. **Teaching the Severely Retarded**
Study of the severely and profoundly mentally retarded as an education, psychological and social problem; includes characteristics, identification, prevalence, and educational provisions. Fall, Spring, Summer. Credit, 3 semester hours.
330. **Teaching the Emotionally Handicapped**
Designed to teach skills in recognizing, understanding, and developing alternative strategies for remediating emotional handicaps and behavior disorders in the classroom and in the home. Fall, Spring, Summer. Credit, 3 semester hours.
40. **Learning Disabilities of Children**
Definition, description, and educational remediation of childhood learning disabilities. Fall, Spring, Summer. Credit, 3 semester hours.
50. **Teaching the Gifted**
Study of the needs and characteristics of gifted children, with emphasis on programs, materials and methods used in meeting the needs of gifted children. Fall, Spring, Summer. Credit, 3 semester hours.
60. **Teaching Culturally Different Children**
An applied study of the needs and characteristics of culturally different children. The topics of sexism and racism will also be studied. As announced. Credit, 3 semester hours.

361. **Teaching the Slow Learner**
Study of the performance characteristics of the slow-learning child and teaching techniques used in meeting his needs. Fall, Spring, Summer. Credit, 3 semester hours.
400. **Tests and Measurement in Special Education**
Theory and practice of classroom testing of exceptional children, including techniques for test construction with emphasis on student evaluation. Fall, Spring, Summer. Credit, 3 semester hours.
440. **Learning Disabilities of Children II**
Required for complete certification requirements in Learning Disabilities. Prerequisite: SED 340.
A review of the major theories of the causes and remediation of learning disabilities and the application of these theories to students in the classroom setting. Teachers will provide case histories and/or students who have specific learning problems for whom the class will attempt to develop remediation activities. As announced. Credit, 3 semester hours.
449. **Student Teaching in Special Education**
Provides continuous full-time teaching experience in an off-campus public school in special classes for exceptional children. The categorical assignment will be dependent upon the pre-service teacher's concentration. Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.
470. **Techniques, Materials and Resources in Special Education**
A study of the problems, methods, materials, and techniques used in teaching exceptional children whether classified categorically or non-categorically. Fall, Spring, Summer. Credit, 3 semester hours.
480. **Manual Communications I**
Students will learn to finger spell, to use manual communications, and to describe categories of hearing loss. Fall, Spring, Summer. Credit, 1 semester hour.
481. **Manual Communications II**
Prerequisite: SED 480.
Students will develop a large vocabulary and greater facility with manual communications. Fall, Spring, Summer. Credit, 1 semester hour.
482. **Manual Communications III**
Prerequisite: SED 481.
The student will continue to develop vocabulary and fluency. Video taping and other means of feedback will be used to enhance the skills of fluency, speed and accuracy. Fall, Spring, Summer. Credit, 1 semester hour.

EDUCATIONAL MEDIA (EDM)

- 258, 259; 358, 359; 458, 459. **Radio Broadcasting Laboratory**
Prerequisites: Permission of instructor; GPA 2.0; recommendation of Dean of Student Affairs and/or major advisor.
Designed to teach fundamentals of radio broadcasting. Station WPSU is used as the laboratory. Includes orientation to station policies, operation and maintenance of equipment, and radio broadcasting. Pass/Fail grading. As announced. Credit, 1 semester hour.

360. **Introduction to Graphic Arts**
Prerequisite: Permission of instructor.
Designed as an introduction to handset and offset printing. Covers the areas of basic press operations, mechanics of type, copy camera operations, darkroom techniques, and plate processing. Pass/Fail grading. As announced. Credit, 3 semester hours.
361. **Advanced Graphic Arts**
Prerequisites: EDM 360 and/or Permission of instructor.
A continuation of EDM 360. Pass/Fail grading. As announced. Credit, 3 semester hours.
460. **Audio-Visual Materials and Procedures**
Principles underlying the selection and use of multimedia materials for instructional purposes. Fall, Spring, Summer. Credit, 3 semester hours.
461. **Advanced Educational Media**
Modern communications technology and its place in instruction. Problems of utilization, evaluation of learning materials and research; television, motion pictures, teaching machines, programmed instruction and experimental innovations. Fall, Spring, Summer. Credit, 3 semester hours.
466. **Workshop in Educational Media for Teachers**
A workshop designed to acquaint in-service teachers with the role of educational media in the teaching-learning process and with the selection of utilization of major types of audio-visual materials. Summer. Credit, 3 semester hours.

A teacher affects eternity; he can
never tell where his influence stops.

—*Henry Brooks Adams*

Pembroke State University graduated
205 Education majors in the Spring of
1980. Our records indicated that 78% of
these are teaching or have employment
in related fields.

—*Chairman, Education Department*



GEOLOGY AND GEOGRAPHY*Chairman:* THOMAS E. ROSSLIZABETH H. KUO
ERALD BORLAND*

ROBERT L. KEBER

Professor Emeritus

The curriculum of the Department of Geology and Geography is designed to fulfill multiple needs of the student. Courses within the department can be used by the student to meet Basic Studies requirements and to enhance the liberal arts education of the student.

The department strives to offer courses designed to enable the student to acquire knowledge and appreciation of the dynamic environment in which mankind resides. Geography courses provide the scientific foundation for the investigation and understanding of the physical environment, of mankind as inhabitant of the earth, and of the interaction of environment and mankind. Courses in geology establish the foundation for scientific investigation of the earth as well as geologic education for the student.

The department does not offer a major in either geology or geography. It does however, offer two minors: (1) Geography, and (2) Planning and Community Development. The award of a minor requires formal approval of the department.

Geography courses are accepted under the Basic Studies Program Social and Behavioral courses. Geology courses are accepted under the Basic Studies Program as Natural Sciences and Mathematics. (See note above course descriptions.)

GEOGRAPHY MINOR

The purpose of the minor in geography is to establish a framework for the examination and understanding of the earth's natural and cultural phenomena and how the interaction of both affects mankind. Courses included in this minor are a component of broad liberal arts education and provide basic skills important to the education of persons wishing to secure employment in occupations such as natural resource development and utilization, environmental fields, and community and regional planning.

Requirements for a Minor in Geography

Course Number	Course Title	Semester Hour
GGY 101	Introduction to Geography	3
GGY 250	Cartography	3
	Electives from departmental geography courses	12
	Total	18

PLANNING AND COMMUNITY DEVELOPMENT MINOR

This is an interdisciplinary minor administered by the Department of Geology and Geography. The Planning and Community Development Minor provides the basic skills necessary for entrance into the planning field as a professional or into graduate school. The goal of the minor is to offer education in a professional field to complement the liberal arts education the student receives in the major course of study. In terms of focus, the minor concentrates on the planning problems of small cities and rural areas, thereby providing the student with a familiar laboratory and enhancing employment opportunities in the immediate area.

Requirements for a Minor in Planning and Community Development

Course Number	Course Title	Semester Hour
<i>Required Courses</i>		
GGY 160	Introduction to Planning	3
GGY 203	Planning Legislation	3
GGY 250	Cartography	3
GGY 316	Regional Planning Techniques	3
<i>Electives (Selected from following courses)</i>		
BIO 304	Principles of Ecology	4
BUS 308	Organizational Theory & Behavior	3
ECN 201	Principles of Economics I	3
ENC 330	Public Finance	3
GGY 150	Urban Geography	3
GGY 315	Industrial Location	3
GGY 362	Environmental Planning	3
GGY 401	Internship Geography and Planning	1-4
CSC 210	Introduction to Statistics	3
PLS 210	Introduction to Public Administration	3
PLS 302	Admin. of Municipal Govern. in the U.S.	3
PLS 319	Public Policy & Analysis	3
SOC 331	Population and Urbanization	3
	Total	21

COURSES

GEOLOGY (GLY)

Geology courses may be used to meet basic studies requirements under Natural Science and Mathematics area.

00. Introduction to Physical Geology
An introduction to physical geology. Rocks and minerals, geological processes such as erosion and the development of land forms, volcanic activity, earthquakes, and oceans. The lab is optional. Fall, Spring. Credit, 3 semester hours.
- 00L. Introduction to Physical Geology Lab
Prerequisite: Current enrollment in or completion of Geology 100.
A lab which complements study of rocks, minerals, and topographic maps. As announced. Credit, 1 semester hour.
01. Introduction to Earth History
A previous course in physical geology is helpful, but is not required. An introduction to the history of the earth from its formation up to the present time, geologic time, fossils, development and evolution of plants and animals. The lab is optional. Spring. Credit, 3 semester hours.
- 01L. Introduction to Earth History Lab
Prerequisite: Current enrollment in or completion of Geology 101.
A lab for the study of plant and animal fossils, environments of deposition, geologic maps. As announced. Credit, 1 semester hour.
05. Introduction to Earth Science (GGY 115)
An introduction to the processes that control the seasons, the atmosphere, the weather, the wind systems of the world, the oceans. Some of the basics of volcanic activity, earthquakes, formation of rocks and minerals, are included. The lab is optional. As announced. Credit, 3 semester hours.
- 05L. Introduction to Earth Science Lab (GGY 115L)
Prerequisite: Current enrollment in or completion of GLY 115.
A lab for the study of earth heating processes, time zones, topographic maps, and a few of the common rocks and minerals. As announced. Credit, 1 semester hour.
06. Introduction to Physical Oceanography
An elementary course in ocean circulation, the properties of ocean water, waves and tides, processes of erosion and deposition along shores. The relationship between ocean processes and how these processes affect mankind is emphasized. As announced. Credit, 3 semester hours.
06. Introduction to Astronomy
An introduction to the solar system and its members, earth rotation and revolution, time-keeping, moon motions, comets, and locations of stars. Fall, Spring. Credit, 3 semester hours.
02. Climatology (GGY 246)
The same course as Geography 246. Credit, 3 semester hours.

362. Environmental Planning (GGY 362)
The same course as GGY 362. Spring. Credit, 3 semester hours.
366. Geomorphology
Prerequisite: GLY 100
Advanced study of land forms, with emphasis on dynamic processes, fluvial solution, marine, glacial, eolian, and volcanic. Review of early and recent concepts and theories. Analysis and interpretation of local and regional land forms. As announced. Credit, 3 semester hours.

GEOGRAPHY (GGY)

Geography courses may be used to meet Basic Studies requirements under Social and Behavioral Sciences area.

101. Introduction to Geography
The earth—environment of mankind, tools and techniques of geography. Recommended as preparation for more advanced courses. Fall, Spring. Credit, 3 semester hours.
115. Introduction to Earth Science (GLY 115)
The same course as GLY 115. As announced. 3 semester hours.
- 115L. Introduction to Earth Sciences Laboratory (GLY 115L)
The same course as GLY 115L. As announced. 1 semester hour.
150. Soils and Land Use Planning
The course is designed to provide practical knowledge in the use of soil survey information and its application to land use planning. The first part of the course deals with the fundamentals of soil science, such as soil characteristics, soil formation, and classification. The second part explains the use of soil survey maps in urban and agricultural land use. Spring. Credit, 3 semester hours.
160. Introduction to Planning
An overview of planning theory, practice, and organizations structure. History of planning and planning thought. Emphasis on the relationship between planning and the society in which it occurs. Fall. Credit, 3 semester hours.
200. Cultural Geography
Concept of culture applied to the human environment. Geographical variations and evolution resulting from 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.
202. Introduction to Regional Geography
Survey of most countries and regions of the world. Relation of geographic factors to contemporary problems in world affairs. As announced. Credit, 3 semester hours.

203. **Planning Legislation**
Examination of the legal concepts and legislation in use to achieve the goals of planning policy; enabling legislation, growth management, housing, environmental controls, and community development legislation. As announced. Credit, 3 semester hours.
206. **Economic Geography (ECN 206)**
Location, development and distribution of major industries, agricultural products, and economic services. Fall, Spring. Credit, 3 semester hours.
246. **Climatology (GLY 246)**
Scientific analysis and classification of climate data. Climatic controls. Geographic areas and their major types of climate. Fall. Credit, 3 semester hours.
250. **Introduction to Cartography**
Concepts and skills of map and air-photo interpretation. Cartographic techniques and conventions for planning the use of terrain and resources. Spring. Credit, 3 semester hours.
315. **Industrial Location Geography**
Prerequisite: GGY 206 (ECN 206) or permission of instructor.
The course will examine manufacturing and commercial activities and facilities related to assembling raw materials and distribution of products. Spatial analysis of each of the principal types of manufacturing will be studied. Fall. Credit, 3 semester hours.
316. **Regional Planning Techniques**
Prerequisite: GGY 160 or permission of instructor.
Theories of regions and analysis of town and city planning, area planning, and regional planning will be discussed and evaluated. Examination will be made of interdependencies within and between regions. Spring. Credit, 3 semester hours.
60. **Urban Geography**
Spatial structures, forms and functions of urban settlements. Size and spacing of towns and cities. Arrangement of land uses. Central business districts. Poverty, blight and renewal. Ports, transportation, and hinterlands. As announced. Credit, 3 semester hours.
62. **Environmental Planning (GLY 362)**
Prerequisites: GLY 100 or GGY 150 or permission of instructor.
Study of the environmental factors considered in ecologically sensitive site design; soils topography, geologic substrata, and habitats. Political, economic, and social constraints on design will be reviewed. Spring. Credit, 3 semester hours.
72. **North America**
As announced. Credit, 3 semester hours.

401. Internship in Geography and Planning

Prerequisites: GGY 160, GGY 316 or permission of instructor.

Practical experience with a planning agency through an arranged internship. Supervision is provided by a designated official of the agency and by a member of the department faculty. As announced. Credit, 1-4 semester hours.

Pembroke State University students have the opportunity to minor in Planning and Community Development. Classroom activities of the minor are supplemented with off-campus experiences, such as conducting community development surveys, providing technical assistance to local communities, as well as an internship offering on-the-job experience, which often is a prerequisite for fulltime employment as a regional planner.

HEALTH, PHYSICAL EDUCATION AND RECREATION*Chairman:* RAYMOND B. PENNINGTON

ELLEN J. BRYAN

GLORIA CANONIZADO

EDWIN W. CRAIN

HAROLD T. ELLEN

LACY E. GANE

KENNETH P. JOHNSON*

BILLY LEE

BOB MCEVOY

ANDRE J. NADEAU

HAROLD M. OLSON

LINDA ROBINSON

MIKE SCHAEFFER

TOMMY M. THOMPSON

MAUDE ANN WEBB

* Professor Emeritus

The purposes of the Department of Health, Physical Education and Recreation are: (1) to provide a comprehensive academic program in health, physical education and recreation for students who plan to pursue one of these fields as a profession; (2) to provide professional preparation for prospective teachers in the area of physical education; (3) to provide a service program which will afford all students the opportunity to learn and participate in a wide range of activities which will benefit them now and in the future; (4) to provide competition for all interested students through a comprehensive program of intramural athletics in both team and individual sports; and (5) to provide recreational activities that will enable students and faculty to enjoy their leisure time in a program that will benefit them physically, mentally, and socially.

Requirements for a Bachelor of Science Degree in Health, Physical Education and Recreation

	Sem. Hrs.
Basic Studies (p. 53)*	45
Major Requirements: HED 214; 309; 311; 315; 414 or 418; PED 134 or 140; 138; 200; 230, 231, 232 (2 of 3); 316 or 319; 325; 336; 340; 341; 348; 349; 350, 351, 353, 354, 355, 360, 364, 366 (any 3); 415; 424; 428	53
Electives	22
Total	120

Students who plan a major in Health, Physical Education and Recreation should consult with the department chairman prior to registering for Basic Studies Courses.



Requirements for a Bachelor of Science Degree in Physical Education with Certification by the State for Teaching in the Public Schools

	Sem. Hrs.
Basic Studies (p. 53)* (6 hrs. History and 6 hrs. Literature required)	45
Major Requirements: HED 309; 311; 315; PED 134 or 140; 138; 200; 316 or 319; 325; 336; 340; 341; 349; 350; 351, 352, 353, 354, 355, 364, 366 (any 3); 415; 424	42
Professional Education Requirements: EDN 202; 227; 308; 400; 419; 437; 445; 448	25
Electives	8
Total	120

* Students who plan a major in Health, Physical Education and Recreation should consult with the department chairman prior to registering for Basic Studies Courses

Requirements for a Minor in Athletic Coaching

	Sem. Hrs.
Minor Requirements: PED 230, 231, 232 (2 of 3); 326; 348; 349; 350; 351, 352, 353, 354, 355, 364, 366 (4 of 8); 415; HED 315	24
Total	24

COURSES**HEALTH EDUCATION (HED)**

214. **Safety Education and First Aid**
Fundamental and practical application of administering the techniques of first aid and safety using the regular Red Cross First Aid course. Fall or Spring. Credit, 3 semester hours.
09. **Basic Hygiene**
Emphasis on personal hygiene and the student's obligation to serve society through the promotion of individual, family, and public health. Fall or Spring. Credit, 3 semester hours.
10. **Health Education Activities for Early Childhood**
To enhance the student's knowledge and abilities needed to teach health education to children in grades K-3 and to enable the prospective teacher to understand and cope with the health needs and differences of this age. Fall or Spring. Credit, 3 semester hours.
11. **Health Education Activities for the Intermediate Grades**
The principles, practices and procedures in health education for grades 4-9. Fall or Spring. Credit, 3 semester hours.
15. **Prevention and Care of Athletic Injuries**
Prerequisite: HED 309.
Emphasizes training in the prevention, diagnosis, and care of athletic injuries with practical application in strapping, bandaging, massage, and the use of special protective equipment in treatment. Fall or Spring. Credit, 3 semester hours.
4. **Adaptive Physical Education**
An analysis of activities especially designed and adapted for the exceptional individual. Spring. Credit, 3 semester hours.
8. **Health and Physical Education Activities for the Mentally Retarded**
Designed especially for teachers of the mentally retarded child. Practical application of health and physical education activities appropriate for varying age and grade levels. Fall or Spring. Credit, 3 semester hours.

PHYSICAL EDUCATION (PED)**200. Introduction to Physical Education***

An introduction to basic physical education concepts of fitness, weight training and conditioning, fundamental psychomotor skills, rhythmic skills, and stunts and tumbling skills. Fall or Spring. Credit, 3 semester hours.

230. The Theory and Techniques of Officiating Sports I

An intensive study of the rules and mechanics of officiating football, soccer and wrestling. Special emphasis will be placed on the rules published by the National Alliance. Fall. Credit, 1 semester hour.

231. The Theory and Techniques of Officiating Sports II

An intensive study of the rules and mechanics of officiating basketball, baseball, softball, track and field. Special emphasis will be placed on the rules published by the National Alliance. Spring. Credit, 1 semester hour.

232. The Theory and Techniques of Officiating Sports III

An intensive study of the rules and mechanics of officiating field hockey, tennis, and volleyball. Special emphasis will be placed on the rules published by the NAGWS. Fall. Credit, 1 semester hour.

316. Physical Education Activities for the Intermediate Grades

A study of the materials and methods of physical education in grades 4-9 with special reference to lesson and program planning and the study of rhythmic activities and low-organization and lead-up games suitable for this level. Fall or Spring. Credit, 3 semester hours.

319. Physical Education Activities for Early Childhood

A course that deals with physical development of children in grades K-3 as it relates to rhythmic activities, group play, and other physical activities appropriate to early childhood development. Fall or Spring. Credit, 3 semester hours.

325. Practicum in Physical Education

Practical experience in teaching physical education activities. Student is assigned to a member of the physical education faculty as an assistant. Fall or Spring. Credit, 1 semester hour.

326. Practicum in Athletic Coaching

Practical field experience in coaching athletic teams. Student is assigned to either a member of the University coaching staff or a junior or senior high school head coach as an assistant. Fall or Spring. Credit, 1 semester hour.

336. Foundations of Health and Physical Education

A study of the relationships and contributions of health and physical education to general education: historical and philosophical backgrounds, basic biological, physiological, and sociological foundations of the modern program. Fall or Spring. Credit, 3 semester hours.

* PED 200 is prerequisite for all 300-400 level courses for physical education majors

340. Skills and Applied Techniques in the Teaching of Swimming
Prerequisite: PED 134 or 140.
Methods, materials, techniques, and skills of teaching swimming. Fall or Spring. Credit, 1 semester hour.
341. Skills and Applied Techniques in the Teaching of Tumbling and Gymnastics
Methods, materials, techniques, and skills of teaching tumbling and gymnastics. Fall or Spring. Credit, 1 semester hour.
348. Anatomy and Kinesiology
Prerequisite: BIO 100 or 102.
An analytical study of the structure of the human body with special application to bodily movements in physical education and sports. Laboratory experiments relating to body performance will supplement the lectures as the instructor and students determine needs and interests. Fall. Credit, 4 semester hours.
49. Physiology
Prerequisite: BIO 100 or 102.
An analytical study of the physiological aspects of gross motor performance. Laboratory experiments and observations of the body as a functioning model in physical education and sports will supplement the lectures as the instructor and students determine needs and interests. Spring. Credit, 3 semester hours.
50. Coaching Football
A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Fall. Credit, 2 semester hours.
51. Coaching Basketball
A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Fall. Credit, 2 semester hours.
52. Coaching Track and Field
A study of fundamentals, individual techniques and team play, conditioning, maintaining facilities and staging meets. Spring. Credit, 2 semester hours.
53. Coaching Baseball and Softball
A study of offensive and defensive play; rules, strategies, problems of conditioning teams and maintaining facilities. Spring. Credit, 2 semester hours.
54. Coaching Wrestling
A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Spring. Credit, 2 semester hours.
55. Coaching Soccer
A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Fall. Credit, 2 semester hours.
54. Coaching Volleyball
A study of offensive and defensive play; rules, strategies, and conditioning. Fall. Credit, 2 semester hours.

366. **Coaching Tennis**
A study of fundamentals, individual techniques and team play, conditioning, maintaining facilities and conducting matches. Spring. Credit, 2 semester hours.
400. **Methods of Teaching Health and Physical Education**
Purposes, methods, materials, techniques and evaluation procedures in health and physical education for K-12. Directed observation in the public schools; preparation of teaching plans and materials. Fall or Spring. Credit, 3 semester hours.
415. **Organization and Administration of School Health, Physical Education, and Athletics**
A study of the organization and administration of school health, physical education, and athletics with particular reference to relationships with the general education program and the work of the health, physical education, and recreation specialist. Fall or Spring. Credit, 3 semester hours.
424. **Tests and Measurement in Physical Education**
An analysis of the methods of evaluation in physical education; statistical analysis and interpretation of data. Fall or Spring. Credit, 3 semester hours.
428. **Playground and Community Recreation**
A brief study and elementary presentation of the foundations of organized recreation; background and theories; objectives and principles; social and economic factors; administration of playground and recreation programs. Spring. Credit, 3 semester hours.

PHYSICAL EDUCATION SERVICE PROGRAM

Each service course meets two hours a week for one-half semester. Credit, 1 semester hour.

- | | |
|----------------------------|---------------------------------------|
| 131. Archery | 142. Social Dance |
| 132. Badminton | 144. Trampoline |
| 133. Beginning Golf | 145. Volleyball |
| 134. Beginning Swimming | 146. Weight Training |
| 135. Beginning Tennis | 149. Scuba Diving |
| 137. Bowling | 170. Softball |
| 138. Folk Dancing | 171. Intermediate Tennis |
| 139. Racquetball | 172. Advanced Lifesaving |
| 140. Intermediate Swimming | 173. Water Safety Instructor's Course |
| 141. Physical Conditioning | 174. Modern Dance |

VARSITY SPORTS

Varsity sports are open to the members of varsity teams only and with approval of the Head Coach. Credit, 1 semester hour.

Pembroke State University holds
1980-1981 Carolinas Conference
championships in basketball, track
and field, and wrestling.

- | | |
|-------------------------------|---------------------------------|
| 150. Varsity Baseball | 158. Varsity Westling (Men) |
| 151. Varsity Basketball (Men) | 159. Varsity Cheerleading |
| 152. Varsity Cross Country | 160. Varsity Basketball (Women) |
| 153. Varsity Golf | 161. Varsity Tennis (Women) |
| 154. Varsity Soccer | 162. Varsity Volleyball (Women) |
| 156. Varsity Tennis (Men) | 163. Varsity Softball (Women) |
| 157. Varsity Track and Field | |

NOTE: Each student enrolled in any type of activity class is required to have a gymnasium uniform.

All service courses and varsity sports will be graded on a Pass/Fail basis.



HISTORY

Chairman: JOHN CHAY

ROBERT W. BROWN
WILLIAM R. BULLARD
LOREN L. BUTLER, II
ADOLPH L. DIAL

DAVID K. ELIADES
PAUL K. FREIWIRTH
JEROME A. MCDUFFIE
*CLIFTON OXENDINE

* Professor Emeritus

History is a liberating discipline. Through the study of the political, social, and cultural aspects of modern society and the rise and development of major civilizations, an individual is able to expand his insights into the human experience and achievement. The study of history enables the individual to understand the major issues which confront mankind and makes possible a more reasoned and intelligent response to these problems.

The department offers preparation to individuals intent upon almost every career and profession. While the department offers a sound foundation for students who wish to teach history and other social studies, it also prepares students to continue with graduate or special work in history. Courses offered by the department likewise provide a background for students who wish to study law, enter government service or obtain a background for other professions.

History majors will be assigned an advisor whose responsibility is to help students plan their program. History majors must have the approval of their advisor to register for advanced history courses.

While the History Department does not require a foreign language, students planning graduate study in history should acquire a reading knowledge of one modern foreign language.

Requirements for a Bachelor of Arts Degree in History

	Sem. Hrs.
Basic Studies (p. 53)	45
Major Requirements	39
Basic History	(12)
Four courses from HST 126, 127, 201, 244, 265, and 280.	
Advanced History (300 and 400 level courses)	(27)

Option 1

Two courses each from the American and European areas; one course from the Latin American, Canadian, and non-Western area: HST 451 (Senior Seminar); one colloquium; and two electives.

Option 2

Approval of contract
HST 451 (Senior Seminar); two colloquia and six approved electives.

Electives

		36
Total		120

Requirements for a Bachelor of Arts in History: Secondary Social Studies Education

The Department of History offers a program leading to certification by the North Carolina State Department of Public Instruction to teach social studies on the secondary level. This program differs substantially from the program for a Bachelor of Arts in History without certification. Certification candidates must not only satisfy the Basic Studies requirements of the University and the history requirements established by the Department; they must also satisfy a social studies requirement, a literature requirement, the competency requirements laid down by the State Board of Education, and the professional education requirements needed for certification. Additionally, students seeking admission to this program must meet the criteria listed on pages 000-000 for admission to the teacher education program. Accordingly, the Bachelor of Arts in History: Secondary Social Studies Education requires more preparation than the Bachelor of Arts in History without certification. Except for courses listed as professional credits for teacher certification, the additional courses required in the Secondary Social Studies Education program, when overlap or duplication occurs, may also satisfy the Basic Studies requirements of the University.

Basic Studies Requirements (p. 53)	Sem. Hrs. 45
Certification candidates are required to take six semester hours in either American Literature (choose from CMA 220, 222, or 223), or English Literature (choose from CMA 217 or 218), or World Literature (choose from CMA 205, 206).	
History Requirements	30*

Six semester hours of History can be counted under Basic Studies.

HST 127, 201, 244, 265, 280, and 317	
Six semester hours selected from HST 321, 323, 337, 344, 351, 382, 383, 394, and 419	
Six semester hours selected for HST 305, 306, 308, 310, 311, 313, 319, 360, 403, 408, 410, 413.	
Social Studies	27
ECN 201 or 206	
GGY 101 or 200	
PLS 100 or 101	
SOC 101 or 201	
SOC 202 or 455	
SSE 300, 360 and 361	
Six additional semester hours in one of the following fields: economics, geography, political science, or sociology. Courses listed as directed research, field work, independent study, and internship cannot be used to satisfy this requirement.	
Professional Education	25
EDN 202, 227, 308, 419, 437, 445, and 448	
SSE 400	
	Total
	121

Minor in History

- 18 unduplicated hours (6 courses) including
 6 hours selected from HST 126, 127, 201, 244, 265 and 280
 12 hours in advanced history courses (300 or 400 level courses).

COURSES (HST)

HISTORY

INTRODUCTORY COURSES

126. Introduction to Early European Civilization
 A survey of early European civilizations from their pre-Greek origins to the Renaissance. Fall, Spring. Credit, 3 semester hours.
127. Introduction to Modern European Civilization
 An introductory survey of major trends in European social, economic, cultural, and political history from the Renaissance to the present. Fall, Spring. Credit, 3 semester hours.
201. Introduction to American Civilization
 A general survey of the cultural, political, social, and economic development of the United States from its colonial origins to the present. Fall, Spring. Credit, 3 semester hours.
210. History of the American Indian (AIS 210)
 A survey of the major Indian cultures of North America with emphasis on those located in the eastern half of the United States. Spring. Credit, 3 semester hours.

244. Introduction to Asian Civilizations

A general survey of the history, institutions, and cultures of east and southeast Asia, the Middle East, and the Indian subcontinent from ancient times to the present. Fall, Spring. Credit, 3 semester hours.

265. Introduction to African Civilizations

A general survey of the cultural, political, social, and economic development of the African continent from antiquity to the present. Fall, Spring. Credit, 3 semester hours.

280. Introduction to Latin American Civilization

An introduction to the civilization that developed in Latin America following European exploration and conquest, with emphasis on the cultural and economic contributions of Americans, Africans, and Europeans. Fall, Spring. Credit, 3 semester hours.

U.S. HISTORY**305. United States History: The Colonial Period, 1607-1763**

Prerequisite: HST 201 or permission of instructor.

A study of the American colonial experience to the end of the French and Indian war. Fall. Credit, 3 semester hours.

306. United States History: The Revolutionary and Early National Period, 1763-1800

Prerequisite: HST 201 or permission of instructor.

An in-depth examination of the American Revolution, the establishment of a central government, and the impact of party politics. Spring. Credit, 3 semester hours.

308. United States History: The Jefferson-Jackson Era, 1800-1844

Prerequisite: HST 201 or permission of instructor.

A study of the major political, economic, social, and cultural developments from the presidency of Jefferson to the emergence of the Whigs. Fall. Credit, 3 semester hours.

310. United States History: Sectionalism, Civil War, and Reconstruction, 1844-1877

Prerequisite: HST 201 or permission of instructor.

A thematic and topical study of American history from 1844 to 1877 with an emphasis on sectionalism, the Civil War, and Reconstruction. Spring. Credit, 3 semester hours.

311. United States History: The Gilded Age and Progressivism, 1877-1914

Prerequisite: HST 201 or permission of instructor.

A thematic and topical study of American history from 1877 to 1914 with an emphasis on protest politics and American imperialism. Fall. Credit, 3 semester hours.

313. United States History: Twentieth-Century America, 1914-Present
Prerequisite: HST 201 or permission of instructor.
An analysis of problems growing out of social, economic, and political conditions since 1914. Spring. Credit, 3 semester hours.
317. History of North Carolina
Prerequisite: HST 201 or permission of instructor.
A study of selected phases of the development of North Carolina from its colonial beginnings to the present. Fall, Spring. Credit, 3 semester hours.
319. History of the American Indian in North Carolina
Prerequisite: HST 201 or permission of instructor.
An examination of selected topics concerning the most significant Indian cultures and tribes in North Carolina, with emphasis on the Cherokee, Catawba, Tuscarora, and Lumbee peoples. Spring. Credit, 3 semester hours.
360. Afro-American History
Prerequisite: HST 201 or permission of instructor.
A treatment of the black people in American history from their African origins to the present. Fall. Credit, 3 semester hours.
378. The American West: Myth and Reality (CMA 378)
Prerequisite: HST 201 or permission of instructor.
An inter-disciplinary study of the American West through films, literature, and history. Although the course will emphasize the events of the period from 1850 to 1890, it will also attempt to show the influence of the West as a concept down to the present. Spring. Credit, 3 semester hours.
403. History of the South
Prerequisite: HST 201 or permission of instructor.
A political, economic, and cultural study of the South and its effort to sustain a significant role in the union. Fall, Spring. Credit, 3 semester hours.
406. U. S. Military History
Prerequisite: HST 201 or permission of instructor.
A survey of American military policies and operations from 1776 to the present with emphasis on World War II, the Cold War, Korea, and Viet Nam. Fall or Spring. Credit, 3 semester hours.
408. Economic History of the United States (ECN 341)
Prerequisite: HST 201 or permission of instructor.
A thematic study of the economy of the United States from colonization through the administration of President Jimmy Carter. Spring. Credit, 3 semester hours.
410. U. S. Social and Intellectual History
Prerequisite: HST 401 or permission of instructor.
The daily life, institutions, intellectual, and artistic achievements of the American people from 1607 to the present. Fall or Spring. Credit, 3 semester hours.

413. History of U. S. Foreign Policy (PLS 413)

Prerequisite: HST 201 or permission of instructor.

A study of the major trends, issues, and problems in U. S. foreign policy. Fall, Spring. Credit, 3 semester hours.

EUROPEAN HISTORY

321. Ancient History

Prerequisite: Permission of instructor.

A survey of ancient history from the beginnings of civilization to A.D. 500. Fall. Credit, 3 semester hours.

323. The Formation of Western Culture, A.D. 500-1500

Prerequisite: Permission of instructor.

A survey of the development of western cultures from the fall of Rome to the Renaissance. Fall. Credit, 3 semester hours.

324. Byzantine and Islamic History

Prerequisite: Permission of instructor.

A survey of the history of the Mediterranean world from A.D. 284 to A.D. 1453. Spring. Credit, 3 semester hours.

327. Early Modern Europe, 1500-1789

Prerequisite: HST 127 or permission of instructor.

A survey of European history from the Renaissance to the French Revolution. Fall. Credit, 3 semester hours.

329. Revolution, Liberalism, and Nationalism in Europe, 1789-1914

Prerequisite: HST 127 or permission of instructor.

A survey of European civilization from the French Revolution to the outbreak of the first World War. Spring. Credit, 3 semester hours.

332. Twentieth Century Europe

Prerequisite: HST 127 or permission of instructor.

A study of conflict and cooperation in an era of global war, with emphasis on the interaction of democracy, communism, fascism, and imperialism. Spring. Credit, 3 semester hours.

335. European Diplomatic History, 1871-1949

Prerequisite: HST 127 or permission of instructor.

A study of European diplomatic history from the Franco-German War to the creation of NATO. Spring. Credit, 3 semester hours.

337. Modern European Economic and Social History

Prerequisite: HST 127 or permission of instructor.

A survey of the European economy and social classes from the birth of capitalism to the present. Fall, Spring. Credit, 3 semester hours.

416. English History to 1688

Prerequisite: HST 127 or permission of instructor.

A study of English history from the Celts to the Revolution of 1688, with special emphasis on the development of the English constitution. Fall. Credit, 3 semester hours.

417. **English History since 1688**
Prerequisite: HST 127 or permission of instructor.
A study of English history since the Revolution of 1688, with special emphasis on industrialization and the growth of representative government. Spring. Credit, 3 semester hours.
418. **Imperial Russia**
Prerequisite: HST 127 or permission of instructor.
A study of the origins of the Russian state, the development of the Moscow tsardom and empire, and the decline of imperial Russia in the 19th century. Fall. Credit, 3 semester hours.
419. **History of the Soviet Union**
Prerequisite: HST 127 or permission of instructor.
A study of the Russian Revolution and the development of the Soviet Union from Lenin to the present. Alternate Spring. Credit, 3 semester hours.
420. **History of the German Nation**
Prerequisite: HST 127 or permission of instructor.
A study of the development of the German nation from the earliest times to the present. Fall. Credit, 3 semester hours.
427. **European Intellectual History since 1400**
Prerequisite: HST 127 or permission of instructor.
A study of the main currents of European thought, with special emphasis on the Renaissance, Reformation, Enlightenment, Liberalism, and Socialism. Fall, Spring. Credit, 3 semester hours.

LATIN AMERICAN, CANADIAN, AND NON-WESTERN HISTORY

344. **Modernization Process in East Asia**
Prerequisite: HST 244 or permission of instructor.
Study of the problems and process of modernization in the three East Asian countries: China, Japan, and Korea. Fall, Spring. Credit, 3 semester hours.
345. **The United States and the Far East (PLS 345)**
Prerequisite: HST 244 or permission of instructor.
A study of the major factors and the processes concerning American involvement in the Far East from the beginning of the Republic to the present; to include the nature of the international system in the Far East and changing American interest and policies in the region. Fall or Spring. Credit, 3 semester hours.
351. **History of the Modern Middle East**
Prerequisite: HST 244 or permission of instructor.
A study of the major trends and issues in the Middle East in the modern world. Fall, Spring. Credit, 3 semester hours.
382. **South America since Independence**
Prerequisite: HST 280 or permission of instructor.
A study of South America from Independence to the present. Spring. Credit, 3 semester hours.

83. Mexico and the Caribbean since Independence
Prerequisite: HST 280 or permission of instructor.
A survey of the republics of Mexico, Central America, and the Caribbean Islands. Fall. Credit, 3 semester hours.
84. History of Latin American Political Institutions (PLS 384)
Prerequisite: HST 280 or permission of instructor.
An examination of political institutions and types of government in selected Latin American countries since Independence. Fall, Spring. Credit, 3 semester hours.
94. History of Canada
Prerequisite: Permission of instructor.
A study of Canada from the early explorations and settlements to the present, with special emphasis on the French and British in Canada, the advance of self-government to Confederation, and the relations of Canada with the United States and the British Commonwealth. Fall, Spring. Credit, 3 semester hours.
31. The United States and Latin America (PLS 431)
Prerequisite: HST 280 or permission of instructor.
A study of the special relationship between the American republics in the 19th and 20th centuries, the development of Pan-Americanism and the Organization of American States. Fall, Spring. Credit, 3 semester hours.

COLLOQUIA AND SEMINARS

2. Colloquium: Selected Topics in American History
Prerequisite: Permission of instructor.
An investigation into selected topics in American history through reading significant books, discussions, and supplementary reports. The focus of the course will be determined by the specialization of the instructor. Fall, Spring. Credit, 1-3 semester hours.
6. Colloquium: Selected Topics in European History
Prerequisite: Permission of instructor.
An investigation into selected topics in European history through reading significant books, discussions, and supplementary reports. The focus of the course will be determined by the specialization of the instructor. Fall, Spring. Credit, 1-3 semester hours.
41. Senior Seminar
Prerequisite: 2.0 G.P.A. in history courses taken, and completion of 15 hours of advanced history courses.
A study of special problems in a selected area of history with emphasis on historiography, methods, research, and writing skills. Fall, Spring. Credit, 3 semester hours.

GENERAL AND SPECIAL COURSES

33. History and Development of Christian Thought (REL 338)
Prerequisite: Permission of instructor.
A study of selected men, movements, and ideas that have contributed to the development of Christianity after Paul to the 20th century. Fall. Credit, 3 semester hours.

399. Directed Reading in History

Prerequisite: Permission of instructor.

Completion of all lower division history requirements and six hours of advanced history. Directed reading under the guidance of instructor. Fall, Spring, Summer. Credit, 1-3 semester hours.

425. World Revolutions

Prerequisite: Permission of instructor.

An examination of the causes, course, and consequences of the major revolution from 1789 to the present. Fall. Credit, 3 semester hours.

455. Historical Sites Study

Prerequisite: Permission of instructor.

A conducted tour of selected historical sites with an emphasis on a particular period or geographical area of history. Cannot be used to satisfy requirements for history major. Summer. Credit, 2-6 semester hours.

480. Workshop in Selected Non-Western Cultures

A workshop designed to assist in-service teachers and advanced students expanding their conceptual understanding of selected non-Western cultures. Instruction will center on providing insight into the customs, traditions, values, and beliefs found within selected non-Western societies by examining the past history of those societies. Summer. Credit, 1-6 semester hours.

481. Workshop in Selected Western Cultures

A workshop designed to assist in-service social studies teachers and advanced students in expanding their conceptual understanding of selected Western cultures. Instruction will center on (1) the structure and functions of the social, political, and economic institutions in selected Western societies; (2) the development of unique characteristics of past and present selected Western societies; and (3) issues and problems which have persisted throughout history. Summer. Credit, 1-6 semester hours.

485. Workshop in Minority History

A workshop designed to assist advanced students and in-service teachers expanding their conceptual understanding of cultural pluralism as it exists in the United States. Instruction will center on the roles played by various racial and ethnic minorities in the growth of the United States. Special emphasis will be given to the American Indian and the Black American. Summer. Credit, 1-6 semester hours.

499. Independent Study in History

Prerequisite: Permission of the Department.

Directed reading and research under the guidance of the instructor in a specific area or problem in history. Scheduled only for senior history majors with the approval of the Chairman of the Department. Fall, Spring. Credit, 1-6 semester hours.

SOCIAL STUDIES EDUCATION (SSE)

The courses in Social Studies Education are designed to help prospective teachers to develop the competencies needed in the classroom. These courses should be taken only after the student has

given careful consideration to career objectives. The Social Studies Education courses are not history courses, and they cannot be used to meet history requirements.

00. Introduction to Teaching Social Studies in the Secondary School

Required of history majors seeking certification.

Prerequisites: EDN 227 and 15 semester hours in history with 2.5 average.

Designed to provide: (a) an overview of social studies in the secondary school, including past and present trends and (b) early experiences for prospective teachers. These experiences include school and community involvements, a planned program of observational and participatory experiences in various school activities. Fall, Spring. Credit, 2 semester hours.

60. Social Studies for the Secondary Teacher I

Required of history majors seeking certification.

Prerequisites: Fifteen semester hours in social studies or permission of the instructor, and SSE 300.

Designed to familiarize students seeking certification in the secondary social studies with the boundaries, objectives, source materials, and methods of anthropology, economics, and geography. Fall, Spring. Credit, 2 semester hours.

61. Social Studies for the Secondary Teacher II

Required of history majors seeking certification.

Prerequisite: SSE 360.

Designed to familiarize students seeking certification in the secondary social studies with the boundaries, objectives, source materials, and methods of history, political science, and sociology. Fall, Spring. Credit, 2 semester hours.

00. Methods of Teaching Social Studies in the Secondary School

Required of history majors seeking certification.

Prerequisites: SSE 300, 360, 361, and 30 hours in history with a 2.5 quality point average.

Materials and basic teaching strategies employed in teaching social studies in grades seven through twelve. Fall, Spring. Credit, 3 semester hours.

Pembroke State University History
majors have a history of civilized learning
and cultural exploration.

—a student

MATHEMATICS AND COMPUTER SCIENCE

Chairman: CHARLES D. BASS

CLAUDE BERRY, JR.
JOSEPH W. GOLDSTON
JAMES A. JACOBS*
JAMES R. KRABILL

H. RHODES PEELE, JR.
STEVE PA
GILBERT L. SAMPSO
MARY D. WILSO

* Professor Emeritus

Mathematics may be regarded as the study of general relationships which transcend, yet are based in the world of sensory perception. This study encompasses two directions: from sense experience to general relationship, commonly called pure mathematics, and from general relationship to sense experience, commonly called applied mathematics. The Department offers a substantial selection of introductory and advanced courses in pure mathematics, applied mathematics, and computer science. Students will be provided with meaningful exposure to the liberal art of mathematics which has been a part of man's intellectual training for almost three thousand years.

A mathematics major may choose among three options: a track in mathematics, a track in computer science, and a track in mathematics with certification to teach mathematics at the secondary level. The requirements of each option are listed below.

In addition to the major the Department offers minors in mathematics and computer science. Requirements of these are listed below. The mathematics department also cooperates with the education department in offering a mathematics concentration for elementary (4-9) education majors.

Students can fulfill the Basic Studies requirement in mathematics by taking one or two mathematics courses numbered up to 222, Computer Science 200, or Computer Science 201. Computer Science 10 does not count toward Basic Studies.

Requirements for a Bachelor of Science Degree in Mathematics: Track in Mathematics

Basic Studies (p. 53)*	Sem. Hrs. 45
Major Requirements MAT 107 and 108, or MAT 109, or equivalent courses in secondary school; also MAT 220, 221, 222, 315, 316, 325, 431, and nine additional semester hours of advanced mathematics	33-39
Electives	36-42
Total	<hr/> 120

Requirements for a Bachelor of Science Degree in Mathematics with Certification by the State to Teach Mathematics at the Secondary Level

Basic Studies (p. 53)*	Sem. Hrs. 45
Major Requirements MAT 107 and 108, or MAT 109, or equivalent courses in secondary school; also MAT 220, 221, 222, 315, 316, 325, 411, 431, and six additional semester hours of advanced mathematics	33-39
Professional Education Requirements EDN 202, 227, 308, 400, 419, 437, 445, 448	25
Electives	11-17
Total	<hr/> 120

Requirements for a Bachelor of Science Degree in Mathematics: Track in Computer Science

Basic Studies (p. 53)*	Sem. Hrs. 45
Major Requirements MAT 107 and 108, or MAT 109, or equivalent courses in secondary school; also MAT 221, 222, 315, 316; and three semester hours selected from MAT 317, 325, 328, 329.	
CSC 100**; CSC 200 or 201; also CSC 250, 270, 350, 420, 450; CSC 210 or MAT 330; and three semester hours selected from CSC 370, 400, 410, or MAT 327	45-52
Electives	23-30
Total	<hr/> 120

* Students who plan a major in mathematics should consult with the Department
hairman prior to registering for Basic Studies courses.

Requirements for a Minor in Mathematics

	Sem. Hrs.
MAT 221, 222, 315, 316; and three additional hours selected from advanced mathematics courses (300 or above) or CSC 250.	18

Requirements for a Minor in Computer Science

	Sem. Hrs.
CSC 100**; CSC 200 or 201; CSC 250, 270; CSC 350 or 370; and six additional hours selected from CSC 210, 350, 370, 400, 410.	18-21

** CSC 100 may be waived at the discretion of the Director of the Program based on the work or academic experience of the student.

COURSES**GENERAL (MAT)****101-102. Mathematics for Elementary School Teachers**

Prerequisite: MAT 101 is required for MAT 102.

A basic general concept course dealing with the topics in mathematics taught in the elementary schools such as sets, operations on sets, bases, modular arithmetic, and the development of the real number system. MAT 101 is required for K-3, 4-9, reading education, and special education majors. MAT 102 is required for 4-9 majors. MAT 101 offered Fall, Spring and Summer; MAT 102 offered Spring and Summer. Credit, 3 semester hours each.

105. Introduction to College Mathematics

Fundamental principles of mathematics. Elementary set theory, systems of numeration and elementary mathematical logic. Fall, Spring, Summer. Credit, 3 semester hours.

107. College Algebra

A study of the real numbers, algebraic expressions and sets. First and second order equations and first order inequalities and their graphs. Functions, exponents and logarithms. Fall, Spring, Summer. Credit, 3 semester hours.

108. Plane Trigonometry

Prerequisite: MAT 107.

Angular measure, solution of right triangles, trigonometric function values of any angle, fundamental trigonometric relations, graphs of the trigonometric functions, solution of oblique triangles, logarithmic solution of triangles. Fall, Spring. Credit, 3 semester hours.

109. College Algebra and Trigonometry

Real and complex numbers, sets, inequalities, functions and their graphs; polynomials, rational functions, and algebraic functions; exponential, logarithmic, and trigonometric functions. Analytic geometry. Fall. Credit, 3 semester hours.

118. Finite Mathematics

Prerequisite: MAT 107 or equivalent.

Set theory, symbolic logic, permutations and combinations, probability, conditional probability, matrices and systems of equations. Some applications to

stochastic processes. Markov chains, linear programming, statistics. Fall, Spring, Summer. Credit, 3 semester hours.

210. Introduction to Statistics (CSC 210)

Recommended prerequisite: MAT 107.

Elementary statistical analysis using a computer-based statistics package and data. Measures of central tendency and variability; properties of the binomial, normal, and Poisson distributions; hypothesis testing and sampling; and regression analysis. A required one hour per week laboratory. Fall. Credit, 4 semester hours.

ANALYSIS (MAT)

221. Calculus I

Prerequisite: MAT 108 or MAT 109 or equivalent.

Study of functions of one variable, topics from analytic geometry, limits and continuity; differentiation of algebraic functions; curve sketching; various applications chosen from physics, economics, and optimization. Fall, Spring. Credit, 4 semester hours.

222. Calculus II

Prerequisite: MAT 221.

A study of integrals, the definite integral, the fundamental theorem of the calculus, applications of the definite integral. The derivative and integral of exponential, logarithmic, trigonometric and inverse trigonometric functions; and techniques of integration. Fall, Spring, Summer. Credit, 4 semester hours.

316. Intermediate Calculus

Prerequisite: MAT 222.

Selected topics from Calculus I and II from an advanced viewpoint. L'Hospital's rule, improper integrals, Taylor's theorem, infinite series. Multivariable calculus: limits, continuity, partial derivatives, extrema, iterated integrals, and applications. Fall, Spring. Credit, 4 semester hours.

322. Differential Equations

Prerequisite: MAT 315.

An introduction to ordinary differential equations including classification of solutions to differential equations, existence and uniqueness of solutions, power series methods, initial value problems, and applications. Spring. Credit, 3 semester hours.

331. Advanced Calculus I

Prerequisite: MAT 316.

An introduction to modern mathematical analysis with careful attention to topics of elementary and intermediate calculus of one or more variables. Topics include convergence of sequences and series, mean value theorems, the Cauchy criterion, integrability. Fall. Credit, 3 semester hours.

332. Advanced Calculus II

Prerequisite: MAT 431.

A continuation of Advanced Calculus I including such topics as the total derivative of multivariable functions, transformations of \mathbb{R}^n , representations of functions by series and integrals, and uniform convergence. Spring. Credit, 3 semester hours.

442. Real Analysis

Prerequisite: MAT 431.

Real number system: open and closed sets, covering properties, Borel sets
 Measurable sets and measurable functions. Lebesgue measure and integra-
 tion, L_p spaces. As announced. Credit, 3 semester hours.

444. Complex Analysis

Prerequisite: MAT 315.

The complex numbers, analytic functions, conformal mappings, contour in-
 tegration, Cauchy's theorem and integral formula. Taylor and Laurent expan-
 sions, residues, analytic continuation. Liouville's theorem. As announced
 Credit, 3 semester hours.

ALGEBRA AND NUMBER THEORY (MAT)

315. Linear Algebra I

Prerequisite: MAT 222.

An introduction to the theory of vector spaces, linear transformations
 systems of linear equations, matrices, inverses, rank, determinants, inne-
 products. Applications of matrices to problems involving systems of equa-
 tions. Fall, Spring. Credit, 3 semester hours.

317. Linear Algebra II

Prerequisite: MAT 315.

Eigenvalues and eigenvectors, similarity of matrices, reduction of matrices to
 diagonal form. Cayley-Hamilton theorem, minimum polynomial, Jordan
 canonical form. Hermitian, unitary, and normal matrices, orthonormal basis
 Gram-Schmidt process. Simplification of quadratic forms and other applica-
 tions. As announced. Credit, 3 semester hours.

325. Algebra I

Prerequisite: MAT 315.

Introduction to groups, integral domains, rings and fields, with further stud-
 of subgroups, cyclic groups, groups of permutations, isomorphisms and
 homomorphisms of groups, direct products, and factor groups. Spring. Credit
 3 semester hours.

326. Algebra II

Prerequisite: MAT 325.

Further topics in group theory; rings, integral domains fields, ideals, quotient
 rings, homomorphisms direct sums, polynomial rings, extension fields. Fal
 Credit, 3 semester hours.

415. Theory of Numbers

Prerequisite: MAT 222.

An introduction to the properties of integers, prime and composite numbers
 Fermat's Theorem, arithmetic functions, quadratic residues, diophantine
 equations, continued fractions and congruences. As announced. Credit,
 semester hours.

APPLIED MATHEMATICS (MAT)**327. Numerical Analysis**

Prerequisites: MAT 315, 316; CSC 200 or 250.

An introduction to the solution of mathematical problems by computational techniques, including both finite and iterative methods and error analysis. Fall. Credit, 3 semester hours.

328. Probability and Statistics I

Prerequisite: MAT 222.

Probability, sample spaces, counting techniques, random variables, discrete and continuous distribution functions, characteristic functions. Binomial, Poisson and normal distributions. Central limit theorems. Fall. Credit, 3 semester hours.

329. Applied Mathematics

Prerequisite: MAT 315.

Introduction to mathematical modeling. Techniques and properties of discrete and continuous models. Case studies. Spring. Credit, 3 semester hours.

330. Probability and Statistics II

Prerequisites: MAT 316, 328.

An introduction to common theoretical distributions central limit theorems, two dimensional random variables, sampling distributions, estimation, confidence intervals, hypothesis testing, regression theory and applications. Spring. Credit, 3 semester hours.

OTHER PURE MATHEMATICS (MAT)**420. Point Set Theory**

Prerequisite: MAT 107 or MAT 109 or equivalent.

Introduction to set theory, elementary concepts of the topology of the real line and the plane, elementary logic, and techniques of proof. Mathematics majors should take this course concurrently with Calculus I or Calculus II. Fall, Spring. Credit, 3 semester hours.

411. College Geometry

Prerequisite or corequisite: MAT 315.

A study of the development of Euclidean geometry from the metric and synthetic approach and an introduction to non-Euclidean geometry. Fall. Credit, 3 semester hours.

446. Topology

Prerequisite: MAT 431.

Elements of point set topology, separation properties, compactness, connectedness, functions, Tietze extension theorem, fundamental group, and covering spaces. As announced. Credit, 3 semester hours.

499. Independent Study

Offered for mathematics majors on approval of the Department Chairman. Credit, 1-3 semester hours.

MATHEMATICS EDUCATION (MAT)

- 400. Methods of Teaching Mathematics in Secondary School**
Purposes, methods, materials, and evaluation procedures in teaching mathematics. Directed observation in public school mathematics classes. Preparation of teaching plans and materials. Accelerated. Spring. Credit, 3 semester hours.

COMPUTER SCIENCE (CSC)

- 100. Introduction to Computer Science**
Overview of the computer, local computing environment, and use of "canned" programs. History of data processing and computers. Introduction to computer systems. Introduction to computer programming using the BASIC language. Does not count for Basic Studies. Fall, Spring. Credit, 3 semester hours.
- 200. Introduction to Computer Programming—FORTRAN**
Prerequisites: CSC 100, MAT 107 or permission of instructor.
A first course in programming. Introductory concepts of structured programming and algorithmic analysis with emphasis on scientific applications. Details of structured FORTRAN. Fall. Credit, 3 semester hours.
- 201. Introduction to Computer Programming—COBOL**
Prerequisite: CSC 100 or permission of instructor.
A first course in programming. Introductory concepts of structured programming and algorithmic analysis with emphasis on data processing applications. Details of the COBOL language. Spring. Credit, 3 semester hours.
- 210. Introduction to Statistics (MAT 210)**
Recommended prerequisite: MAT 107.
Elementary statistical analysis using a computer-based statistics package and data. Measures of central tendency and variability; properties of the binomial normal and Poisson distributions; hypothesis testing and sampling; and regression analysis. A required one hour per week laboratory. Fall. Credit, 4 semester hours.
- 250. Computer Programming and Algorithms**
Prerequisite: CSC 200 or 201.
A second programming course using advanced structured programming techniques with emphasis on readable and well-designed programs and algorithms. Comparative uses of some high level languages. Fall. Credit, 3 semester hours.
- 270. Introduction to File Processing.**
Prerequisite: CSC 250.
Introduction to the hardware and software concepts necessary for file processing. Topics include input/output, sequential and random access, data structures, operating systems, and assembly language. Applications to data processing. Spring. Credit, 3 semester hours.

350. **Software Engineering I**
Prerequisite: Permission of instructor and CSC 270.
A project and team oriented approach to computer programming. Techniques used in large programming projects. Application to a "real-life" project under supervision. Fall. Credit, 3 semester hours.
370. **Introduction to Systems Analysis.**
Prerequisite: CSC 270. Recommended: CSC 210.
Introduction to the theory of design for computer-based systems. Skills and techniques of systems analysis. Emphasis on data processing and business applications. Spring. Credit, 3 semester hours.
400. **Software Engineering II**
Prerequisites: CSC 350, 370 and permission of instructor.
Applications of systems design in a "real-life" project. Under supervision, students will conduct a term project with full responsibility for design, management and completion of a practical software package. A required written and oral report. Fall. Credit, 3 semester hours.
410. **Software Design Project**
Prerequisites: CSC 350 or 370, and permission of instructor.
Systems design and developmental responsibility by the student under independent status. An oral and written report required for completion. As announced. Credit, 1 to 3 semester hours.
420. **Introduction to Computer Organization**
Prerequisites: CSC 270, MAT 315.
Introduction to the logical and physical organization of computer systems. Topics include logical design, data representation and coding, machine and assembly language, and computer architecture. Spring. Credit, 3 semester hours.
450. **Introduction to Data Structures**
Prerequisites: CSC 270, MAT 315, 316.
Introduction to various data structures used in computer science. Topics include trees, queues, lists and graphs. Design and analysis of algorithms pertaining to these structures with application to data base management. Spring. Credit, 3 semester hours.
99. **Independent Study**
Open to seniors in Computer Science with a quality point average of 3.0 in the major and with approval of the Director of the Computer Science Program. Required written and oral reports. As announced. Credit, 1-3 semester hours.

MUSIC

Chairman: ROBERT L. ROMINE

WILLIAM F. FRITZ
DORIS B. JOHNSON*
JONATHAN MAISONPIERRE
LYNNE MICHELETTI

ELMA L. RAMSON
HAROLD C. SLAGLE
GEORGE R. WALTER

* Professor Emeritus

The purposes of the Department of Music are three-fold: to provide comprehensive training for teachers of vocal and instrumental music in the public schools; to provide experiences which the music student and the general University student will find rewarding in developing their cultural sensitivity; and to provide public programs and concerts to enrich the culture life of the University and the community.

The department offers programs leading to the Bachelor of Science degrees in Music Education with certification and the Bachelor of Arts degree in Music. The Music Education program offers an emphasis in Vocal, Keyboard, or Instrumental Music.

Requirements for a Bachelor of Arts in Music

	Sem. Hrs
Basic Studies Requirements* (p. 53)	45
Major Requirements:	
MUS 113, 114, 115, 159, 160, 100 or 141, 101 or 142, 193, 214, 215, 259, 260, 200 or 241, 201 or 242, 329, 332, 337, 338, 359, 360, 300 or 341, 301 or 342, 430, 432, 459, 460, 401 or 441, and 404.	63
Electives	12
Total	120

* Students who plan a major in music or music education should consult with the Department Chairman prior to registering for Basic Studies courses.

Requirements for a Bachelor of Science Degree in Music Education with Vocal Emphasis and with Certification by the State to Teach Music in the Public Schools

	Sem. Hrs.
Basic Studies Requirements (p. 53)*	45
Major Requirements:	
MUS 113, 114, 115, 191 or 159, 181 or 159, 100, 160, 182 or 160, 101, 193, 214, 215, 205, 259, 260, 281 or 259, 282 or 260, 200, 201, 271, 171, 172, 359, 360, 329, 337, 338, 405, 300, 301, 430, 334, 401, 404, and 459.	49
Professional Education Requirements:	
EDN 202, 227, 308, 419, 437, 445, 448; and MUS 400	25
Electives	1
Total	<u>120</u>

Requirements for a Bachelor of Science Degree in Music Education with an Instrumental Emphasis and with Certification by the State to Teach Music in the Public Schools

	Sem. Hrs.
Basic Studies Requirements (p. 53)*	45
Major Requirements:	
MUS 113, 114, 115, 191, 181, 182, 141, 142, 159, 160, 193, 214, 215, 205, 281 or 259, 282 or 260, 241, 242, 171, 172, 271, 259, 260, 359, 360, 329, 334, 337, 338, 341, 342, 404, 420, 459, 430.	50
Professional Education Requirements:	
EDN 202, 227, 308, 419, 437, 445, 448; and MUS 400	25
Electives	0
Total	<u>120</u>

Requirements for a Bachelor of Science Degree in Music Education with Keyboard Emphasis and with Certification by the State to Teach Music in the Public Schools

	Sem. Hrs.
Basic Studies Requirements (p. 53)*	45
Major Requirements:	
MUS 113, 114, 115, 191, 159 (20 or 21), 100, 160 (20 or 21), 101, 193, 214, 215, 205, 259 (20 or 21), 260 (20 or 21), 200, 201, 271, 171, 172, 359 (20 or 21), 360 (20 or 21), 337, 338, 329, 405, 335, 336, 334, 430, 435, 404, 425, 459 (20 or 21).	50
Professional Education Requirements:	
EDN 202, 227, 308, 419, 437, 445, 448; and MUS 400	25
Electives	0
Total	<u>120</u>

Students who plan a major in music or music education should consult with the Department Chairman prior to registering for Basic Studies courses.

MINOR IN MUSIC

The Minor in Music is designed to provide opportunities for a student to develop an understanding and appreciation of music as part of a liberal arts education.

Students who plan a Minor in Music should consult with the Department Chairman in order to acquire a music advisor in addition to their major advisor.

Required Courses

MUS 113	Fundamentals of Music Theory	3 hrs.
MUS 181-182	Class Piano I & II	2 hrs.
MUS 230	Introduction to Music Appreciation	3 hrs.
MUS 100-201 or MUS 141-241	Concert Choir or University Band	3 hrs.

Electives

[A minimum of seven hours to be chosen under the supervision of a Music Department advisor from courses with a music (MUS) prefix.]

MINOR IN SACRED MUSIC

Designed for those students who would find it beneficial, both financially and aesthetically, in their future careers. The student will develop skills that will enable him to work successfully in the area of sacred music.

The minor in sacred music requires a minimum of 18 semester hours:

Required Courses

MUS 100-201	Concert Choir	4 hrs.
MUS 329	Conducting	3 hrs.
MUS 390	Church Music	3 hrs.

Electives

[A minimum of 8 semester hours to be chosen under the supervision of a Music Department advisor from the following:]

MUS 159-260 (Sect. 01)	Private Voice
MUS 159-260 (Sect. 03)	Private Organ
MUS 159-160 (Sect. 02)	Private Piano
MUS 191	Class Voice
MUS 230	Introduction to Music Appreciation
MUS 337-338	History of Music I & II
MUS 490	Service Plays

MINOR IN JAZZ STUDIES

A program of study designed to equip music majors to perform and teach music in the jazz idiom.

Required Courses

MUS 235	A Study in Jazz	3 hrs.
MUS 236-237	Improvisation I & II	4 hrs.
MUS 346	Jazz Composition	2 hrs.
MUS 406	Jazz Pedagogy	3 hrs.
MUS 162-363	University Jazz Ensemble	
	or	
MUS 156-357	University Jazz Choir	6 hrs.
	Total	18 hrs.

COURSES (MUS)**THEORY AND GENERAL MUSIC****3. Fundamentals of Music Theory**

A comprehensive study of notation, key structure, chord construction, ear training, terminology, and aesthetic principles. Fall. Credit, 3 semester hours. (Students who are excused from MUS 113 by advanced placement must select electives from the theory-composition area upon completion of prerequisites.)

4. Theory I

Prerequisite: MUS 113 or equivalent as determined by instructor.

A study of the basic elements of harmonic analysis emphasizing chord structure, functions, and relationships. Melodic and part-writing skills will be developed. Course includes a related survey of music history and form. Spring. Credit, 3 semester hours.

5. Theory II

Prerequisite: MUS 114.

A continuation of MUS 114. Fall. Credit, 3 semester hours.

6. Blue Grass Music

Restriction: Does not meet Basic Studies requirement.

A study of developing American folk music indigenous to the South together with the development of folk instruments, styles and forms. Fall 1982 and Alternate Fall. Credit, 3 semester hours.

7. Introduction to Ear Training

Prerequisite: MUS 113

A beginning course in ear training techniques dealing with dictation from tapes, and the use of other electronic media to improve listening skills. Spring. Credit, 1 semester hour.

214. Theory III

Prerequisite: MUS 115.

A study of advanced music theory using harmonic techniques of the late nineteenth and early twentieth centuries. Compositional skills will be developed. Course includes a related survey of music history and form. Spring. Credit, 3 semester hours.

215. Theory IV

Prerequisite: MUS 214.

A continuation of MUS 214 emphasizing later twentieth century techniques. Fall. Credit, 3 semester hours.

222. Afro-American Music

A survey of the development of Black Music in America from its African heritage to the present. Spring 1982 and Alternate Spring. Credit, 3 semester hours.

230. Introduction to Music Appreciation

Restriction: Not open to music majors.

The development of knowledge and understanding of music. Emphasis given to the forms of music found in different periods and the relationship of music to general cultural development. Fall, Spring. Credit, 3 semester hours.

235. A Study in Jazz

Open to music and non-music majors. An introduction to jazz through a study of its origins, development, styles, and major innovative figures. Fall. Credit, 3 semester hours.

236. Improvisation I

Prerequisite: MUS 115 or permission of instructor.

A course in the development of improvisational skills through the study and application of theoretical and stylistic principles common to the jazz idiom. Spring. Credit, 2 semester hours.

237. Improvisation II

Prerequisite: MUS 236.

A continuation of MUS 236. Spring. Credit, 2 semester hours.

302. Piano Literature

A survey of keyboard music from the Baroque period and continuing through the twentieth century. Fall 1981 and Alternate Fall. Credit, 2 semester hours.

329. Conducting

A laboratory course which includes the study of choral and instrumental conducting techniques, choral and instrumental scores; with supervised conducting experience. Fall. Credit, 3 semester hours.

332. Form and Analysis

Prerequisite: MUS 215.

A study of various forms including large and small choral and instrumental works. Spring. Credit, 2 semester hours.

334. **Orchestration and Arranging**
Prerequisite: MUS 215.
A practical study of the fundamentals of scoring for individual instruments and ensembles. Spring. Credit, 2 semester hours.
337. **History of Music I**
A study of the development of music in Western Civilization beginning with the music of Ancient Greece and continuing through the Baroque era. Fall. Credit, 3 semester hours.
338. **History of Music II**
A study of the development of music in Western Civilization beginning with the music of the Classical period and continuing through the twentieth century. Spring. Credit, 3 semester hours.
346. **Jazz Composition**
Prerequisite: MUS 115 or equivalent as determined by instructor.
A study of basic compositional techniques as applied to the jazz idiom. Original compositions will be written and orchestrated for various-sized jazz ensembles. Spring 1982 and Alternate Spring. Credit, 2 semester hours.
390. **Church Music**
Materials and methods in the direction of church choirs which include a study of the role of the music director in the church. Spring. Credit, 3 semester hours.
404. **Senior Recital**
Offered to senior music majors participating in a half or full public recital. Credit is given by permission of the instructor and Department Chairman. Fall, Spring. Credit, 0-2 semester hours.
406. **Jazz Pedagogy**
Prerequisite: MUS 235.
A study of the administration, methods, and directing techniques pertinent to the teaching of Jazz and Commercial Music. Spring 1981 and Alternate Spring. Credit, 3 semester hours.
425. **Piano Pedagogy**
A course designed primarily for the keyboard specialist who is planning to teach piano. The course includes methods of teaching, appropriate materials, and advanced techniques for all grade levels. Spring. Credit, 2 semester hours.
426. **Practicum in Piano Teaching**
Prerequisite: MUS 425 or permission of the instructor.
Beginning piano lessons offered to area public school students at a nominal fee, and taught by upper level college students. The course provides teaching experiences under the supervision of college instructors. Fall, Spring. Credit, 1-4 semester hours.
30. **Music Literature**
Prerequisites: MUS 337, 338.
A study of music literature for large and small performing groups of all periods from a stylistic and developmental viewpoint. Fall. Credit, 3 semester hours.

432. Counterpoint

Prerequisite: MUS 215.

A study primarily of eighteenth-century contrapuntal techniques with written work in two and three part writing. Fall. Credit, 2 semester hours.

445. Music Composition I

Prerequisite: MUS 215 or permission of instructor.

A course designed to implement the student's study of theory. Original compositions will be written for instrumental and choral ensembles in the important musical forms utilizing homophonic and polyphonic techniques. Fall. Credit, 2 semester hours.

490. Service Playing

Prerequisite: MUS 259 or the equivalent.

A study of the musical liturgy of the Catholic, Jewish, and Protestant services. Students should be free for Sunday morning church visitations. Spring. Credit, 1 semester hour.

499. Independent Study in Music

Prerequisites: Music major, senior standing, and approval of Department Chairman.

Directed study and research in the student's major field of interest. Fall, Spring. Credit, 1-3 semester hours.



APPLIED MUSIC

Private study is offered in piano, organ, voice and instruments of the band and orchestra. In each of these fields the work will be adapted to the needs of the individual student. Courses in applied music are required of all music majors, and may be elected with permission of the instructor by students not majoring in music.

1. Applied music lessons require a minimum of five practice hours weekly.
2. Freshman, sophomore and junior music majors must participate in student music recitals. Senior music majors must be in preparation for their senior recital. Jury examinations may be waived by successful performing in recital for that semester.

159, 160; 259, 260; 359, 360; 459, 460. Applied Music (Courses must follow in sequence).

Private lessons are designed to build technical proficiency, repertoire, and awareness of vocal and instrumental problems. Fall, Spring. One half-hour lesson and one fifty-minute seminar bi-weekly. Credit, 1 semester hour. Two half-hour lessons and one fifty-minute seminar bi-weekly. Credit, 2 semester hours.

1 hour each semester

01. Private Voice
02. Private Piano
03. Private Organ
04. Private Flute
05. Private Oboe
06. Private Clarinet
07. Private Bassoon
08. Private Saxophone
09. Private Trumpet
10. Private French Horn
11. Private Trombone
12. Private Baritone Horn
13. Private Tuba
14. Private Percussion
15. Private Violin
16. Private Viola
17. Private Violoncello
18. Private Bass Viol

2 hours each semester

19. Private Voice
20. Private Piano
21. Private Organ
22. Private Flute
23. Private Oboe
24. Private Clarinet
25. Private Bassoon
26. Private Saxophone
27. Private Trumpet
28. Private French Horn
29. Private Trombone
30. Private Baritone Horn
31. Private Tuba
32. Private Percussion
33. Private Violin
34. Private Viola
35. Private Violoncello
36. Private Bass Viol

Non-keyboard music education majors will fulfill their course requirements in piano by enrolling in MUS 181, 182, 281, and 282 (Class Piano I-IV).

Inasmuch as a proficiency examination is not given to students prior to enrollment at Pembroke State University, each student must display a technical proficiency at the end of MUS 260 (Applied Music). This examination will consist of performing before the music faculty on the student's major instrument and displaying a standard of quality equal to University sophomore standing.

Proficiency examinations are also required by the Piano Division at the end of the sophomore year of study. This examination is a test of the student's ability to play, transpose, chord, and sight-read simple songs.

Students must pass these proficiency tests before proceeding to junior-level applied music courses.

All music majors are required to attend all recitals, concerts, and Lyceum Series Programs which pertain to music.

Graduating seniors must present an individual or joint recital as a partial requirement for graduation. Approval of recital must be given by the music faculty at least three weeks prior to presentation. Students who complete their applied music studies should continue to take lessons for no credit until they have completed their senior recital requirements.

103. Beginning Guitar

Restriction: Does not meet Basic Studies requirement; graded on a Pass/Fail basis.

Prerequisite: Student must supply own instrument.

Guitar instruction in basic notation, chords, and melodies. Spring 1982 and Alternate Spring. Credit, 1 semester hour.

133. Class Piano I for the Non-Music Major

Beginning piano instruction for the non-music major. Emphasis on music reading, basic chords, and piano technique. Fall. Credit, 1 semester hour.

134. Class Piano II for the Non-Music Major

Prerequisite: MUS 133.

A continuation of beginning piano instruction for the non-music major. Emphasis on music reading, basic chords, and piano technique. This course will be a prerequisite for non-music major enrollment in MUS 159 (Section 02 or 20)—Private Piano subject to approval by the instructor. Spring. Credit, 1 semester hour.

171. Class Woodwind

A concentrated study in fundamentals and playing techniques for Flute, Oboe, Clarinet, Saxophone, and Bassoon. Spring. Credit, 1 semester hour.

172. Class Brass

A concentrated study in fundamentals and playing techniques for Trumpet, Cornet, French Horn, Trombone, Baritone Horn, and Tuba. Fall. Credit, 1 semester hour.

181. Class Piano I

A concentrated group study of keyboard harmony and playing techniques, music major. Fall. Credit, 1 semester hour.

182. Class Piano II

Prerequisite: MUS 181.

A continuation of MUS 181 (Class Piano I). Spring. Credit, 1 semester hour.

191. **Class Voice**
A concentrated group study of singing techniques and vocal development including sightsinging. Fall. Credit, 1 semester hour.
205. **Class Strings**
A concentrated study of fundamentals and playing techniques of the orchestral stringed instruments. Fall. Credit, 1 semester hour.
271. **Class Percussion**
A concentrated study in fundamentals and playing techniques of percussion instruments. Fall. Credit, 1 semester hour.
281. **Class Piano III**
Prerequisite: MUS 182.
A continuation of the non-keyboard major's pianistic development with emphasis on the practical aspects of reading, harmonization, and transposition. Fall. Credit, 1 semester hour.
282. **Class Piano IV**
Prerequisite: MUS 281.
A continuation of MUS 281 (Class Piano III). Spring. Credit, 1 semester hour.

Performing Organizations

- 300, 101; 200, 201; 300, 301; 401, 402. **Concert Choir**
The Concert Choir is open to all men and women regardless of planned major with permission of the director. The Choir appears in public concerts throughout the year. Fall, Spring. Credit, 1 semester hour each.
- 307, 108; 207, 208; 307, 308; 407, 408. **University Pep Band**
The University Pep Band is open to all men and women regardless of planned major with permission of the director. Public performances will be made at athletic events and whenever support of scheduled University activities is needed. Fall, Spring. Credit, 1 semester hour each.
- 310, 111; 210, 211; 310, 311; 410, 411. **Men's Glee Club**
The Men's Glee Club is open to all men regardless of planned major with permission of the director. Public appearances are made throughout the year. Fall, Spring. Credit, 1 semester hour each.
- 311, 142; 241, 242; 341, 342; 441, 442. **University Band**
The University Band is open to all men and women regardless of planned major with permission of the director. Public appearances are made in both parades and concerts. Fall, Spring. Credit, 1 semester hour each.
- 313, 157; 256, 257; 356, 357; 456, 457. **University Jazz Choir**
Membership in the University Jazz Choir is open to all students by audition. A study of vocal music trends through the rehearsals and performance of pop, rock, progressive jazz, and other modern forms of music. Fall, Spring. Credit, 1 semester hour each.

162, 163; 262, 263; 362, 363; 462, 463. University Jazz Ensemble
 Membership in the University Jazz Ensemble is open to all students by audition. A study of technical, stylistic and aesthetic elements of jazz literature through rehearsals and public performance. Fall, Spring. Credit, 1 semester hour each.

335, 336; 435. Accompanying
 Prerequisites: MUS 159-160 (02 or 20; 03 or 21) Private Piano/Organ and instructor's approval.
 A course designed to acquaint the keyboard major with the art and technique of accompanying vocal and instrumental solo and ensemble literature. Fall, Spring. Credit, 1 semester hour each.

MUSIC EDUCATION

209. Basic Music for the Elementary Teacher
 Restriction: Not open to music majors.
 A course for elementary education majors in the fundamentals of music. Fall, Spring. Credit, 3 semester hours.
224. Musical Experiences for Young Children
 Restriction: Not open to music majors.
 Prerequisite: MUS 209 or by advanced placement.
 A course designed to present methods and media of teaching classroom music K-3. Fall, Spring. Credit, 3 semester hours.
299. Music in the Classroom, Grades 4-9
 Restriction: Not open to music majors.
 A course designed to present various methods and media of teaching classroom music, grades 4-9. It is assumed that students enrolling in this course have a knowledge of the fundamentals of music. Fall, Spring. Credit, 3 semester hours.
400. Music Education in the Secondary School
 A study of organization and procedures in general music classes and vocal performing groups in senior high school. Fall, Spring. Credit, 3 semester hours.
405. Music Education Grades K-9
 A study of organization and procedures used in general music classes for the elementary and junior high schools. Fall. Credit, 3 semester hours.
420. Public School Instrumental Music
 A study of materials and methods used in building instrumental programs beginning in the elementary school and continuing through high school. Fall, Spring. Credit, 3 semester hours.

PHILOSOPHY AND RELIGION*Chairman:* ROBERT K. GUSTAFSON

G. LEA HARPER, JR.

MAURICE STANLEY

. RUTH MARTIN

P. ALBERT STUDDARD

Philosophy and religion have long been considered integral parts of the Liberal Arts Program. The courses presented here are planned to give the inquiring student an introduction to these broadening disciplines, the means whereby the significance of various disciplines can be interpreted, and a way of viewing, understanding and resolving some of the conflicts and issues in modern culture. These courses prepare the student to take an active part in his community activities and in planning for graduate study.

A combined major in philosophy and religion of thirty-six hours is offered. There are two alternate concentrations. A minor of eighteen hours is also offered.

Students interested in majoring in philosophy and religion should discuss their interests with a faculty member in the Department. In order to help fulfill the aims of the individual student, courses are to be selected in conference with the student's departmental advisor.

Any 100 and 200 level course in the Department of Philosophy and Religion may be used to meet a Basic Studies requirement in the Humanities area.

Requirements for a Bachelor of Arts Degree in Philosophy and Religion

Basic Studies Requirements (p. 53)

Sem. Hrs.

45

A major in philosophy and religion requires 36 credit hours taken in the department, of which 18 hours must be taken from the philosophy and religion core.

A. The Student is offered a choice of a concentration in either:

1. Philosophy or
2. Religion

Hours in the areas of concentration can range from 24-30 in the area of the primary emphasis, and from 6-12 hours in the secondary emphasis. The number of credit hours must total 36.

36

Consultation with your advisor will help determine the proper ratio.

Examples:

<i>Philosophy Emphasis</i>			
Philosophy	24	27	30
Religion	<u>12</u>	<u>9</u>	<u>6</u>
	36	36	36
<i>Religion Emphasis</i>			
Religion	24	27	30
Philosophy	<u>12</u>	<u>9</u>	<u>6</u>
	36	36	36

B. Philosophy and Religion core

Religion Emphasis

Required Philosophy

General

- | | |
|-------------------|---------|
| 1. Philosophy 100 | 3 hours |
| 2. Philosophy* | 3 hours |

Total 6 hours

Required Religion

General

- | | |
|-----------------|---------|
| 1. Religion 130 | 3 hours |
|-----------------|---------|

Biblical

- | | |
|---|---------|
| 2. Religion 113 or 114
or 105 or 106 | 3 hours |
|---|---------|

Comparative

- | | |
|-----------------------------------|---------|
| 3. Religion 216,
or 218 or 315 | 3 hours |
|-----------------------------------|---------|

Religious Thought

- | | |
|---------------------------|---------|
| 4. Religion 209 or
319 | 3 hours |
|---------------------------|---------|

Total 12 hours

Total 18 hours

Philosophy Emphasis

Required Religion

General

- | | |
|-----------------|---------|
| 1. Religion 130 | 3 hours |
| 2. Religion* | 3 hours |

Total 6 hours

Required Philosophy

General

- | | |
|-------------------|---------|
| 1. Philosophy 100 | 3 hours |
| 2. Philosophy 101 | 3 hours |

Philosophy & Culture

- | | |
|-----------------------------|---------|
| 3. Philosophy 204 or
205 | 3 hours |
|-----------------------------|---------|

History of Philosophy

- | | |
|------------------------------------|---------|
| 4. Philosophy 308 or
309 or 400 | 3 hours |
|------------------------------------|---------|

Total 12 hours

Total 18 hours

Electives

	39
Total	<u>120</u>

* With advisor select a 100 or 200 level course.

CERTIFICATION IN BIBLE

Teacher certification in Bible is obtainable. See the Chairman of the Department.

MINORS IN PHILOSOPHY AND RELIGION 18 Semester Hours

The Department of Philosophy and Religion offers minors for students in other majors. Students majoring in Philosophy and Religion may also pursue a minor in the department under certain circumstances. There are a number of courses in the department which may be used in developing a minor. Students are encouraged to consult with a member of the department in planning a minor. Some of the possibilities would be in Biblical Studies, Non-Western Religions, Ethics, Church History and Religious Thought, and Philosophy.

Minor Areas and Required Courses in the Minor

The minor requires 18 semester hours. There are a large number of elective hours possible in each minor. Minors must be approved by the Department.

- | | |
|----------------------------|---|
| 1. Philosophy Minor | Philosophy 100, Introduction to Philosophy, required, plus 15 elective hours. |
| 2. Religion Minor | Religion 130, Introduction to Religion, required, plus 15 elective hours. |
| 3. Philosophy and Religion | Philosophy 100 and Religion 130 required, plus 12 elective hours. |

COURSES**PHILOSOPHY (PHI)****GENERAL**

00. Introduction to Philosophy
A survey of the major issues and philosophers in the history of western philosophy. Fall, Spring. Credit, 3 semester hours.
26. Perspectives on Man (REL 326)
Prerequisite: PHI 100 or REL 130.
A study of the dominant understandings of man. Philosophical, religious, scientific, and literary sources are read and discussed. Fall, Spring. Credit, 3 semester hours.

HISTORY

11. American Philosophy
Prerequisite: PHI 100 or consent of instructor.
A study of the major figures in American philosophy, including Peirce, Royce, James, and Dewey. Alternate Spring. Credit, 3 semester hours.

308. **The Great Philosophers: Ancient and Medieval**
Prerequisite: PHI 100 or consent of instructor.
Studies in Plato, Aristotle, Augustine, and Aquinas. Alternate Fall. Credit, 3 semester hours.
309. **The Great Philosophers: Modern and Contemporary**
Prerequisite: PHI 100 or consent of instructor.
Studies in Descartes, Locke, Kant, Hegel, Nietzsche, and Wittgenstein. Alternate Spring. Credit, 3 semester hours.
400. **Contemporary Analytic Philosophy**
Prerequisite: PHI 100 or consent of instructor.
A study of logical positivism, ordinary language philosophy, conceptual and categorial analysis. Alternate Fall. Credit, 3 semester hours.

LOGIC

101. **Introduction to Logic**
The methods and principles of correct thinking. Emphasis on informal logic, the syllogism, and the fallacies. Informal debates on contemporary issues. Fall, Spring. Credit, 3 semester hours.
201. **Methods of Formal Logic**
Prerequisite: PHI 101 or consent of instructor.
A study of modern symbolic logic. Emphasis on deductive proofs, quantification theory. Analysis of contemporary issues. Alternate Spring. Credit, 2 semester hours.

PHILOSOPHY AND CULTURE

202. **Philosophy of Religion (REL 202)**
An inquiry into the philosophical foundations of religion, the problems connected with belief and knowledge, faith and reason, the character and meanings of religious commitment. Alternate Spring. Credit, 3 semester hours.
204. **Introduction to Ethics**
A study of the criteria by which moral decisions are made and their application to selected contemporary ethical issues. Spring. Credit, 3 semester hours.
205. **Social and Political Philosophy**
Studies of opposing philosophical views about man and the foundations of political and social life. Alternate Fall. Credit, 3 semester hours.
206. **Value Clarification**
An examination of the processes of value clarification (how people come to hold certain values and to establish certain types of behavior patterns) and an analysis of several value assumptions prevalent in contemporary society. Students will have opportunities to engage in practical experiences designed to develop strategies in value clarification. Alternate Fall. Credit, 3 semester hours.

321. Philosophy of Science

Prerequisite: PHI 100 or consent of instructor.

A study of the problems and human implications of the mathematical, physical, biological, and social sciences leading to philosophical synthesis of the relation of the sciences to man's life. Alternate Spring. Credit, 3 semester hours.

322. Religion and Science (REL 322)

Prerequisite: PHI 100 or consent of instructor.

An examination of issues between science and religion and a consideration of a tradition in natural theology used to validate religious claims. Alternate Fall. Credit, 3 semester hours.

23. Philosophy of Art and Beauty

A study of aesthetic values in nature, art, literature, music, and drama. Alternate Spring. Credit, 3 semester hours.

76. Medical Ethics (SOC 376)

An examination of the major ethical issues raised by recent medical developments, such as: abortion, psychosurgery, organ transplants, euthanasia, human experimentation and the right to health care. Alternate Fall. Credit, 3 semester hours.

77. Philosophy of Law

Prerequisite: PHI 100 or consent of instructor.

An examination of major ethical and philosophical issues concerning law and justice arising out of contemporary legal process, seeking an answer to the question of the rights of the individual vis-a-vis the state. Alternate Spring. Credit, 3 semester hours.



METAPHYSICS AND EPISTEMOLOGY

311. Theories of Knowledge and Reality

Prerequisite: PHI 100, or consent of instructor.

A study of the major attempts to answer the fundamental questions about the self, the nature of reality, God, perception, and belief. Alternate Fall. Credit, 3 semester hours.

SPECIAL STUDIES IN PHILOSOPHY

409. Philosophy and Society Practicum

Prerequisite: Major.

An opportunity to observe the work of community agencies and institutions in order to discover, examine and analyze their basic philosophical assumptions. Courts of law, hospitals and prisons would be examples of such institutions. Fall, Spring. Credit, 1-3 semester hours.

420. Seminar in Philosophy

Prerequisite: Junior or consent of instructor.

An examination of selected philosophers, movements, problems, or major ideas to be presented each term the course is presented. The objectives of the course may be met by directed research. The course may be repeated for credit up to and including 9 semester hours as long as there is no duplication of subject matter. Fall, Spring. Credit, 1-3 semester hours.

499. Independent Study in Philosophy

A student who wishes to enroll in 499, Independent Study, must: 1. be classified as a senior, 2. have a cumulative grade point average of 3.0 or better in his major area of study, 3. request independent study in his major area, and 4. submit a Request for Approval of Independent Study in triplicate to the Office for Academic Affairs. The form can be obtained from the department head responsible for the student's major area of study. It must be approved by: 1. the professor supervising the student in independent study, 2. the Department Head, 3. the Dean of Admissions and Registration, and 4. the Office for Academic Affairs. The student may elect to work for one, two or three semester hours of credit. Upon completion of the independent study, the student must prepare a typewritten report of the study in triplicate. If the supervising professor feels it is appropriate, the report will be catalogued and permanently housed in the Library. Fall, Spring, Summer. Credit, 1-3 semester hours.

RELIGION (REL)**GENERAL**

130. Introduction to Religion

This course seeks to define what religion is and to outline different approaches to the study of religion. The following questions are discussed: What are the roots of religious faith? What might a mature religious faith look like? Readings relating religion to the new generation are part of this study. Fall, Spring. Credit, 3 semester hours.

326. Perspectives on Man (PHI 326)

Prerequisite: PHI 100 or REL 130.

A study of the dominant understandings of man. Philosophical, religious, scientific, and literary sources are read and discussed. Fall or Spring. Credit, 3 semester hours.

BIBLICAL**105. Survey of the Old Testament**

A study of the Covenants in Israel, of the rise and fall of the Hebrew nations under the judges and kings, of the religious development of the people as written in the literature of these periods. Fall. Credit, 3 semester hours.

106. Survey of the New Testament

A study of the origins and development of Christianity from Jesus Christ through the first century with emphasis on the writings of that age in correlation with the history of the Roman Empire. Spring. Credit, 3 semester hours.

113. Life of Christ

A study of the life and teachings of Christ as they are presented in the four gospels with emphasis upon world conditions in His day and the significance of His death and resurrection. Fall. Credit, 3 semester hours.

114. Life and Letters of Paul

A study of the life and world of Paul with special consideration of his preparation and mission, his style and subject matter. Spring. Credit, 3 semester hours.

201. Backgrounds of the Bible

An introductory study of the development of the Bible. Attention given to the manuscripts and translations of the Bible, the geographic factors which influenced Biblical times, and the language arts of the Biblical periods. Alternate Fall. Credit, 3 semester hours.

227. Biblical Archaeology

A study of Old and New Testament world as based on the findings of archaeology. Emphasis upon modes of daily living and on location of ancient cities and urban areas. Alternate Spring. Credit, 3 semester hours.

313. Literature of Man's Origins

A study of man's early religious literature found in the Bible and other sources. Alternate Spring. Credit, 3 semester hours.

317. Biblical Poetry

A study of poetic literature found in the Old Testament, the Apocrypha, and the New Testament. Alternate Fall. Credit, 3 semester hours.

318. Apocalyptic Literature

A study of apocalyptic literature of the Old and New Testaments with emphasis on the historical, religious and psychological backgrounds. Alternate Spring. Credit, 3 semester hours.

337. Prophetic Literature of the Bible

Prerequisite: REL 130 or 211 or consent of instructor.

A review of the call, purpose and work of the prophet. A study of the writings of Amos, Hosea, Jeremiah, Isaiah, etc. Alternate Fall. Credit, 3 semester hours.

400. Ancient Near East Texts

Prerequisite: REL 211 or 212, or consent of instructor.

A study of the ancient manuscripts from Egypt, Babylon, Greece, and Rome. A survey of such materials as legal codes, calendars, rituals, hymns, wisdom literature, and letters from contemporary Biblical materials. Alternate Spring. Credit, 3 semester hours.

RELIGIOUS THOUGHT AND CULTURAL EXPRESSION

202. Philosophy of Religion (PHI 202)

An inquiry into the philosophical foundations of religion, the problems connected with belief and knowledge, faith and reason, the character and meanings of religious commitment. Alternate Spring. Credit, 3 semester hours.

209. Religion in America

A study of distinctive themes and characteristics of religion in America. Topics such as Civil Religion, Religious Liberty and the Free Church, Revivalism, American Religious Movements, Missions, Black Religion, Indian traditions, and American religion in ferment will be considered. Fall. Credit, 3 semester hours.

214. Introduction to Religious Ethics

This course investigates how questions about morality can be approached within the Judeo-Christian tradition. The Old and New Testament teachings about ethics are examined along with the perspectives of Christian ethicists. Several ways of developing a basic framework for ethical decision-making are considered. Alternate Fall. Credit, 3 semester hours.

305. The Religious Dimensions of Modern Literature

Prerequisite: REL 130.

A study of the spiritual, moral, and psychological dimensions of selections from modern American and European literature. Works to be considered will be chosen from such writers as the following: Albert Camus, Herman Hesse, Kurt Vonnegut, Ken Kesey, C. S. Lewis, and Graham Greene. Fall. Credit, 3 semester hours.

310. Sects, Cults, and Religious Movements in America (SOC 310)

A study of the origins, growth, beliefs and practices of sects, cults, and religious movements in America. Fall. Credit, 3 semester hours.

319. Modern Religious Thought

Prerequisite: REL 130 or consent of instructor.

A study of selected trends and figures in modern religious thought. Alternate Fall or Spring. Credit, 3 semester hours.

322. Religion and Science (PHI 322)

Prerequisite: PHI 100 or consent of instructor.

An examination of issues between science and religion and a consideration of a tradition in natural theology used to validate religious claims. Alternate Fall. Credit, 3 semester hours.

324. Religious Ethics and Social Living

Prerequisite: REL 214 or consent of instructor.

An in-depth examination of ethical issues involved in contemporary social life (in business, education, law, medicine, military service) and of possible religious responses. The role of faith in decision-making about social issues will be analyzed. Films and guest speakers will provide material for discussion. Alternate Spring. Credit, 3 semester hours.

338. History of Christianity (HST 338)

A survey of the history of Christianity after Paul to the 20th century. Alternate Fall or Spring. Credit, 3 semester hours.

405. Modern Interpretations of Jesus

Prerequisite: REL 113, or 211, or consent of instructor.

A variety of recent, fresh interpretations are examined, including such different viewpoints as Hugh Schonfield's *The Passover Plot*, William Barclay's *The Life of Jesus for Everyman*, and Albert Cleage's *The Black Messiah*. Significant film portraits of Jesus (*The Parable*, *Jesus Christ Superstar*, and *Godspell*, for example) will also be viewed and analyzed. Alternate Spring. Credit, 3 semester hours.

417. Sociology of Religion (SOC 417)

Prerequisite: Consent of instructor.

Religious institutions and relationships in modern society. Alternate Fall. Credit, 3 semester hours.

COMPARATIVE RELIGIONS

213. American Indian Traditions (AIS 213)

A study of the development of the religious beliefs and practices of American Indians. Alternate Spring. Credit, 3 semester hours.

216. Religions of the Far East

A study of the historical development and teachings of Hinduism, Buddhism, Confucianism and Shintoism. Offered in alternate years in sequence with REL 218 and 315. Credit, 3 semester hours.

218. Religions of the Near East

A study of the historical development and teachings of the religions of the Near East with emphasis on Islam, Zoroastrianism, and B'ahaism. Offered in alternate years in sequence with REL 216 and 315. Credit, 3 semester hours.

315. Judaism

An examination of the history, literature and faith of Post-Exilic Judaism. Offered in alternate years in sequence with REL 216 and 218. Credit, 3 semester hours.

SPECIAL STUDIES IN RELIGION**309. Experiential Learning I**

Applied Religion-Philosophy and Society Practicum. An opportunity to observe and to participate in the work of community agencies relevant to the major. An example of an agency would be the Robeson County Church and Community Center. Fall, Spring. Credit, 1-3 semester hours.

409. Experiential Learning II

Applied Religion-Philosophy and Society Practicum.

Prerequisite: REL 309.

The description of REL 409 is essentially the same as for REL 309. The nature of the practicum usually will be different from that of REL 309. (Majors may use not more than three semester hours of credit earned in Experiential Learning I and II in meeting the major requirement.) Fall, Spring. Credit, 1-3 semester hours.

420. Special Studies in Religion

Prerequisite: Major or consent of instructor.

A study of selected religious problems, themes, issues or topics to be selected each term the course is presented. The objectives of the course can be satisfied by means of Directed Research. Possible topics are: Religion and Human Life, Myth, Symbol and Metaphor, Religion and Art, Hermeneutics, Contemporary Issues in Religion, Religious Dimensions in Education, and Counseling. Fall, Spring. Credit, 3 semester hours. This course may be repeated for credit up to and including 9 hours as long as there is not duplication of subject matter.

499. Independent Study

A student who wishes to enroll in REL 499, Independent Study, must: 1. be classified as a senior, 2. have a cumulative grade point average of 3.0 or better in his major area of study, 3. request independent study in his major area, and 4. submit a Request for Approval of Independent Study in triplicate to the Office for Academic Affairs. The form can be obtained from the Department Chairman responsible for the student's major area of study. It must be approved by: 1. the professor supervising the student in independent study, 2. the Department Chairman, 3. the Dean of Admissions and Registration, and 4. The Office for Academic Affairs. The student may elect to work for one, two, or three semester hours of credit. Upon completion of the independent study, the student must prepare a typewritten report of the study in triplicate. If the supervising professor feels it is appropriate, the report will be catalogued and permanently housed in the Library. Fall, Spring. Credit, 1-3 semester hours.

Classes in Philosophy and Religion at
Pembroke State University are well-thought
out and prayerfully presented.

—*a student*

PHYSICAL SCIENCE*Chairman:* JOHN S. WALLINGFORDROSE J. D'ARRUDA
ANDREW RANSOM
JOHN E. REISSNERHAROLD J. TEAGUE
PETER A. WISH

The physical sciences embody an impressive amount of knowledge. Much more impressive however, is the fact that all of this knowledge is (believed to be) reducible to a very few underlying principles. Study leading to understanding of these principles can be tremendously rewarding because opportunities to relate them to everyday observations (demonstrate their relevance) are abundant.

Additionally, by learning of the agony and the ecstasy encountered during discovery of the principles, some of the techniques of establishing and testing laws and theories are introduced.

Offerings of the department currently include a major program in chemistry.

Requirements for a Bachelor of Science Degree in Chemistry

	Sem. Hrs.
Basic Studies (p. 53)*	45
Major Requirements	
CHM 100, 101; 200, 201; 300, 301; 410; 498	28
Elective in Chemistry (above 299)	3
PHY 150, 151 or 200, 201	6
MAT 107, 108 or equivalent; 221, 222	8-14
Electives	24-30
Total	120

Requirements for a Bachelor of Science Degree in Chemistry with Biochemistry emphasis (for pre-medical, pre-dental, pre-veterinary etc.)

Basic Studies (p. 53)*	45
Major Requirements	
CHM 100, 101; 200, 201; 300, 301; 311, 498	28
BIO 100; 102; 371; 472	15

Students who plan a major in chemistry or physics should consult with the Department Chairman before registering for Basic Studies courses.

Electives in Biology taken from	
BIO 211, 212; 221; 222; 301; 310; 372; 461	8
PHY 150, 151; or 200, 201	6
MAT 107, 108 or equivalent	6
Electives (MAT 221, 222 recommended)	12
	120
Total	

COURSES

PHYSICAL SCIENCE (PHS)

100. **Development of Physical Thought I**
 In a nonmathematical descriptive fashion, this course traces the history of physical thought from the earliest records to the present. The men, their ideas, motives, and methods, and the mental and social climate of their times are discussed. Fall, Spring. Credit, 3 semester hours.
101. **Development of Physical Thought II**
 Prerequisite: It may be somewhat helpful (but not required) to have taken PHS 100 as background for this course.
 In the fashion of PHS 100, this course deals primarily with 19th and 20th century science, such as electricity and magnetism, the nature of light, and strange worlds of the very fast (theory of relativity), and the very small (quantum theory). Fall, Spring. Credit, 3 semester hours.
105. **Physical Science for Elementary Teachers**
 A study of man's knowledge of the world in which he lives. The essentials of chemistry, physics, geology, and astronomy. Fall, Spring. Credit, 4 semester hours with laboratory (108 or 109).
108. **Physical Science Laboratory (K-3)**
 Corequisite: PHS 105 or equivalent.
 Laboratory activities focus on the use of science processes in physics, astronomy, chemistry, and geology. Methods of teaching science to young children are considered in the laboratory content. Recommended for prospective elementary teachers at the K-3 level and majors in special education. Fall, Spring. Credit, 1 semester hour.
109. **Physical Science Laboratory (4-9)**
 Corequisite: PHS 105 or equivalent.
 Laboratory activities focus on the use of science processes in physics, astronomy, chemistry, and geology. A greater emphasis on developing experience laboratory skills as well as teaching methodology are included to meet the special needs of prospective elementary teachers at the 4-9 level and reading education. Fall, Spring. Credit, 1 semester hour.
116. **Exploring Man's Energy Choices**
 A survey of the evolution of the energy crisis. The various energy alternatives are considered with regard to the technological, environmental, and economic problems associated with each. Fall. Credit, 3 semester hours.

CHEMISTRY (CHM)**100, 101. General Chemistry**

Prerequisite: CHM 100 for 101.

A study of elements, molecules, and atoms, their relationships to the environment and society. A laboratory is included. Fall, Spring. Credit, 4 semester hours each.

09. Chemistry, the Modern World, and Man

A survey course in chemistry designed for the non-science major. Study of the relationship of chemistry to man and the world which surrounds him. Special emphasis will be given to contemporary problems of energy, environment, health, and nutrition. Fall, Spring. Credit, 3 semester hours.

200. Qualitative Analysis

Prerequisite: CHM 101.

The principles and techniques required in qualitative separation and identification of inorganic cations and anions. A laboratory is included. Fall. Credit, 4 semester hours.

201. Quantitative Analysis

Prerequisite: CHM 200.

The principles of gravimetric and volumetric analysis. Correct laboratory procedures stressed. A laboratory is included. Spring. Credit, 4 semester hours.

10, 211. Organic and Biological Chemistry

Prerequisite: CHM 101.

Molecular structure, including stereochemistry, reactivity and the theoretical basis for correlation between the two; different types of reaction mechanisms are presented using as examples molecules of biological importance. A laboratory is included. Fall. Credit, 4 semester hours each.

200, 301. Organic Chemistry

Prerequisite: CHM 101.

The aliphatic and aromatic carbon compounds with special emphasis on structure, major reactions and reaction mechanisms. A laboratory is included. Fall. Credit, 4 semester hours each.

10. Biochemical Structure and Mechanism

Prerequisite: CHM 101.

Atomic and molecular structure, as supplied to organic and biological molecules. The concept of resonance and modern concepts of reaction mechanisms are introduced and are applied to biological reactions. As announced. Credit, 3 semester hours.

11. Biochemistry

Prerequisite: CHM 301 or 310.

A study of the chemical constitution of living matter and the biochemical buildup and breakdown of molecules in living organisms. As announced. Credit, 3 semester hours.

311L. Experimental Methods in Biochemistry

Prerequisite: Enrollment in, or completion of CHM 311.

A student laboratory which deals with the experimental methods used in biochemistry. As announced. Credit, 1 semester hour.

327. Instrumental Analysis

Prerequisites: CHM 201, PHY 151 or equivalent.

Study of methods for the analysis and separation of mixtures, with emphasis on techniques in modern industrial usage. Laboratory projects are included. Spring. Credit, 3 semester hours.

410, 411. Physical Chemistry

Prerequisites: 16 hrs. of college chemistry, mathematics through calculus, and consent of instructor.

A theoretical and mathematical treatment of the fundamental laws and theories and underlying the science of chemistry. As announced. Credit, 3 semester hours each.

410L, 411L. Experimental Methods in Physical Chemistry

Prerequisites: Enrollment in, or completion of, CHM 410 for 410L, and 411 for 411L.

A student laboratory which deals with experimental methods used in physical chemistry. As announced. Credit, 1 semester hour each.

498. Literature Seminar

Prerequisite: Senior chemistry major.

Introduction to methodology of researching a topic in the chemical literature. Spring. Credit, 1 semester hour.

499. Independent Study in Chemistry

Prerequisite: Consent of Department Chairman.

Individual research in advanced areas of chemistry. Offered for chemistry majors only. Fall, Spring. Credit, 1 to 3 semester hours.

PHYSICS (PHY)**100. Elementary Physics I**

In an essentially descriptive fashion this course describes the nature of motion and its causes, energy, momentum, theory of relativity, heat and temperature, pressure, sound, and others. Fall. Credit, 3 semester hours.

101. Elementary Physics II

Prerequisite: It is helpful (but not required) to have taken PHY 100 as background for this course.

In the fashion of PHS 101, this course describes the nature of electricity and magnetism, light and optical devices, and the atom (what we now know and what we believe we can't know). Spring. Credit, 3 semester hours.

115. Electronics (a survey)

The limitations of electronics are not known. We live in an "electronic age." This course is a survey of the entire field of electricity and electronics from why rubbing a balloon can cause it to stick to the ceiling (apparently defying gravity) through how radio and TV work, to the modern electronics of the calculator and computer. As announced. Credit, 3 semester hours.

150, 151. College Physics I, II

Prerequisites: MAT 107 or equivalent for 150, 150 for 151.

A treatment of the subject matter of general physics (listed, in part, under 100, 101) at a level of thoroughness expected in such curricula as pre-med, chemistry, etc. (For pre-engineering or physics curricula see 200, 201). Fall, Spring. Credit, 4 semester hours each with laboratory (206, 207).

200, 201. University Physics I, II

Prerequisites: MAT 221 or equivalent (may be taken concurrently) for 200, 200 for 201.

The most thorough treatment of the subject matter of general physics (listed, in part, under 100, 101). A beginning course expected in such curricula as pre-engineering, physics, etc. As announced. Credit, 3 semester hours each.

206, 207. Physics Laboratory

Prerequisites: For 206, enrollment in, or completion of PHY 100, 150, or 200. For 207, enrollment in, or completion of PHY 101, 151, or 201.

A student laboratory to complement and reinforce the physical relationships discussed in the lecture classes. Fall, Spring. Credit, 1 semester hour each.

218. Optics

Prerequisite: PHY 101, 151, or 201.

Optical instruments such as cameras, telescopes, and many more are discussed. Their uses, limitations, and how they work are all included. Experimentation comprises half of the course. As announced. Credit, 3 semester hours.

256. Modern Physics

Prerequisite: PHY 101, 151, or 201.

A survey of the physics of the 20th century. The fundamental ideas of the theory of relativity and quantum mechanics via the anomalies that led to their formulation. As announced. Credit, 3 semester hours.

320, 321. Electricity and Magnetism

Prerequisites: PHY 101, 151, or 201 and working knowledge of calculus for 320, 320 for 321.

Electrostatics, magnetic and electric fields, capacitance, inductance, electric machinery and meters. As announced. Credit, 3 semester hours each.

326. Heat and Temperature

Prerequisites: PHY 100, 150, or 200 and a working knowledge of calculus.

Heat and its effects. Heat engines and their limitations. The concepts of entropy and other facets of thermodynamics. As announced. Credit, 3 semester hours.

336. Mathematical Physics

Prerequisite: A working knowledge of calculus.

Three dimensional vector and tensor calculus. Green's and Stokes's theorems. Vector spaces, linear independence, orthogonality, hermetian and unitary operators. Eigenvalues and eigenvectors of operators, function spaces as vector spaces, and elements of the theory of distributions. As announced. Credit, 3 semester hours.

448. Special Topics

Prerequisites: PHY 101, 151, or 201, MAT 222.

Individual study either of subject matter in existing courses (in more depth) or of subjects for which there is no present formal course. As announced. Credit. 1-3 semester hours.



POLITICAL SCIENCE*Chairman:* CHANG-HYUN CHOROBERT A. DELGROSSO
GIBSON H. GRAYPAUL B. HERRICK, JR.
WALTER L. WEISBERG

Political science is the systematic study of politics. Politics is a social phenomenon; a pattern of interaction among men living in groups. Men have conflicting notions about which values are important and about how a society should distribute its valued resources. The government is to make decisions about the distribution of its valued resources among people. Politics is both the conflict of demands and the process by which these conflicting demands are adjusted.

The Department of Political Science aims to provide political science students with an educational background which will prepare them for a wide range of career opportunities and which will be desired by prospective employers from the fields of Law, Foreign Service, Public Administration, Journalism, "Practical Politics," and teaching.

Requirements for a Bachelor of Arts Degree in Political Science

	Sem. Hrs.
Basic Studies (p. 53)*	45
Major Requirements	
PLS 100, Introduction to Political Science	3
PLS 101, Introduction to American Nat'l Government	3
At least one course from each of the following areas:	
Theory, Philosophy and Methodology	
213, 303, 314, 324, 333, 336, or 363	3
American Government and Politics	3
201, 202, 215, 280, 301, 304, 305, 306, 310, 312, 315, or 317	
Public Administration	3
210, 302, 319, 320, or 331	
Comparative Government and Politics	3
200, 300, 309, 321, 325, or 384	

*Students who plan a major in Political Science should consult with the Department Chairman prior to registering for Basic Studies courses.

International Organization, Relations, and Law 251, 311, 330, 345, 346s, 350, 354, 413, 431, or 452	Sem. Hr 3
And fifteen additional hours of Political Science Electives	36 39
Total	120

Requirements for a Bachelor of Arts Degree in Political Science

Pre-Law Option	Sem. Hr
Basic Studies (p. 53)*	45
Major Requirements	27
PLS Science 100, 101, 210, 303, 304, 310, 317, 330, 333	
One course from among:	3
300, 309, 321, 325, 384	
and	
Two additional courses in Political Science	36
Other Electives**	39
Suggested:	
Communicative Arts 101, 225, 302	
Total	120

Requirements for a Bachelor of Arts Degree in Political Science

Public Administration Option	Sem. Hr
Basic Studies (p. 53)*	45
Major Requirements	30
PLS 100, 101, 201 or 202, 210, 302, 319, 320, 333 or 363, 360, 361	
One course from among:	3
311, 330, 350, 354, 452	
and	
One additional course in Political Science	36
Suggested:	
BUS 227, 228	
ECN 201, 202	
Other Electives	39
Total	120

Requirements for a Minor in Public Administration:

Required Courses	
PLS 100 Introduction to Political Science	3
or	
PLS 101 Introduction to American National Government	
PLS 201 American State Government	3
or	
PLS 202 Local Government in the United States	
PLS 210 Introduction to Public Administration	3

*Students who plan a major in Political Science should consult with the Department Chairman prior to registering for Basic Studies courses.

**Chosen in consultation with the pre-law advisor.

or		
PLS 320	Comparative Public Administration	3
PLS 302	Administration of Municipal Government	3
PLS 319	Public Policy and Analysis	3
	Three additional hours of Political Science	3
	Total	<u>18</u>

*Students who plan a major in Political Science should consult with the Department Chairman prior to registering for Basic Studies courses.

The department feels that there are many students majoring in Business Administration and Economics, Education, Sociology, etc. who may someday seek employment in some administrative position in the public sector. While not wishing to major in political science, these students would benefit from a structured set of courses outlining the operations and problems of the administrator of a public agency. Even if the student never seeks employment as public administrator, the department feels that exposure to these courses within the public administration minor will help the student to perform their private sector administrative roles more capably, especially since the growth of government has created numerous points of contact between public sector and private sector administrators.

Requirements for a Minor in Legal Studies:

Required Courses	Sem. Hrs.
PLS 100 Introduction to Political Science	3
or	
PLS 101 Introduction to American National Government	
PLS 303 Political Thought	3
PLS 310 Constitutional Law	3
PLS 317 Judicial Process and Behavior	3
PLS 330 International Law	3
Three additional hours of Political Science	3
Total	<u>18</u>

The minor in legal studies is designed to accommodate the student who is majoring in some other discipline and also quite interested in going to law school and pursuing a legal career. This allows the students to concentrate in a particular area of expertise within which he/she plans to specialize once they begin to practice law. Rather than require the student to major in political science this gives the student more flexibility to pursue other interests while receiving a solid-base preparing for law school study.

Requirements for a Minor in Political Science:

	Sem. H.
Required Courses	
PLS 100 Introduction to Political Science	3
or	
PLS 101 Introduction to American National Government	3
PLS 303 Political Thought	12
Twelve additional hours of Political Science	<u>18</u>
Total	18

This third option is less structured than the other minors because the department wishes to accommodate the student who enjoys political science, but who does not wish to pursue a major because of other career or vocational goals. With the exception of a required course in Political Thought the department wishes to encourage the student to take an "eclectic" approach and enroll in courses to discuss topics of interest to the student so that the individual needs of the student will be better met.

The Department of Political Science participates in the interdepartmental minors World Studies Program. For further details on this program, see p. 243.

The Department of Political Science participates in the interdepartmental minors program in Personnel and Organizational Leadership. For further detail on this program, see p. 240.

COURSES (PLS)**INTRODUCTION****100. Introduction to Political Science**

A study of general political science concepts, definitions, and approaches within the framework of discussions of how individuals and groups may be able to utilize more effectively the political, social, and economic systems with which they come into contact. Fall, Spring. Credit, 3 semester hours.

101. Introduction to American National Government

An introductory study of: (1) the basic concepts of political science, (2) the brief history and the basic principles of the Constitution, (3) the structure and functions of, and the relations between the legislative, executive and judicial branches of the national government, and (4) the relations between national and state governments. Fall, Spring. Credit, 3 semester hours.

THEORY, PHILOSOPHY, AND METHODOLOGY**213. Contemporary Political Ideologies**

Prerequisite: PLS 100 or 101.

A study of twentieth century ideologies, including liberalism, conservatism, nazism, facism, communism, democratic socialism and more recent doctrines such as third world nationalism, minority liberation, women's liberation and the new left. As announced. Credit, 3 semester hours.

303. **Political Thought**
Prerequisite: PLS 100 or 101.
A study of the historic and conceptual background of political thought from the classical through contemporary political thinkers. Emphasis will be placed on the application of ideas and concepts learned to current political and personal situations so as to enable the student to function better and more thoughtfully as an individual and as a member of various social and political systems. Fall or Spring. Credit, 3 semester hours.
314. **Personality and Politics**
Prerequisite: PLS 100, 101 or PSY 201.
A study of the effects of psychological considerations upon political behavior and political attitudes, with an emphasis on the implications or psychoanalytic theory. Fall or Spring. Credit, 3 semester hours.
324. **Workshop in Political Psychology**
Prerequisite: PLS 100, 101, or PSY 201.
An experimental consideration of basic concepts like power, freedom, responsibility, and equality. Meaningful personal understanding of these concepts will be sought through the use of simulation techniques and role-playing. Fall or Spring. Credit, 3 semester hours.
333. **Introduction to Theory and Methodology**
Prerequisite: PLS 100 or 101.
This course concerns basic concepts of political science and teaches the student how to do research, use the library, evaluate the research of others, draw a graph, construct a table, and use a few simple statistical techniques. Fall. Credit, 3 semester hours.
336. **Political Sociology**
Prerequisite: PLS 100 or 101.
A study of the influence of social factors upon the political process. Aspects covered will include: (1) political socialization, (2) political participation, (3) intergroup relations, (4) social movements, and (5) political development and political change. Fall or Spring. Credit, 3 semester hours.
63. **Quantitative Methods in Political Science**
Prerequisite: PLS 100 or 101.
An introduction to survey research and aggregate data analysis, and to statistical and computer applications in political science. The course will enable the students to understand how to choose a sample for political science research, how to conduct a survey, how to use data already available, how to use pre-packaged computer programs, and how to interpret computer output. (No previous courses in statistics will be required, but a willingness to use quantitative methods in political science will be necessary.) Spring. Credit, 3 semester hours.

DIRECTED RESEARCH AND INDEPENDENT STUDY

338. **Directed Research in Political Science I**
Prerequisite: PLS 100 or 101.
Written acceptance by a supervising faculty member is required, based on the student's written proposal. A copy of the proposal together with the faculty member's acceptance must be submitted for approval to the Department Chairman prior to registration. Fall or Spring. Credit, 1-3 semester hours.

399. Directed Research in Political Science II

Prerequisite: PLS 100 or 101.

Written acceptance by a supervising faculty member is required, based on the student's written proposal. A copy of the proposal together with the faculty member's acceptance must be submitted for approval to the Department Chairman prior to registration. Fall or Spring. Credit, 1-3 semester hours.

499. Independent Study in Political Science

Directed reading and research under the guidance of the instructor in a specific area or problem in political science. Scheduled only for senior political science majors with the approval of the Chairman of the Department. Fall or Spring. Credit, 1-3 semester hours.

AMERICAN GOVERNMENT AND POLITICS

201. American State Government

Prerequisite: PLS 100 or 101.

An examination of the setting, institutions, politics, and policies of state governments in the United States. Fall or Spring. Credit, 3 semester hours.

202. Local Government in the United States

Prerequisite: PLS 100 or 101.

An examination of the setting, institutions, politics, and policies of local government in the United States. Fall or Spring. Credit, 3 semester hours.

215. North Carolina Politics and Government

Prerequisite: PLS 100 or 101.

A study of the North Carolina political system: its environment, the forces and elements making up the system, the policies of that system, and the impact of the policies. Fall or Spring. Credit, 3 semester hours.

280. Intergovernmental Relations in the United States

Prerequisite: PLS 100 or 101.

A study of the American federal system: constitutional and theoretical basis of federalism; national-state-local government conflict and cooperative regional arrangements; recent trends; future prospects. Fall or Spring. Credit, 3 semester hours.

301. Political Parties and Interest Groups in the United States

Prerequisite: PLS 100 or 101.

The history, development, organization, functions and purposes of the major parties and interest groups, and the role played by them in the policy-making and election of the government. Fall or Spring. Credit, 3 semester hours.

304. Legislative Process in the United States

Prerequisite: PLS 100 or 101.

A study of: (1) the distribution of the legislative power in the three branches of the government, (2) the structure and functions of the legislature, (3) the actual process of legislation both in the national and the state governments, (4) defects and remedies, and (5) the attainment of responsible and responsive government. Important legislative problems will be selected and will serve as a basis for analyzing the legislative process. Fall. Credit, 3 semester hours.

05. **Public Opinion and Elections in the American Political System**
Prerequisite: PLS 100 or 101.
A study of the nature of public opinion, campaigns, and elections and their functions in the American political system. Fall or Spring. Credit, 3 semester hours.
06. **The American Presidency**
Prerequisite: PLS 100 or 101.
The central role of the American presidency in the political process and the relationship among the presidency and the other branches of government. Spring. Credit, 3 semester hours.
0. **Constitutional Law**
Prerequisite: PLS 100 or 101.
A study of: (1) the federal system, especially the relations between the national and the States, (2) the jurisdiction of the federal courts and (3) individual rights. Fall or Spring. Credit, 3 semester hours.
2. **Law of Criminal Procedure**
Prerequisite: PLS 100.
Constitutional limitations on police activity. Due process; right to counsel; arrest, search and seizure; electronic eavesdropping; confessions; and the scope of exclusionary rules. Spring. Credit, 3 semester hours.
5. **Politics of Minority Groups**
Prerequisite: PLS 100 or 101.
A study of the styles of political behavior of groups which have been discriminated against in the United States because of their color, creed, or national origin. Examination will be made of the origin and content of the styles and of their implications for American democracy. Fall or Spring. Credit, 3 semester hours.
7. **Judicial Process and Behavior**
Prerequisite: PLS 100 or 101.
An examination of the role of judges, lawyers, and jurors in the decision-making process as influenced by their recruitment and socialization of the political framework in which they operate, and the various factors, ideology, attitudes, and values that influence their decisions. Fall or Spring. Credit, 3 semester hours.
0. **Problems in American Government**
Prerequisite: PLS 100 or 101.
A study of contemporary problems in governmental policies relating to labor, agriculture, business, and other areas of our life. Spring or Fall. Credit, 3 semester hours.
0. **Seminar in American Government**
Prerequisite: PLS 100 or 101.
A study of selected problems, either in theory or in practice, in American government with readings, discussions and papers on these problems. Fall or Spring. Credit, 3 semester hours.

405. Washington Legislative Internship

Prerequisite: PLS 304.

This internship presents an opportunity for a student to get a deeper understanding of the legislative process by participating in the activities of a U.S. Congressman's office. The intern will spend a semester in Washington, D.C. working in the office of a Congressman and will be responsible for performing assigned research on legislative issues as well as working on constituency problems. Students will be assigned reading material on the legislative process and will be required to submit various papers in order to fulfill the internship requirements. The internship is limited to Political Science majors. No more than six credit hours may be applied to fulfill the thirty-six hour requirement for a major in political science, nor is the student eligible to also enroll in any other departmental internship program (PLS 361, or 364). Scheduled for political science majors with the approval of the Chairman of the Department. Credit, 6-12 semester hours.

PUBLIC ADMINISTRATION

210. Introduction to Public Administration

Prerequisite: PLS 100 or 101.

An introductory study of general principles and problems of administrative organization in governments; federal, state, and local. The role, relations, processes, and control of governmental institutions, in the political context, with special emphasis on the American experience, will be surveyed. Fall or Spring. Credit, 3 semester hours.

302. Administration of Municipal Government in the United States

Prerequisite: PLS 100 or 101.

A study of American municipal government in its setting and development. Power and politics, management process, administration of services, social and economic problems, planning, fiscal problems and practices, intergovernmental relations, and emerging trends. Fall or Spring. Credit, 3 semester hours.

319. Public Policy and Analysis

Prerequisite: PLS 100 or 101.

This course seeks to explore both the causes and consequences of public policy, i.e., both policy determination and policy impacts. The former is concerned with political, economic, social, environmental or other factors which are hypothesized to be policy determinants. The latter is concerned with social, economic, political, or other conditions which are hypothesized to be policy impacts. Fall or Spring. Credit, 3 semester hours.

320. Comparative Public Administration

Prerequisite: PLS 100 or 101.

Examination and analysis of the administrative systems of foreign governments of selected Western and non-Western countries; attention to principles applicable to administration in the United States. Fall or Spring. Credit, 3 semester hours.

331. Public Finance (ECN 330)

Prerequisites: ECN 201, 202.

A study of revenue and expenditure on all government levels in the United States. Spring. Credit, 3 semester hours.

60. **Introductory Internship in Public Administration**
 Prerequisite: PLS 100 or 101.
 The acquisition of public management experience through an arranged internship in a government or community agency or enterprise, under the instruction and supervision of the major professor and a designated official of the agency or enterprise involved. Fall or Spring. Credit, 3 semester hours.
61. **Advanced Internship in Public Administration**
 Prerequisite: PLS 360.
 This is a continuation of the internship of PLS 360. It continues the acquisition of public management experience through an arranged internship in a government or community agency or enterprise, under the instruction and supervision of the major professor and a designated official of the agency or enterprise involved. Fall or Spring. Credit, 3 semester hours.
64. **Practicum in Public Administration**
 Restriction: Open to majors in Political Science only.
 Prerequisite: PLS 100 or 101, and consent of instructor and departmental chairman.
 This course provides students with management experience of at least 80 working days with regular wages provided by a government or community agency. Working under the supervision of a major professor and a designated official of the agency, students produce an extended report exploring a concern of the agency. Fall or Spring. Credit, 6 semester hours.

COMPARATIVE GOVERNMENT AND POLITICS

0. **Introduction to Comparative Politics**
 Prerequisite: PLS 100 or 101.
 This course introduces the subject matter of comparative politics by examining different types of political systems such as a West European parliamentary democracy, a third world authoritarian state, and a totalitarian communist system. As announced. Credit, 3 semester hours.
0. **Comparative Government**
 Prerequisite: PLS 100 or 101.
 Analytical and comparative study of: (1) the structure, functions of, and the relations between the legislative, executive and judicial branches of the national governments of the major powers: France, Germany, and Great Britain, (2) the role played by the political parties in the government, (3) the relations between the national and the state governments and (4) the special features of the different forms of governments, the presidential and parliamentary governments, and the authoritarian and democratic governments. Fall or Spring. Credit, 3 semester hours.
- 3). **Africa in the Contemporary World**
 Prerequisite: PLS 100 or 101.
 The study of stability and change in present African political systems and movements as shaped by their traditional societies, colonialism, the struggle for independence, the impact of outside factors like the great powers, and the dynamics of political and economic development. Fall or Spring. Credit, 3 semester hours.

321. Soviet Government

Prerequisite: PLS 100 or 101.

A study of the government that emerged after the Revolution of 1917, emphasizing the subsequent power struggle and gradual development of the U.S.S.R. Fall or Spring. Credit, 3 semester hours.

325. Governments and Politics in the Far East

Prerequisite: PLS 100 or 101.

An examination of the indigenous ideas, institutions, and behavior of political systems in the Far East with emphasis upon contemporary China, Japan, and Korea. Fall or Spring. Credit, 3 semester hours.

384. History of Latin American Political Institutions (HST 384)

Prerequisite: PLS 100 or 101.

An examination of political institutions and types of governments in selected Latin American countries since independence. Fall or Spring. Credit, 3 semester hours.

INTERNATIONAL ORGANIZATION, RELATIONS, AND LAW

251. Introduction to World Politics

Prerequisite: PLS 100 or 101.

An analysis of politics and relations among nations: (1) sovereignty, (2) domestic jurisdiction, (3) status quo, (4) colonialism, (5) balance of powers, (6) alliance and neutrality, (7) peaceful adjustment of disputes, (8) disarmament, (9) standards of international conduct, (10) economic development, (11) political advancement of the developing peoples. Fall. Credit, 3 semester hours.

311. International Politics in the Middle East

Prerequisite: PLS 100 or 101.

A discussion of conflict and collaboration among and within nations and political movements in the Middle East. The determinants of international politics in the region and the relationship of the region to the outside world will be treated. Fall or Spring. Credit, 3 semester hours.

330. International Law

Prerequisite: PLS 100 or 101.

A study of (1) the general conception of international law, (2) the subject matter of international law, (3) objects of international law, (4) international transactions including the role of diplomatic agents and treaties, and (5) peaceful settlement of international disputes. Fall or Spring. Credit, 3 semester hours.

345. The United States and the Far East (HST 345)

Prerequisite: PLS 100 or 101.

A study of the major factors and the processes concerning American involvement in the Far East from the beginning of the Republic to the present; to include the nature of the international system in the Far East and changing American interests and policies in the region. Fall or Spring. Credit, 3 semester hours.

346s. Contemporary Asian Problems (HST 346s)

It is designed to provide the student with an up-to-date knowledge generally applicable to everyday life of today's world in the field of Asian studies. Semester. Credit, 1-4 semester hours.

350. International Organization

Prerequisite: PLS 100 or 101.

A study of: (1) the theoretical and actual development of an international organization, (2) the structures and functions of the principal organs of the United Nations and their relations to each other, (3) the comparison between the Covenant of the League of Nations and the Charter of the United Nations, and (4) the general concepts of the regional arrangements such as: NATO, OAS, SEATO, etc. Fall or Spring. Credit, 3 semester hours.

354. International Relations in the Far East

Prerequisite: PLS 100 or 101.

An analysis of the foreign policies of China, Japan, and other Asian states involved presently or potentially in global conflicts with special attention to the United States, role in the area. Fall or Spring. Credit, 3 semester hours.

413. History of U.S. Foreign Policy (HST 413)

Prerequisite: PLS 100 or 101.

A study of the major trends, issues, and problems in U.S. foreign policy. Fall, Spring. Credit, 3 semester hours.

431. The United States and Latin America (HST 431)

A study of the special relationship between the American Republics in the 19th and 20th centuries, the development of Pan-Americanism and the Organization of American States. Fall or Spring. Credit, 3 semester hours.

452. Problems in American Foreign Policy (HST 452)

Prerequisite: PLS 100 or 101.

A study of major issues and problems in American foreign policy including tradition and other constant factors of policy making with major emphasis on the post-World War II period. Fall or Spring. Credit, 3 semester hours.

Political Science majors at Pembroke
State University win votes for
well-governed learning.

—*a student*

PSYCHOLOGY*Chairman:* KATHRYN K. RILEIGHDUNCAN L. FOREST
JAMES F. HUBBARDWRIGHT KILLIAN
MICHAEL STRATTON

The purpose of the Psychology Department is to provide students with academic and applied learning experiences in a variety of subfields of psychology. All of the major specialties in psychology are represented by the interests of the faculty members and coursework in the department. The emphasis in the teaching is twofold: (a) to offer sound training in psychological principles which will be useful to students in their lives and (b) to provide courses which will prepare students for entrance into graduate degree programs in psychology and related fields.

Students interested in individualized academic and work-related projects will find a sampling of psychology courses designed for that purpose. In addition, a psychology laboratory is available to students either taking courses requiring its use or interested in pursuing independent research activities.

Requirements for a Bachelor of Science Degree in Psychology:

	Sem. Hrs
Basic Studies (p. 53)	45
Major Requirements	36
PSY 101, 110, 210, 215, 304, 375, 18 additional hours of psychology courses (15 hours must be 300-400 level)	
Electives	39
Total	<u>120</u>

Requirements for a Minor in Psychology

The Psychology Department offers a minor program consisting of 18 unduplicated semester hours. Minors must be approved by the department.

Course Number	Course Title	Sem. Hrs
PSY 101	Introductory Psychology	3
PSY 110	Developmental Psychology	3
PSY 215	Psychology of Learning	3
PSY 216	Introduction to Social Psychology	3
Electives in Psychology (300-400 Level Courses)		6
Total		<u>18</u>

The Department participates in the inter-departmental minor in personnel and organizational leadership. For further details on this program, see p. 240.

COURSES (PSY)

01. Introductory Psychology

A survey of major areas of psychology, with emphasis on issues, concepts and terminology needed for more advanced courses. Fall, Spring, and Summer. Credit, 3 semester hours.

03. Psychology of Parenthood

The application of psychological concepts by parents to the understanding and modification of child behavior at all stages of development. Recommended for Basic Studies requirement. Fall. Credit, 3 semester hours.

04. Tactics and Strategies in Learning

A survey of learning principles and how they may be applied in everyday and professional situations. Topics explored will include formats of learning and training, skill acquisition, study habits, memory techniques, and procedures for behavioral change. More general topics that might affect how one approaches a learning/training situation will also be discussed. Alternate Spring. Credit, 3 semester hours.

10. Developmental Psychology

The study of the stages and processes involved in all areas of development of the human organism from conception through adolescence. Fall and Spring. Credit, 3 semester hours.

50. Human Adjustment and Personal Growth

A survey of current knowledge about everyday psychological adjustments and personal growth. Topics include personality theories, adjustment problems, growth processes, interpersonal relationships, values anxiety, frustration, conflict, and stress. Classroom activities include lectures, discussions, and group exercises. Fall, Spring. Credit, 3 semester hours.

08. Psychological Statistics

An introduction to simple descriptive and inferential statistics which are frequently used by psychologists. The selection and application of procedures appropriate to specific types of psychological research and the standardization of psychological tests will be emphasized. Spring or Summer. Credit, 3 semester hours.

0. Psychological Research

Prerequisite: Any psychology course.

An introduction to research methods used in psychology. Experimental research will be emphasized, but survey and correlational research will also be included. Spring. Credit, 3 semester hours.

5. Psychology of Learning

Prerequisite: PSY 101.

An introductory survey of the major areas in the psychology of learning. Classical conditioning, operant conditioning, verbal learning, and memory will be included. Fall. Credit, 3 semester hours.

216. Introduction to Social Psychology

Prerequisite: PSY 101 or SOC 201.

An introduction to the concepts, principles, theories, and research of social psychology. Social psychology is the study of social influence processes. Topics such as attitude change, perception of other people, interpersonal attraction, aggression, altruism, prejudice, and group dynamics will be covered. Fall. Credit, 3 semester hours.

220. Behavior Modification

Prerequisite: PSY 215 or EDN 202.

The application of learning principles to the modification of child behavior in the home, in the classroom and on the playground with a special emphasis on the behavior problems in retardation, autism, hyperactivity, and delinquency. Spring alternate years. Credit, 3 semester hours.

250. Psychology of Women

A study of women and women's behavior from a psychological perspective. Includes the following topics: sex differences, male-female roles, processes of identification, stereotypes, and sexuality. Spring. Credit, 3 semester hours.

299. Child Clinical Psychology

The study of the origin of child behavior problems (aggression, withdrawal, delinquency, learning disabilities, retardation, autism, and childhood psychosis) and the application of therapy techniques to each area. Fall or Spring and Summer. Credit, 3 semester hours.

304. History and Systems of Psychology

Prerequisite: PSY 101.

A study of the development of psychology as a discipline from ancient Greece to modern times. Present issues in psychology are traced to their origin. Spring. Credit, 3 semester hours.

309. Seminar on Psycholinguistics: Psychology of Language

A study of theories and research on the learning and usage of language. Includes speech perception, child language development, word meaning, deafness, and other related topics. Alternate Fall. Credit, 3 semester hours.

312. Cognitive Processes

Prerequisite: PSY 101.

An examination of human memory and thinking within the context of the human information processing model. Spring. Credit, 3 semester hours.

315. Human Motivation

Prerequisite: PSY 101.

Integration of diverse theoretical perspectives into a coherent framework for analyzing human motivation, with a selective survey of contemporary research. Development of practical skills in measuring and influencing the motivation of adults. Fall. Credit, 3 semester hours.

316. Psychology of Leadership

Examination of the psychological processes in small group leadership. Topics will include self-assertion, decision-making, persuasion, and compliance. Emphasis on theory, research, and acquisition of practical leadership skills. Spring. Credit, 3 semester hours.

17. **Psychology of Social Communication**
Study of the psychological processes in everyday social communication. Examination of the relationship between misunderstanding, hostility, egocentricity, psychological defenses, and the frequent conflict between verbal and nonverbal cues. Emphasis on applying psychological theory to the solution of specific communication problems in the student's own life. Spring. Credit, 3 semester hours.
50. **Practicum: Applied Psychology**
Prerequisite: A written plan of the project should be approved by the Department Chairman no later than two weeks prior to registration.
Supervised experiential learning in locations where psychological principles are applied (e.g., corrections, industry). Fall, Spring. Credit, 1-3 semester hours.
55. **Sensation and Perception**
Prerequisite: PSY 101.
An examination of the structures and processes involved in perception. Visual and auditory perception will be emphasized. Fall alternate years. Credit, 3 semester hours.
60. **Abnormal Psychology**
A study of the history, theories, and causes of mental disorders. Various types of disorders are examined along with their typical symptoms. Uses of psychological testing and clinical interviews are studied. Spring. Credit, 3 semester hours.
75. **Personality Theories**
Various theoretical approaches to the study of personality. Fall. Credit, 3 semester hours.
97. **Current Topics Seminar**
Comprehensive treatment of selected topics in psychology. Content will vary, depending on interests of participants. Offered on demand (see Department Chairman). Credit, 3-9 semester hours in multiples of 3.
99. **Directed Study**
Prerequisite: A written plan of the project should be approved by the Department Chairman no later than two weeks prior to registration.
Directed readings and/or research, leading to the preparation of a paper or research report. Exclusively for psychology majors. Amount of credit given will be agreed upon prior to registration and will depend upon the magnitude of the project chosen. Fall, Spring. Credit, 1-6 semester hours.
1. **Physiological Psychology**
The study of the structure and functioning of the nervous system as applied to human behavior. Spring alternate years. Credit, 3 semester hours.
3. **Introduction to Psychological Testing**
An intensive introduction to basic psychometric concepts including types of test scores, score transformation techniques, validity, reliability, and norms. Practical application of psychometric concepts will be experienced through the administration, evaluation, and interpretation of psychological tests. Fall. Credit, 3 semester hours.

414. Practicum: Mental Health Service Experience

Prerequisite: Permission of Department Chairman.

Interested students should have written plan of work approved by the Chairman no later than two weeks prior to registration. Supervised experience in one of the five major areas of a comprehensive mental health center (inpatient, outpatient, consultation/education, partial hospitalization, and emergency service). Fall, Spring. Credit, 3 semester hours.

417. Introduction to Clinical Psychology

Prerequisite: PSY 101.

A survey of the clinical field with special emphasis on people-helping skills and institutions. Includes trips to institutions and practicum work with individuals. Spring. Credit, 3 semester hours.

418. Introduction to Counseling Psychology

An introductory survey of counseling with emphasis on basic skills and knowledge of techniques. The course is both didactic (theories of counseling) and experiential (role-playing in class). Opportunities for classroom discussion, professional feedback about skills and potential, and video-taping. Fall, Spring. Credit, 3 semester hours.

421. Experimental Social Psychology

Prerequisite: PSY 210 or 216.

Students will learn the concepts, principles, and procedures of experimentation in social psychology. Students will apply what they are learning by designing and conducting experiments investigating such topics as interpersonal perception and attraction, attitude change, altruism, conformity, and group dynamics. Two one-hour lectures and two two-hour laboratories per week. Spring. Credit, 4 semester hours.

440. Learning Theories

Prerequisite: PSY 215.

A survey of theoretical interpretations of learning. Fall alternate years. Credit, 3 semester hours.

450. Introduction to Group Processes

An experientially oriented course designed to acquaint the student with basic issues and different theoretical perspectives of group interaction. Summer. Credit, 3 semester hours.

495. Advanced Review of Psychology

Review of all major areas of psychology for students interested in preparing for graduate school. Fall (8 intensive weeks). Credit, 1 semester hour.

SOCIOLOGY*Chairman:* FRANK SCHMALLEGERELEANOR H. BLAKELY
JOHN BOWMAN
NORMAN LAYNESTEPHEN MARSON
BARNEY PAUZÉ
JOHN RIMBERG

The purpose of the Sociology Department is to provide students with classroom and real-life experiences designed to stimulate critical thought about man's social environment and to prepare students for meaningful participation in society.

The department offers both a major and minor in sociology, as well as a program track in Criminal Justice through the sociology major. In addition, minors are available in the specialty areas of Criminology, Medical Sociology and Social Work. Another area of concentration is Guidance.

The department places major emphasis on Applied Sociology. Many courses within the department allow students to test classroom learning through real-life experience (field-work placement) in the community. Such experiences enhance students' employment opportunities following graduation.

Moreover, it is now possible for students to graduate with a sociology major without taking any courses during the daytime. All required courses and much of the remaining curriculum are offered (on a rotating basis) at night or weekends.

The Sociology Department strongly recommends that prospective majors, minors and those developing a specialty concentration consult the Department Chairperson as soon as possible.

Requirements for a Bachelor of Arts Degree in Sociology

	Sem. Hrs.
Basic Studies (p. 53)	45
Major Requirements	
SOC 201, 309, 340, 346, 370, 490	18
Any three courses from: II. GENERAL SOCIOLOGY except SOC 110, 309, or 490.	9
Eighteen additional semester hours of sociology	18
Electives	30
Total	120

Sociology majors who elect to study a second course in mathematics are advised to select Introduction to Statistics. Although a course in statistics is recommended, it is not required.

Requirements for a Bachelor of Arts Degree in Sociology with a Program Track in Criminal Justice

	Sem. Hrs.	Sem. Hrs.
1. Basic Studies (p. 53)	45	45
2. Major Requirements:		
a. SOC 201, 309, 340, 346, 370, 490	18	
b. Fifteen hours from the following: SOC 341, 342, 343, 344, 362, 364, 440	15	
c. Fifteen hours as follows: PLS 310, 317, 319; PSY 360; PHI 377	15	48
d. Recommended program: Students who plan a career in criminal justice are strongly encouraged to take the following two courses, which represent a block in the area of criminal justice administration and practical experience in the field. SOC 460, 470		7
e. Electives	<u>27</u>	<u>20</u>
f. Total	120	120

Requirements for a Minor in Sociology

Select a minimum of 18 unduplicated semester hours as follows:

Course Title	Course Number	Sem. Hrs.
Sociological Concepts	SOC 201	3
Social Problems	SOC 309	3
Sociology Electives (300-400 level)		<u>12</u>
	TOTAL	18

Requirements for a Minor in Criminology

Select a minimum of 18 unduplicated semester hours from the following eight courses:

Course Title	Course Number	Sem. Hrs.
Introduction to Criminology	SOC 340	3
Juvenile Delinquency	SOC 341	3
Punishment & Correction of Criminals	SOC 342	3
Law Enforcement	SOC 343	3
Social Justice	SOC 344	3
Crimes Without Victims	SOC 362	3
Probation, Parole & Community Corr.	SOC 364	3
Senior Seminar on Deviance and Social Counter-Measures	SOC 440	3

Requirements for a Minor in Medical Sociology

Select a minimum of 18 unduplicated semester hours from the following eight courses:

Course Title	Course Number	Sem. Hrs.
Introduction to Medical Sociology	SOC 370	3
Health Care Occupations	SOC 371	3
Health Care Delivery Systems	SOC 372	3
Preventive Health Practices	SOC 373	4
Social Dimensions of Disease Trans.	SOC 374	4
Death, Dying and Chronic Illness	OSC 375	4
Medical Ethics	SOC 376	3
Drug Use and Abuse	SOC 377	3

Requirements for a Minor in Social Work

Select a minimum of 18 unduplicated semester hours from the following eleven courses:

Course Title	Course Number	Sem. Hrs.
Human Behavior & Social Environment	SOC 345	3
Introduction to Social Work	SOC 346	3
Social Welfare Policies & Programs	SOC 348	3
Client Contact in Social Work I	SOC 380	3
Child Welfare Services	SOC 383	3
Social Gerontology	SOC 384	3
Client Contact in Social Work II	SOC 385	3
Supervision in Human Services Organ.	SOC 403	3
Minority Groups	SOC 459	3
Introduction to Field Work	SOC 470	4
Advanced Field Work	SOC 471	4

COURSES (SOC)**BASIC STUDIES**

1. Introduction to Modern Sociology
Recent developments in sociology, anthropology and social psychology. Social science and public issues. Fall. Credit, 3 semester hours.
3. Cultural Anthropology and Sociology in Education
Socio-cultural differences and similarities. Regional and local aspects. Socialization and enculturation. Ethnic and linguistic factors. School-community relations. Teaching problems and opportunities. Classroom applications. Fall. Credit, 3 semester hours.
2. Sociological Concepts
Human society. Relationships of society to personality and culture. Development of group life and social environments. Required of sociology majors. Spring. Credit, 3 semester hours.

202. Introduction to Cultural Anthropology

A survey of the various processes and conditions involved in cultural growth and change, including the relation between technology, religion, art, literature, language, and personality development. Emphasis is placed on human ecology and contacts between cultures. Fall. Credit, 3 semester hours.

II. GENERAL SOCIOLOGY

RESTRICTION: SOC 110, 309 and 490 cannot be used to meet General Sociology major requirements.

Community Development And Environmental Sociology**329. Introduction to Environmental Sociology**

A study of the social aspects of the natural environment. Environmental factors influencing societal development, and ideological conceptions which relate people to their surroundings are explored. The interdependence of culture and physical resources is stressed. Fall. Credit, 3 semester hours.

330. Social Change in Modern Society

Technological, ideological and social processes and transformations. Invention and discovery. Innovation and diffusion. Social contact, culture shock, and accommodation. Planned and unplanned change. Cultural drift. Functional and dysfunctional challenges and responses. Spring of 1981-82 and alternate years. Credit, 3 semester hours.

331. Population and Urbanization

A study of population size, structure, distribution, and the role of people in community development. Human ecology, rural sociology, and the global trend to urbanization are stressed. Fall 1981-82 and alternate years. Credit, 3 semester hours.

336. Political Sociology (PLS 336)

Social movements and institutionalized authority. Charisma and legitimation. Ideology and social structure. Mass persuasion, propaganda and pressure groups. Fall of 1982-1983 and alternate years. Credit, 3 semester hours.

337. Military Sociology

Civilian-military relations. Military government. Social organization of the armed forces. Leadership and morale. Sociological aspects of military training. Veterans' organizations. Spring 1982-83 and alternate years. Credit, 3 semester hours.

338. Social Stratification and Mobility

Horizontal and vertical segmentation. Caste, class, estate, and pluralism. Closed and open societies. Social mobility. Spring of 1982-1983 and alternate years. Credit, 3 semester hours.

Guidance**303. The Family**

Structure and functions of kin groups in societies. Types of families. Cooperation and conflict. The family in relation to other social institutions. Mate selection, courtship and family relationships. Stability and change. Fall of 1982-1983 and alternate years. Credit, 3 semester hours.

309. **Social Problems in Modern Society**
Social costs of organized social life. Problems in families, work groups, local communities, and modern nations. Sociology of mental disorders, suicide, drug abuse, alcoholism, etc. Poverty and violence. Spring. Credit, 3 semester hours.
310. **Sects, Cults and Religious Movements in America (REL 310)**
Prerequisite: SOC 201.
Restriction: Sociology majors only.
Fall of 1982-1983 and alternate years. Credit, 3 semester hours.
323. **Language and Society (CMA 381)**
Prerequisite: SOC 201.
Restriction: Sociology majors only.
Spring. Credit, 3 semester hours.
333. **Schools and Universities in Modern Society**
Sociology of education. Structure and functions of schools in societies. Types of schools. Cooperation and conflicts. Socialization, training and educational relationships. Stability and change. Spring of 1981-1982 and alternate years. Credit, 3 semester hours.
417. **Sociology of Religion (REL 417)**
Prerequisite: SOC 201.
Religious institutions and relationships in modern society. As announced. Credit, 3 semester hours.
459. **Minority Groups**
Ethnic, religious, racial and other minorities. Types of majority-minority relationships. Social integration, segregation, discrimination and prejudice. Spring. Credit, 3 semester hours.

Social Anthropology

58. **American Indians Before Columbus (AIS 358)**
Designed to trace the life and times of America's original inhabitants. Emphasis will be placed upon the Indians of North America, and especially the Southeastern United States. Students will have the opportunity to visit and participate in an archeological excavation. Spring of 1981-82 and alternate years. Credit, 3 semester hours.
55. **Advanced Cultural Anthropology**
Prerequisite: SOC 202 or equivalent.
Social and cultural anthropology. Trends in cultural theory. Social structure and dynamics. Ethnology and social institutions. Comparative ethnography. Ethnolinguistics. Applied cultural anthropology. Spring of 1982-83 and alternate years. Credit, 3 semester hours.

Method and Theory

10. **Introduction to Statistics (CSC 210)**
The same course as CSC 210. Credit, 3 semester hours.

390. **Junior Seminar on Sociological Concepts**
An intermediate-level course in sociological method and theory. Spring. Credit, 3 semester hours.
391. **Understanding Social Research**
Prerequisite: SOC 201. Recommended: SOC 340, 346, and 370.
The ethics, standards and methods of scientific inquiry in social research and the helping services. Particular emphasis is given to standards and methods to improve helping skills. The course is directed to the professional research needs of those preparing for careers in such areas as criminology, medical sociology and social work. A research project is required. As announced. Credit, 3 semester hours.
490. **Senior Seminar on Sociology Concepts**
An advanced course in sociological method and theory. Research paper required. Fall. Credit, 3 semester hours.

III. SPECIALTY CONCENTRATIONS

Criminology and Criminal Justice

340. **Introduction to Criminology**
Deviance in society. Structure and functions of social controls. Law enforcement and crime prevention. Rehabilitation of delinquents and criminals. Prison reform, probation and other trends in social justice. Fall. Credit, 3 semester hours.
341. **Juvenile Delinquency**
Prerequisite: SOC 340.
A study of alienated youth and anti-social conduct, to include the role of social pressures and peer groups in gang behavior. Treatment programs, community counter-measures, and the prevention of delinquency are stressed. Fall or Spring. Credit, 3 semester hours.
342. **Punishment and Correction of Criminals**
Prerequisite: SOC 340.
A study of imprisonment and other forms of punishment, to include the social organization of penitentiaries, jails, and reformatories. Probation, parole, and other forms of correctional treatment are stressed. Spring. Credit, 3 semester hours.
343. **Law Enforcement**
Prerequisite: SOC 340.
A study of police in society, to include the organization of police forces, centralized police power, organized crime, and the recruitment and training of police officers. Fall. Credit, 3 semester hours.
344. **Social Justice**
Prerequisite: SOC 340.
A study of the sociology of law, changing concepts of justice, courts and other legal organizations. The activities of lawyers, judges, and related occupations and professions are stressed. Fall. Credit, 3 semester hours.

62. **Crimes Without Victims**
Prerequisite: SOC 340.
Victimless crimes. Characteristics and consequences for society and the offender. Social and legal aspects in the United States with special emphasis on North Carolina. Fall or Spring. Credit, 3 semester hours.
64. **Probation, Parole, and Community Corrections**
Prerequisite: SOC 340.
Origins, development, and contemporary practices in probation, parole, and community corrections. Includes the impact of these services on other elements of criminal justice. As announced. Credit, 3 semester hours.
40. **Senior Seminar on Social Deviance and Counter-Measures**
Prerequisite: SOC 340.
Restriction: Seniors only.
A study of social pathology and associated treatments, to include deviant subcultures, the social sources of deviant attitudes and behavior, and visible and invisible deviance. Spring. Credit, 3 semester hours.
60. **Criminal Justice Administration**
Prerequisite: SOC 344.
Introductory study of the history, philosophy and state of the art of management and administration in criminal justice organizations. Introduces students to operational problems of criminal justice agencies, and provides possible solutions through programmatic evaluation and planning. This course is preparatory for field internships. Fall. Credit, 3 semester hours.

Medical Sociology

70. **Introduction to Medical Sociology**
A sociological analysis of health and illness. Topics covered include how persons respond to illness, health-care selection, social factors in therapy, and the social consequences of illness. Fall. Credit, 3 semester hours.
1. **Health-Care Occupations**
A study of the health-care division of labor and the changing role of doctors, nurses, hospital administrators, pharmacists, paramedical, and other health practitioners. Fall. Credit, 3 semester hours.
2. **Health-Care Delivery Systems**
Prerequisite: SOC 370 or permission of instructor.
An analysis of the structure and functioning of medical organizations and programs such as hospitals, private medical practice, health insurance, voluntary associations, professional associations, health maintenance organizations, and health system agencies. Fall of 1981-82 and alternate years. Credit, 3 semester hours.
3. **Preventive Health Practices**
Prerequisite: SOC 370 or permission of instructor.
A study of community problems and opportunities for health care and the social factors that mold health habits. Project development and implementation required. Spring. Credit, 4 semester hours.

374. **Social Dimensions of Disease Transmission**
Methods of conducting epidemiological investigations. Note: Equivalent to Principles of Epidemiology, sponsored by the Center for Disease Control, U.S. Public Health Service. Project development and implementation required. Fall of 1982-83 and alternate years. Credit, 4 semester hours.
375. **Death, Dying, and Chronic Illness**
Stages of personal adjustment to death. Dying as a social process. Therapy with the chronically and terminally ill. Social, economic, and psychological aspects of the funeral. The hospice is discussed. Field work is required. Fall. Credit, 4 semester hours.
376. **Medical Ethics (PHI 376)**
Prerequisite: SOC 370.
The same course as PHI 376. Credit, 3 semester hours.
377. **Drug Use and Abuse**
Prerequisite: SOC 370 or permission of instructor.
A study of the types and functions of pharmaceutical treatments. Drug addiction is analyzed as a social, psychological, and biological process. Spring. Credit, 3 semester hours.

Depending upon career objectives, other sociology courses such as "Client Contact" (and courses in other departments such as Biology, Physical Science and Business Administration) could be an important part of preparation for a career in health care.

Each student interested in Medical Sociology should see his advisor regularly in order to plan an individualized program of study.

Any students interested in pursuing graduate studies in Public Health Administration or Health Education should see the Medical Sociology faculty advisor for a suggested program of study.

Social Work

345. **Human Behavior and Social Environment**
Behavior in the socio-cultural psychological and biological contexts which determine life-cycle development and behavior. Human functioning in the social environment. Fall. Credit, 3 semester hours.
346. **Introduction to Social Work**
Historical and current overview of the social welfare system, and the field of social work. Basic social work concepts. Social welfare structure and services. Social work interventive methods. Fall. Credit, 3 semester hours.
348. **Social Welfare Policies and Programs**
Prerequisite: SOC 346.
Process of policy-making, programming, and planning. Social, cultural, economic and political influences on the social welfare system. Spring. Credit, 3 semester hours.
380. **Client Contact in Social Work I**
Prerequisite: SOC 346.
Social work methods for serving individuals, groups and communities. Fall. Credit, 3 semester hours.

83. **Child Welfare Services**
Prerequisite: SOC 346 is recommended.
Historical perspective on the development of our society's perception of children's needs. Current situation in social services for children. Fall. Credit, 3 semester hours.
84. **Social Gerontology**
Prerequisite: SOC 346 is recommended.
Problems and needs of the aged. Role of the social worker in planning and providing services. Analysis of existing programs. Students will be involved in the delivery of care to aged individuals. Spring. Credit, 3 semester hours.
85. **Client Contact in Social Work II**
Prerequisite: SOC 380.
A continuation of SOC 380. Spring. Credit, 3 semester hours.
83. **Supervision in Human Service Organizations**
Prerequisite: SOC 348.
A survey of administrative considerations such as manpower utilization, supervisor/worker interaction, and roles and functions of supervisors and workers. This course is suggested for students who presently are supervisors or expect to be in a supervisory position. As announced. Credit, 3 semester hours.
0. **Introduction to Field Work**
Prerequisites: SOC 348 and permission of instructor for social work placement; SOC 460 and permission of instructor for criminal justice placement. Learning experience in social or criminal justice agency. Students will develop some competence in the skills and processes used in practice, and will relate theory to experiences in the field. SOC 470 requires that the student receive at least 150 clock hours of supervised field work. Note: Pass/Fail basis. Fall. Credit, 4 semester hours.
1. **Advanced Field Work**
Prerequisite: SOC 470.
A continuation of SOC 470. SOC 471 requires that the student receive at least 150 clock hours of supervised field work. Note: Pass/Fail basis. Spring. Credit, 4 semester hours.

Sociology 303, 391 and 459 are also considered social work-type courses.

STUDENT-ORIGINATED STUDIES

7. **Experiential Learning I**
See Department Chairperson. Fall, Spring, Summer. Credit, 3 semester hours.
8. **Directed Research I**
Written acceptance by a supervising faculty member is required, based on the student's written proposal. A copy of the proposal, together with the faculty member's acceptance, is submitted for approval to the department chairman prior to registration. Fall, Spring, Summer. Credit, 1 semester hour.

399. Directed Research II
Same as above. Credit, 2 semester hours.
497. Experiential Learning II
See Department Chairperson. Fall, Spring, and Summer. Credit, 3 semester hours.
499. Independent Study in Sociology
Prerequisite: Acceptance by the department member who will supervise, and approval by the department chairman. See p. 45.
Restriction: Limited to seniors majoring in sociology whose overall cumulative quality point average is 3.0 or better. A written proposal is required in advance of registration. Fall, Spring, Summer. Credit, 3 semester hours.

Sociology opens doors to careers in criminology,
public health and social work.

Pembroke State University—An innovator in
medical sociology and environmental sociology.

IX. Special Programs

AEROSPACE STUDIES

Director: LT. COL. BOBBY E. BATTLE

OBJECTIVES

The objectives of the Aerospace Studies program are as follows:

1. To recruit, train and produce a highly qualified Air Force officer capable of performing effectively in his assigned Air Force specialty.
2. To provide a curriculum which is dynamic and responsive to the educational requirements of the Air Force junior officer.
3. To provide relevant pre-professional preparation for future Air Force officers in their freshman and sophomore years.
4. To provide relevant pre-professional preparation for future Air Force officers pursuing the Professional Officers' Course.
5. To stimulate the optimum development of military leadership among students through meaningful experience provided within a functional context.
6. To motivate students to pursue flying careers and to provide practical indoctrination in flight operations.

PROGRAM REQUIREMENTS

To be eligible for the General Military Course (GMC) each individual must:

1. Be a full-time student.
2. Be 14 years of age or older.
3. Be a U.S. citizen (there are provisions for aliens to participate in the GMC program).
4. Be of good moral character.
5. Meet University medical standards for admission to the institution.
6. Not have been disqualified by disenrollment from an officer training program.

To be eligible for the Professional Officers Course (POC), each individual must:

1. Be a full-time student and schedule to receive a baccalaureate degree.
2. Be a U.S. citizen.
3. Be of good moral character.
4. Be certified medically qualified by appropriate Air Force medical authorities.
5. Be at least 17 years of age.
6. Successfully complete either GMC or equivalent training and four week Field Training Course.

7. Attain a minimum qualifying score on the Air Force Officers Qualification Test.
8. Have two academic years remaining when entering the POC.
9. Be in good academic standing.

PROGRAM

The General Military Course (GMC) is an introductory level course dealing with mission, organization and function of the U.S. Air Force, and with development of air power into a prime element of national security. The GMC is developmental in nature and is designed to motivate and prepare cadets for entry into the Professional Officers Course. (POC) The standard GMC is a two-year course in Aerospace Studies (ARS). The first year is designated ARS 111 and 112 and the second year ARS 211 and 212. The GMC totals approximately 120 clock hours consisting of a suggested 60 hours of academics and 60 hours of Leadership Laboratory.

The POC subject matter includes a study of the United States Armed Forces' role in contemporary society along with the role of the professional officer as a member of society along with theoretical and applied leadership management and communicative skills. The POC's are designed to prepare cadets for active duty as Air Force Officers. It is a two-year course of instruction in Aerospace Studies (ARS) and is normally designated ARS 311 and 312 for juniors and ARS 411 and 412 for seniors. The POC totals approximately 240 clock hours, i.e., 120 hours per year consisting of 90 hours of academic and 30 hours of Leadership Laboratory.

Leadership Laboratory provides cadets with practical command and staff leadership experiences through performing various tasks within the framework of the organized Cadet Corps. Leadership Laboratory accounts for 120 hours of the 360 hours normally allocated to Aerospace Studies.

Field Training is an off-campus training program held at selected Air Force Bases during the summer. A six-week camp is conducted for all students entering the Air Force ROTC two-year program. All other cadets attend a four-week encampment. The Flight Instruction Program is an integral part of the Air Force ROTC program. The course is offered to a limited number of highly qualified ROTC cadets who are within (12) months of established commissioning date.

Under the two-year program selected students may be enrolled in the POC provided they have two full years of college remaining, and after completing a six (6) week Field Training encampment. Students contemplating enrollment in this program should do so prior to completion of the sophomore year in order to enter Field Training during the summer preceding the Fall semester of their junior year.

Uniforms and textbooks for Air Force ROTC are provided by the

Federal Government. All students enrolled in the final two years of Air Force ROTC are under contract and receive a retainer fee of \$100.00 per month.

A limited number of selected students enrolled in the Air Force ROTC program may qualify for scholarships.

All scholarships pay \$100.00 per month, tuition, and an annual textbook allowance. During the four or six weeks of Field Training Program, all students receive pay and travel allowance.

Students may transfer credits received in other ROTC units established under the provisions of the National Defense Act. ROTC credits may be used as free electives in any discipline. Prior to commissioning all students must complete requirements for and receive a baccalaureate degree or higher. In addition, each student must satisfactorily complete a course in mathematical reasoning prior to receipt of a commission. A list of these courses is available in the Aerospace Studies office.

Students enrolled in the program under a four year AFROTC Scholarship must satisfactorily complete a 3-credit hour course in English composition prior to the end of the GMC tenure in order to maintain scholarship entitlements. GMC cadets receiving scholarships of less than four years duration will have two academic years from scholarship activation to complete the English composition requirement. English composition courses satisfying this requirement are listed in the Aerospace Studies office.

COURSES (ARS)

111. Aerospace Studies

This is the initial course of study in the four year Air Force ROTC curriculum. This course is designed to familiarize the student with the mission, organization and doctrine of the U.S. Air Force and U.S. Strategic Offensive Force. Corps Training provides the cadet with experience in executing drill movements, knowledge of customs and courtesies expected of an Air Force member, career opportunities in the Air Force and the life of an Air Force Junior Officer. Fall. Credit, 1 semester hour.

112. Aerospace Studies

Study of U.S. Strategic Defensive Forces, U.S. General Purposes and Aerospace Support Forces including those of the Army, Navy, and Marine Corps. Training continues to stress emphasis on basic fundamentals needed for the cadet to be capable of assuming and discharging his responsibilities in Air Force ROTC functions and as a professional officer. Spring. Credit, 1 semester hour.

211. Aerospace Studies

Study of the history of manned flight up until the time that an independent Air Force was formed. The development of concepts and doctrine governing the employment of air power is emphasized. Corps Training places the student in leadership and teaching roles as a cadet non-commissioned officer and includes further study of the junior officer environment. Fall. Credit, 1 semester hour.

212. Aerospace Studies

Study of the major events involving air power from the Berlin airlift until the present. Understanding the effects of technology on air power and how the nation's objectives are supported by air power are emphasized. Preparation for Field Training is the objective of this courses's Corps Training. Spring. Credit, 1 semester hour.

211. Aerospace Studies

An integrated management and leadership course emphasizing the individual as a manager in an Air Force milieu. The communication and group dynamics are covered to provide a foundation for development of the Junior Officer's professional skills as an Air Force Officer. The basic managerial processes involving decision-making, utilization of analytical aids in planning, organizing, communicating and controlling in a changing environment are emphasized as necessary professional concepts. Alternate Fall. Credit, 3 semester hours.

12. Aerospace Studies

An integrated management and leadership course emphasizing the individual as a leader in an Air Force milieu. This course presents multidimensional approaches to the leadership process. Organizational power, politics, managerial strategy and tactics, military justice and administrative law are discussed within the context of the military organization. Actual Air Force cases are used to enhance the learning and communication processes. Alternate Spring. Credit, 3 semester hours.

11. Aerospace Studies

This course is composed of academic and military training. The academic portion includes an examination of military professionalism, civil-military interaction, the international and domestic environment affecting U.S. Defense Strategy. Within this structure, continuing attention is given to developing the communicative skills required by Junior Officers. Leadership in military drill and command is practiced. Alternate Fall. Credit, 3 semester hours.

2. Aerospace Studies

This course studies Air Force Officer classification and assignments, strategy and the management of conflicts, which include deterrence, arms limitation, limited wars and insurgency, the formulation and implementation of U.S. defense policy, organizational policymaking and case studies in policymaking. Continued military leadership opportunities are provided in the laboratory period. Alternate Spring. Credit, 3 semester hours.

MILITARY SCIENCE

Directors: LT. COL. RUDOLPH A. PITCHER
MAJOR HARVEY D. BIEN

The objectives of the Army ROTC Program are to attract, motivate, and prepare selected students to serve as commissioned officers in the active or reserve components of the Army; to provide practical understanding of the concepts and principles of military science; to develop a strong sense of duty, honor, and country; to promote teamwork and individual fitness; and to develop an understanding of and appreciation for international relations and national security. Attainment of these objectives prepares students for commissioning and establishes a solid foundation for their professional development and effective performance in the uniformed services or in civilian enterprise.

The Army ROTC Program is of modular construction and is composed of a Basic and an Advanced Course. Enrollment in the Basic Course is open to all full-time students, and it carries with it an obligation for military service. Completion of the Basic Course is a prerequisite for application into the Advanced Course. Prior military service, high school ROTC, or membership in a National Guard or Reserve unit may result in direct Advanced Course placement. Entrance into the Advanced Course is selective and is based upon demonstrated performance and leadership potential. Students who satisfactorily complete the Advanced Course and graduate from the University are commissioned as Second Lieutenants.

COURSES (MSC)**BASIC COURSE****201. Military Management**

Instruction on the organizational structure of the U.S. Army, its goals, traditions, history, customs, tactics and mission. Instruction is also given in the psychology and principles of leadership and management, emphasizing the duties, responsibilities and meaning of becoming a commissioned officer. Cross-enrollment. Credit, 3 semester hours.

ADVANCED COURSES**301. Leadership Development**

Prerequisite: Completion of ROTC Basic Course, Basic Camp or equivalent. Instruction is presented in the psychology and principles of leadership and management, emphasizing behavioral science approach. Cadets learn the fundamentals and techniques of military instruction/briefings to include effective writing, receive instruction in advanced land navigation, tactical co

munications systems, artillery, drill and ceremonies, and physical conditioning. Cross-enrollment. Credit, 3 semester hours.

302. Tactics

Prerequisite: Completion of MSC 301 or equivalent.

Advanced students survey the branches of the U.S. Army and study current small-unit tactical doctrine and weaponry. Cross-enrollment. Spring. Credit, 3 semester hours.

401. Military Science

Prerequisite: Completion of MSC 301 or 302.

Advanced cadets study the organization of unit staffs to include operations, functions, and role in the military establishment, application of military forces using combined arms units: Infantry, Armor, and Artillery. Surveys the military justice system and court-martial procedures. Cross-enrollment. Fall. Credit, 3 semester hours.

402. Military Science

Prerequisite: Completion of MSC 401.

Advanced cadets study the U.S. Army commissioned officer's obligations and responsibilities. Instruction is provided on current U.S. Army tactical doctrine and specialized operations. Cross-enrollment. Spring, 3 semester hours.

PERSONNEL AND ORGANIZATIONAL LEADERSHIP

Coordinators: CHANG H. CHO
DONALD E. KELLEY
KATHRYN K. RILEIGH

The Departments of Psychology, Business Administration, and Political Science 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; 5) a theoretical understanding of organizational structure and the forces that influence it.

COURSES**A. Psychology (9 hours)**

- PSY 104, Tactics and Strategies in Learning
- PSY 216, Introduction to Social Psychology
- PSY 315, Human Motivation
- PSY 316, Psychology of Leadership
- PSY 317, Psychology of Social Communication
- PSY 350, Practicum in Applied Psychology
- PSY 403, Introduction to Psychological Testing

B. Management/Administration (9 hours)

- BUS 307, Principles of Management
- BUS 308, Organizational Theory and Behavior
- BUS 408, Personnel Management
- BUS 466, Business Policy
- ECN 407, Economics of Labor
- PLS 210, Introduction to Public Administration
- PLS 314, Personality and Politics
- PLS 319, Public Policy and Analysis
- PLS 360, Introductory Internship in Public Administration

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

Students majoring in any subject are eligible to participate in the Personnel and Organizational minor. Those who are interested should consult with the department chairman from either Psychology, Business Administration, or Political Science. Since many courses in the minor have prerequisites that can be taken to meet basic study requirements, early planning will be to the student's advantage.

UNIVERSITY HONORS PROGRAM

Director: RICHARD C. PISANO

UNIVERSITY HONORS COUNCIL

DUNCAN LEE FOREST
JOHN E. REISSNER

RUDY D. WILLIAMS

COURSES (UHP)

200. Great Cultural Epochs (Required for University Honors Program)

Prerequisite: Admission to University Honors Program.

This course will be an interdisciplinary examination of the cultural contributions of selected epochs. The great works and ideas will be studied from the perspectives of history, philosophy, literature, art, and music to determine the essence of each period and its contribution to man's understanding of himself. Fall. Credit, 3 semester hours.

225. Prospects of the Future (Required for University Honors Program)

Prerequisite: Admission to the University Honors Program.

This seminar will provide an opportunity to explore possible future discoveries and their impact on society. A multi-disciplinary approach will be used, including projections about the natural sciences, social sciences, and humanities. Particular emphasis will be placed on intercorrelations among the trends in the various fields. Fall. Credit, 3 semester hours.

250. Structures of the Universe (Required for University Honors Program)

Prerequisite: Admission to the University Honors Program.

A course designed to trace man's understanding of his physical and mathematical universe. Historical and present day theories, as well as the men behind these theories will be studied. Theories of the evolution of the universe, philosophical aspects, time, distance, light, gravitation, and the mathematics through differential calculus will be developed. Spring. Credit, 3 semester hours.

275. Individual and Collective Man (Required for University Honors Program)

Prerequisite: Admission to the University Honors Program.

This seminar will provide an opportunity to investigate man's behavior from an individual standpoint as well as his behavior vis-a-vis social and political groups. Methods for studying human behavior in the social and political sciences will be surveyed. Subsequent explorations will center around current personality theories, motivational factors, social cooperation, international conflict, prejudice, conformity, altruism, and man's participation in war. Issues regarding individual freedom versus social/political control will emerge as central themes. Spring. Credit, 3 semester hours.

400. Research Methods and Prospectus (Required for University Honors Program)

Prerequisites: Senior Honors Status and minimum of six semester hours of UHP credit.

Students receive work in research methodology in humanities, social sciences, mathematics, natural sciences and computer techniques. A thesis prospectus is written. Students select the major professor in their discipline to serve as thesis advisor. Final draft of prospectus submitted to Honors Council two weeks before the end of the semester. Fall. Credit, 3 semester hours.

450. Senior Honor Thesis/Project (Required for University Honors Program)

Prerequisites: UHP 400 and Honors Council acceptance of student's prospectus.

The student prepares the thesis/project as approved by the Honors Council. The work should be completed by midsemester. The student will prepare five copies of the thesis or description of the project, one for the professor who has supervised, one for the Library, and three for the Honors Council. When the major professor and the department chairman have signed a statement that the thesis/project meets the department's standards for research, creativity, composition and style, the Honors Council will schedule an oral examination for the student to defend the work.

WORLD STUDIES PROGRAM*Coordinator:* JOHN CHAY

A total of 21 unduplicated semester hours are required for the satisfactory completion of the minor in World Studies. The requirements are divided into two groups of courses:

COURSES**World Studies Program (WSP)****1. Specified Courses, 9 semester hours:**

251. Introduction to World Politics (Crosslisted with PLS 251)
Prerequisite: PLS 100 or 101.
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.
50. Introduction to Intercultural Relations
An examination of the ways in which aspects of contemporary culture affect a region or a country in international relations. Major themes of crosscultural, comparative cultural, and intercultural relations will also be studied. Fall, Spring. Credit, 3 semester hours.
50. Seminar in International and Intercultural Relations
Prerequisite: Approval of the Program Coordinator.
Research seminar for the students' experience in formulating, designing, and implementing meaningful research projects in international and intercultural relations. A substantial paper will be prepared and presented to the Seminar and World Studies faculty. Fall, Spring. Credit, 3 semester hours.

2. Elective Courses, 12 semester hours:

Twelve semester hours approved by the coordinator and noted in the minor advisement file of the student. A minimum of 12 unduplicated semester hours will be chosen from a list of selected courses in:

Biology
Communicative Arts
Economics and Business Administration
Geography

History
Political Science
Philosophy and Religion
Sociology



X. Graduate Program

THE GRADUATE PROGRAM

Director: W. HOWARD DEAN

Pembroke State University offers a program of graduate studies leading to the Master of Arts in Education degree and graduate-level certification for Early Childhood Education teachers, Intermediate Education teachers, Supervisors and School Administrators. The graduate program was established in response to the needs of public school educators in this region of the state. The graduate program is planned as an outgrowth of its strong undergraduate programs in teacher education, which are fully accredited by the National Council for the Accreditation of Teacher-Education, the North Carolina State Department of Public Instruction, the Southern Association of Colleges and Schools, and the American Association of Colleges of Teacher Education.

ADMISSIONS**General Admission Requirements**

For admission to a graduate degree program at Pembroke State University, the applicant must meet the following requirements:

1. each applicant must have a baccalaureate degree from a college or university of recognized standing;
2. the application for admission, official copies of transcripts of previous study, and other supporting documents should be submitted at least four weeks *prior* to the semester or summer session in which the applicant proposes to begin graduate study;
3. applicants must have a satisfactory undergraduate academic record and must meet at least one of the following minimum GPA (4.0 scale) requirements: have an overall GPA of 2.5 on all undergraduate work, or have a GPA of 3.0 in the undergraduate major, or have a GPA of 3.0 on all undergraduate work taken in the senior year;
4. applicants must submit an official report of satisfactory scores on the Miller Analogies Test or the Graduate Record Examination;
5. applicants must hold or be eligible to hold a North Carolina Class A teaching certificate appropriate for graduate study in the proposed field or a comparable certificate in another state;
6. three letters of recommendation from school officials, professors, or others qualified to evaluate the applicant's potential for graduate study (At least one of the letters of recommen-

dation must come from the applicant's undergraduate major department);

7. other information such as a personal interview may be required.

Each student admitted to the graduate study program is immediately assigned an advisor by the Director of the Graduate program. Members of the graduate faculty serve as graduate advisors, and advisors are assigned according to the graduate academic major. Graduate students are expected to meet with their advisor prior to enrollment to plan their program and to meet with their advisor periodically for further advisement.

SCHEDULE OF EXPENSES

GRADUATE PROGRAM

Regular Session

Semester

Semester hrs.	In-State	Out-Of-State
3	\$ 69.00	\$315.00
6	123.00	615.00
9	250.00	995.00

(A returned check charge of \$5.00 will be levied on each returned check.)

Students Living on Campus

Add: Room, Linen, & Board	\$605.00	\$605.00
---------------------------------	----------	----------

SCHEDULE OF EXPENSES

GRADUATE PROGRAM

Summer Sessions

(Each five-week summer term)

Semester hrs.	In-State	Out-Of-State
3	\$ 86.00	\$332.00
6	140.00	632.00

(A returned check charge of \$5.00 will be levied on each returned check.)

Student Activity Fee

The above charges include a mandatory \$22.00 activity fee which includes services such as infirmary, student center, student government, and gym fee.

Residence Status for Tuition Payment

It is a long-standing practice of the State to require students who

are not residents of the State to pay a higher rate of tuition than the charged North Carolina residents. To qualify for in-state tuition, the applicant must generally have lived in North Carolina for a minimum period of twelve months immediately prior to his or her enrollment at an institution of higher learning. During this twelve-month period the applicant's presence in the State must constitute legal residence in accordance with the University's guidelines as prescribed by the General Assembly. Copies of the applicable North Carolina law and institutional regulations which govern such classification determinations are available in the Office of Admissions for inspection upon request. The student requesting in-state residence is responsible for being familiar with the contents of these two courses.

REQUIREMENTS FOR THE MASTER'S DEGREE

Degree Requirements

1. Candidates for the Master of Arts in Education degree will be required to successfully complete a minimum of thirty semester hours of course work in accordance with the prescribed curriculum of study.
 - a. A minimum of twenty-four semester hours of graduate credit must be earned in courses designed for graduate students (500 level courses).
 - b. If necessary, the remainder of a student's program in graduate studies may be composed of courses designated as senior-graduate courses (prescribed 400 level courses).
 - c. No more than three semester hours of graduate credit earned in workshop courses may be applied toward the Master's degree.
 - d. Courses numbered 500 and above are graduate courses with the following number system: EDN 500-510, courses in educational administration and supervision; EDN 511-550, courses in curriculum and instruction; EDN 550-555, courses in educational psychology; and EDN 560-570, courses in foundations and research (EDN 599, Independent Study). Additional graduate courses by departments for concentration development and related areas are also numbered 500 and above.
2. Residence credit

Candidates must have completed one semester of residence as a graduate student at Pembroke State University. Graduate students may satisfy the residency requirement by being continuously enrolled and completing twelve semester hours of graduate work.

study or by being intermittently enrolled and completing fifteen semester hours of graduate study.

3. Degree time limits

Graduate credit applied toward a Master's degree should have been completed within five years preceding the completion of the requirements for the degree.

4. Credits by transfer, extension or correspondence

The combined total of graduate credit earned in another recognized graduate school and through extension study and allowed by the Graduate Council to apply toward a Master's degree may not total more than six semester hours.

No credit applied toward a graduate degree may be obtained by correspondence study.

No graduate study credit earned at another recognized graduate school and transferred to Pembroke State University or no graduate study credit earned through extension will be allowed by the Graduate Council to apply toward meeting the residence requirement for a Master's degree.

5. Comprehensive examination

A candidate for the Master of Arts in Education degree, in addition to the regular examinations in courses taken for graduate credit, must pass a written comprehensive examination.

The comprehensive examination must be administered at least four weeks before the end of the semester in which the candidate expects to receive the degree but may be given earlier with the approval of the candidate, his advisor, and the Director of the Graduate Program.

If a thesis is written, the candidate must defend it before a committee consisting of the candidate's advisor as chairman, at least one representative from his major and one other graduate faculty member. The candidate's advisor, with the approval of the Director of the Graduate Program will assemble the committee and conduct the examination of the candidate on his thesis.

6. Thesis

A thesis may be accepted for the Master of Arts in Education degree.

Three to six semester hours of graduate credit in the student's major may be earned in preparation of the thesis and applied toward the requirements for a Master's degree.

A thesis project must be approved by the graduate student's advisor and by his thesis committee.

The advisor will supervise the preparation of the prospectus of the thesis, approve it, submit it to the graduate student thesis committee for approval, direct the student in the preparation of the thesis, assemble and chair the committee for the oral examination of the student on his thesis, inform the student of the calendar dates when the final copies of the thesis are due in the Graduate Program Office, and inform him of the graduate studies program and University rules which apply.

A minimum of three copies of the thesis—the original and two copies, carbon or acceptable electrographic, (one for student, one for archives, one for circulation)—and an abstract must be in the hands of the Director of the Graduate Program at least two weeks before the commencement at which the degree is to be conferred. Two of the copies must be bound and will be retained by the University. Binding will be arranged by the library and the student will be charged at actual cost.

7. Application for graduation

Application for graduation must be filed in the Office of the Director of the Graduate Program not later than four weeks after the beginning of the semester or the summer session in which the candidate expects to receive the degree.

8. Conferring of degrees

Candidates for the degree are required to be present at the commencement exercises in the prescribed dress.

Graduate Grading System

The grading system for the graduate studies program shall be as follows:

A—Superior

B—Satisfactory

C—Poor

F—Failure

Inc.—Course work incomplete, must be removed within one year after the end of the course or the Inc. becomes an F.

WP—Withdrew passing

WF—Withdrew failing

T—Grade pending, used only for thesis research courses until the sequence of courses is completed.

A graduate student with an accumulation of nine semester hours less than B quality work will be automatically eliminated as a candidate for a Master's degree.

A graduate student who makes an F will be eliminated as a candidate.

date for a Master's degree except when it is recommended that he be accepted or continued as a candidate by a committee composed of his advisor and two other graduate faculty members and when the commendation is approved by the Graduate Council.

PROGRAM OF STUDY

The Master of Arts in Education degree may be conferred upon a candidate for the degree who completes the prescribed program of work for the specialties described by the following curricula. Each program requires the successful completion of *at least* thirty semester hours of graduate study inclusive of course work and a thesis, if one is written, as planned and approved by his thesis committee.

Elementary Education (Early Childhood Education)

	Sem. Hrs.
a. Required Education Core: EDN 516, 519, 551, 556	12
b. Guided Electives from Education Emphasizing Early Childhood Education	9-12
c. Guided Electives from Appropriate 400 and 500 Level Courses in American Indian Studies, Art, Biology, Communicative Arts, Economics, Geology and Geography, Health, Physical Education and Recreation, History, Home Economics, Mathematics, Music, Philosophy and Religion, Physical Science, Psychology and Sociology	6-9
d. Thesis	0-6
e. Independent Study	0-3
TOTAL (minimum)	30
f. Prospectus	
(1) Required	12
(a) EDN 516 Curriculum Development (K-3)	
(b) EDN 519 Language Development and Reading in the Elementary School (K-3)	
(c) EDN 551 Diagnosis and Evaluation of Pupils and Programs (K-3)	
(d) EDN 566 Educational Research	
(2) Guided Electives from Education Emphasizing Early Childhood Education	9-12
(a) EDN 517 Arithmetic in the Elementary School (K-3)	
(b) EDN 518 Fine Arts in the Elementary School (K-3)	
(c) EDN 520 Science in the Elementary School (K-3)	
(d) EDN 521 Social Studies in the Elementary School (K-3)	
(e) EDN 524 Seminar: Trends and Issues in Elementary Education (K-3)	
(f) EDN 525 Practicum in Elementary Education (K-3)	
(g) EDN 534 Diagnosis and Correction of Reading Difficulties (K-3)	
(h) EDN 550 Advanced Educational Psychology	
(i) EDN 565 History and Philosophy of Education	

- (3) Guided Electives from Appropriate 400 and 500 Level Courses in American Indian Studies, Art, Biology, Communicative Arts, Economics, Geology and Geography, Health, Physical Education and Recreation, History, Home Economics, Mathematics, Music, Philosophy and Religion, Physical Science, Political Science, Psychology and Sociology
 - (a) American Indian Studies: Appropriate 400 Level Courses
 - (b) Art: Appropriate 400 Level Courses
 - (c) Biology
 - /1/ Appropriate 400 Level Courses
 - /2/ BIO 512, Environmental Science
 - (d) Communicative Arts: Appropriate 400 Level Courses
 - (e) Economics
 - /1/ Appropriate 400 Level Courses
 - /2/ ECN 551, Economic Policies
 - (f) Geology and Geography
 - /1/ Appropriate 400 Level Courses
 - /2/ GGY 503, Descriptive Regional Analysis
 - /3/ GLY 501, Earth Science
 - (g) Health, Physical Education and Recreation
 - /1/ Appropriate 400 Level Courses
 - /2/ HPE 505, Principles of Health and Physical Education
 - (h) History
 - /1/ Appropriate 400 Level Courses
 - /2/ HST 510, Advanced North Carolina History
 - (i) Home Economics: Appropriate 400 Level Courses
 - (j) Mathematics: Appropriate 400 Level Courses
 - (k) Music: Appropriate 400 Level Courses
 - (l) Philosophy and Religion: Appropriate 400 Level Courses
 - (m) Physical Science
 - /1/ Appropriate 400 Level Courses
 - /2/ PHS 520, Current Trends in Physical Science
 - (n) Political Science
 - /1/ Appropriate 400 Level Courses
 - /2/ PLS 540, Systems of State and Local Government
 - /3/ PLS 545, American Political Process
 - (o) Psychology
 - /1/ Appropriate 400 Level Courses
 - /2/ PSY 525, Advanced Study of Human Growth and Development
 - /3/ PSY 530, Psychology of Group Dynamics
 - (p) Sociology
 - /1/ Appropriate 400 Level Courses
 - /2/ SOC 545, Cultural Differences and Education
- (4) Thesis
- (5) Independent Study
- TOTAL (minimum)

2. Elementary Education (Intermediate Education)

Sem. F

- a. Required Education Core
 - (1) EDN 516 Curriculum Development (4-9)
 - (2) EDN 519 Language Development and Reading in the Elementary School (4-9)
 - (3) EDN 551 Diagnosis and Evaluation of Pupils and Programs (4-9)

- (4) EDN 566 Educational Research
- b. Guided Electives from the Subject Matter Areas of Art, Education, Health and Physical Education, Language Arts, Mathematics, Music, Reading, Science, Social Studies, Special Education, and Speech and Drama 12-18

Study in these areas should represent an extension of the undergraduate areas of concentration. Candidates may choose one twelve hour area of concentration with six hours of related electives, or two areas of concentration consisting of nine hours each.

- (1) Twelve semester hour concentrations with six semester hours of related electives are available in:
- (a) Language Arts
- /1/ Two appropriate 400 level courses from Communicative Arts plus
 - /2/ EDN 519, 529, and 532 plus
 - /3/ EDN 528 or 534 or 599
- (b) Reading
- /1/ One appropriate 400 level course from Education plus
 - /2/ EDN 519, 529 and 532 plus
 - /3/ EDN 528 or 534 or 599
- (c) Science
- /1/ Two appropriate 400 level courses from Biology and/or Geology and/or Physical Science plus
 - /2/ EDN 520 plus
 - /3/ BIO 512 or EDN 599 plus
 - /4/ GLY 501 or EDN 599 plus
 - /5/ PHS 520 or EDN 599
- (d) Social Studies
- /1/ Two appropriate 400 level courses from Economics and/or History and/or Political Science and/or Sociology plus
 - /2/ EDN 521 plus
 - /3/ ECN 551 or EDN 599 plus
 - /4/ HST 510 or EDN 599 plus
 - /5/ PLS 540 or 545 or EDN 599 plus
 - /6/ SOC 545 or EDN 599
- (2) Nine semester hour concentrations are available as follows: however, if the student has selected two nine semester hour concentrations instead of one eighteen semester hour concentration, one of the concentrations must include at least three semester hours credit for EDN 599.
- (a) Art
- /1/ Two appropriate 400 level courses from Art plus
 - /2/ EDN 518
- (b) Health and Physical Education
- /1/ Two appropriate 400 level courses from Health and Physical Education plus
 - /2/ HPE 505
- (c) Language Arts
- /1/ Two appropriate 400 level courses from Communicative Arts plus EDN 519 or EDN 599; or
 - /2/ EDN 519, 529, 532, or 599
- (d) Mathematics
- /1/ Two appropriate 400 level courses from Mathematics plus
 - /2/ EDN 517

(e) Music	/1/ Two appropriate 400 level courses from Music plus	
	/2/ EDN 518	
(f) Reading	/1/ EDN 519, 529, or 527 or 532, and 534, or	
	/2/ EDN 529 or 527 or 532, 534, and 528	
(g) Science	/1/ Two appropriate 400 level courses from Biology	
	and/or Geology and/or Physical Science plus EDN 520	
	or 599; or	
	/2/ Two of the following three courses: BIO 512,	
	GLY 501, and PHS 520; plus EDN 520 or 599	
(h) Social Studies	/1/ Two appropriate 400 level courses from Economics	
	and/or History and/or Political Science and/or	
	Sociology, plus EDN 521 and 599; or	
	/2/ Two of the following courses:	
	ECN 551; HST 510; PLS 535, 540, 545; SOC 545;	
	plus EDN 521 or 599	
(i) Special Education	/1/ Two appropriate 400 level courses from Special	
	Education plus	
	/2/ EDN 512	
(j) Speech and Drama	/1/ Two appropriate 400 level courses from	
	Communicative Arts plus	
	/2/ EDN 518	
c. Thesis	0.
d. Independent Study	0.
TOTAL (minimum)	3.

3. Educational Administration and Supervision (Administration)

	Sem. Hr.
a. Required Education Core: EDN 500, 501, 502, 506, 516, and 566	1
b. Guided Elective from Educational Psychology or Psychology
c. Guided Electives from Economics, Geography, History, Political Science, Psychology, and Sociology	3.
d. Guided Electives in Subject Matter or Professional Education	3
e. Thesis	0.
f. Independent Study	0.
TOTAL (minimum)	3.
g. Prospectus	
(1) Required
(a) EDN 500 Educational Leadership	
(b) EDN 501 Principles of Supervision	
(c) EDN 502 Legal Structures in Education	
(d) EDN 506 Internship and Seminar in Administration	
(e) EDN 516 Curriculum Development	
(f) EDN 566 Educational Research	
(2) Guided Elective from Education Psychology or Psychology
(a) EDN 550 Advanced Educational Psychology	
(b) PSY 530 Psychology of Group Dynamics	
(c) PSY 525 Advanced Study of Human Growth and Development	0.

(3) Guided Electives from Business Administration, Economics, Geography, History, Political Science, Psychology, Sociology and appropriate (400-500) level courses from the graduate programs of study	3-9
(a) ENC 551 Economic Policies	
(b) GGY 503 Descriptive Regional Analysis	
(c) PLS 535 Advanced Public Administration	
(d) PLS 540 Systems of State and Local Government	
(e) PLS 545 American Political Process	
(f) Appropriate (400-500) level courses from the graduate programs of study	
(4) Guided Electives in Subject Matter or Professional Education	3-9
(a) EDN 503 School Finance	
(b) BUS 408 Personnel Management	
(c) EDN 505 School Facilities	
(d) EDN 551 Diagnosis and Evaluation of Pupils and Programs	
(e) EDN 565 History and Philosophy of Education	
(f) Appropriate (400) level courses from the programs of study	
(g) Appropriate (500) level courses from the graduate programs of study	
(5) Thesis	0-6
(6) Independent Study	0-3
TOTAL (minimum)	<u>30</u>

4. Educational Administration and Supervision (Supervision)

	Sem. Hrs.
a. Required Education Core: EDN 500, 501, 502, 507, 516, and 566	18
b. Guided Electives in Educational Psychology and Psychology	3-6
c. Guided Electives in Fine Arts, Geography, Language, Arts, English, Mathematics, Science, Social Sciences, and Subject Related Electives in Education	9-12
d. Thesis	0-6
e. Independent Study	0-3
TOTAL (minimum)	<u>30</u>
f. Prospectus	
(1) Required	18
(a) EDN 500 Educational Leadership	
(b) EDN 501 Principles of Supervision	
(c) EDN 502 Legal Structures in Education	
(d) EDN 507 Internship and Seminar in Supervision	
(e) EDN 516 Curriculum Development	
(f) EDN 566 Educational Research	
(2) Guided Electives from Educational Psychology and Psychology	3-6
(a) EDN 550 Advanced Educational Psychology	
(b) EDN 551 Diagnosis and Evaluation of Pupils and Programs	
(c) PSY 530 Psychology of Group Dynamics	
(d) PSY 525 Advanced Study of Human Growth and Development	

(3) Guided Electives in Fine Arts, Geography, Language Arts, English, Mathematics, Science, Social Sciences, Subject Related Electives in Education, and appropriate (400-500) level courses from the graduate programs of study	9-1
(a) EDN 517 Arithmetic in the Elementary School	
(b) EDN 518 Fine Arts in the Elementary School	
(c) EDN 519 Language Development and Reading in the Elementary School	
(d) EDN 520 Science in the Elementary School	
(e) EDN 521 Social Sciences in the Elementary School	
(f) BUS 408 Personnel Management	
(g) EDN 565 History and Philosophy of Education	
(h) Appropriate (400-500) level courses from the graduate programs of study	
(4) Thesis	0-
(5) Independent Study	0-
TOTAL (minimum)	3

COURSE DESCRIPTIONS

1. EDUCATION DEPARTMENT (EDN)

a. Curriculum and Instruction

Note: Wherever the symbol (K-3; 4-9) appears it will mean that the course emphasis will be on early childhood education or intermediate education in accordance with the certification sought by the student.

512. Advanced Study of Exceptionality in Children

Advanced study of exceptionality in the school-age population including in depth research and reporting on at least one of the types of exceptionality

516. Curriculum Development

Principles, techniques, trends and innovations which have emerged in the field of curriculum construction and revision. Implications of basic social philosophical, and psychological factors in curriculum planning and organization; historical background; techniques of curriculum planning and development. The student will acquire competency in the employment of techniques and practices to improve instruction, such as core curriculum, culture epochs correlation of subject matter, and unit construction.

517. Arithmetic in the Elementary School (K-3; 4-9)

A study of the origin and development of the fundamental operations and of the number system of modern mathematics with particular emphasis on the theory of rational integers, divisibility, and the simpler properties of prime numbers. Emphasis will be given to research dealing with problems, methods and content of modern mathematics instruction.

518. Fine Arts in the Elementary School (K-3; 4-9)

A course designed to acquaint the graduate student with the philosophy trends, and practices of a general fine arts program in the public school curriculum. Lecture and laboratory.

19. **Language Development and Reading in the Elementary School (K-3; 4-9)**
Development of a dynamic language arts program tied into the total background and school experience of the child. The program will include the total language arts program in its various interrelationships. Included are the interactions of children of all ages, the child's search for appropriate linguistic construction, and writing and reading developed through growing perceptual skills and tied to the developing vocabularies of individual children. Listening, speaking, discussing, spelling, writing, and reading through choice and involvement.
20. **Science in the Elementary School (K-3; 4-9)**
A combination of subject matter, materials, and methods for teaching science in the elementary school.
21. **Social Studies in the Elementary School (K-3; 4-9)**
An overview of the total program in Social Studies education for children in early childhood and intermediate age groups. Emphasis given to content, materials, and methods of teaching the social studies.
24. **Seminar: Trends and Issues in Elementary Education (K-3; 4-9)**
A research seminar in which students and professor explore together the trends and issued issues evident in elementary education. Students will investigate, discuss, and present their findings, and prepare a written analysis of their research.
25. **Practicum in Elementary Education (K-3; 4-9)**
Students will experiment with innovation practices and procedures in the classroom in consultation with and supervision by college personnel. Results and conclusions will be discussed and evaluated and reported in a major term paper.
27. **Practicum in Reading Instruction**
Designed for the graduate student with previous teaching experience and who is interested in pursuing research in the area of reading.
28. **Planning the School's Reading Program**
A study and evaluation of selected curricula and programs in reading and the planning of a total school reading program.
29. **Problems in the Investigation of Reading Instruction**
Investigations are made of the literature and research dealing with the teaching of reading in the elementary and secondary classrooms. The course includes a critical examination of the scientific studies, the nature of the reading act, and factors that facilitate effective reading instruction.
32. **Seminar: Reading Problems**
This course is designed for the classroom teacher, principal, supervisor, or reading teacher. It is intended to serve as a problems course in which the needs, interests and concerns of the students will be considered in the selection of topics to be studied and the emphasis given to the different topics.

534. **Diagnosis and Correlation of Reading Difficulties (K-3; 4-9)**
This course will assist the teacher of reading in locating causes of reading difficulties and prescribing corrective procedures. It is designed to give the classroom teacher practical application of methods in solving reading problems. It will include sample lessons and demonstration of remedial methods.

b. Educational Administration and Supervision

500. **Educational Leadership**
Required of candidates for the Master of Arts in Education degree who are preparing for certification as principals or supervisors. Emphasis is given to educational purposes, school program development, group leadership functions, management of school facilities, community-school interaction, and intra-school and interschool coordination.
501. **Principles of Supervision**
Analysis of issues, problems, and practices in supervision of instruction. Development and synthesis of a conceptual structure for guiding group process and individual leadership behavior in curriculum research and development, in-service education, and evaluation of teaching and learning.
502. **Legal Structures in Education**
Constitutional, statutory, and case law bases of educational administration; a study of legal provisions and principles relating to education of all levels. Includes research and analysis of laws dealing with pertinent educational topics.
503. **School Finance**
Problems relating to financing public education; theory of taxation, types of taxes; current practices of educational finance; federal, state and local support of education; formulas for distribution of school aids; budget; procuring revenue; financial capital outlays. Financing school plant construction; maintenance of the plant; insurance of property; taking inventory; and school supplies. Includes the construction of a school budget.
505. **School Facilities**
Study of the problems involved in financing the construction of school facilities, the procurement of architectural services, the cooperative development of educational specifications, and the construction of school facilities. Includes the management of school facilities for maximum and optimal use; planning for equipment acquisition, circulation and maintenance; and the analysis of the facilities problems of schools and school systems.
- 506, 507. **Internship and Seminar in Administration and/or Supervision**
The internship is a significant part of the Master's program in Administration and Supervision, involving experiences under the supervision of a selected professional practitioner chosen for the internship. The internship is coordinated by a University faculty member. Plans for the internship must be made in advance with the faculty advisor, after appropriate course work, and in terms of available practicum opportunities in instructive and administrative aspects of an individual school and/or school system and approved by the Office of the Graduate program.

c. Educational Psychology**50. Advanced Educational Psychology**

Prerequisites: Introduction to educational psychology and the psychology of early childhood, or childhood, or adolescence.

A course designed especially for teachers, supervisors, and administrators reviewing modern principles of educational psychology, with particular attention to theories of learning, individual differences, assessment of behavior, personal and social adjustment, and their application to problems of school learning at any level of responsibility.

51. Diagnosis and Evaluation of Pupils and Programs

Use and interpretation of teacher-made and standardized tests for the diagnosis, prescription, implementation, evaluation, and improvement of classroom instruction in elementary and secondary schools. Emphasis is given to the determination of instructional objectives; test construction, administration, and scoring; and the analysis and use of scores for individualized instruction, program planning, grouping, and grade assignment. The course also includes the study of the simple statistics of test construction and interpretation.

d. Foundations and Research**60. Sociological Foundations of Education**

Contemporary social problems and subcultures which relate to patterns of public education. A sociological analysis of the nature of the school and its impact on the community and on patterns of instruction. Anthropological and sociological materials will be employed.

65. History and Philosophy of Education

Traces the history of educational thought and practice in the western world from ancient times to the present. Included are analysis and interpretation of important elements of modern education derived from leading philosophies throughout history.

66. Educational Research

Required of all candidates for the Master of Arts in Education degree. Emphasis is given to research design and methods in education, the reading of statistical terminology in professional literature, and the interpretation and application of educational research. Use of library resources, evaluation of educational research, and an introduction to elementary statistics are included.

99. Independent Study

An independent study of the problems and issues of education relevant to the student's major study area or areas of concentration carried out by the student at the University and in the field under the supervision of his major advisor.

2. ADDITIONAL COURSES BY DEPARTMENTS FOR CONCENTRATION DEVELOPMENT AND RELATED AREAS

a. Biology Department (BIO)

512. Environmental Science

Studies of air, soil and water pollution, including work being undertaken to remedy these problems; wildlife and soil conservation; and human ecology, particularly as related to the population problems of the world today.

b. Business Administration and Economics Department (ECN)

551. Economic Policies

This course provides a comprehensive survey of the most significant relationships between the government sector and other parts of the American economy. Topics discussed include the following: Types of government, the nature of the private enterprise system and the role of government therein, the legal background for government action, the effects of politics and pressures, policies for economic growth, the problem of inflation, public and private debt, taxation, farm policy, labor legislation, consumer interests, conservation or natural resources, social security, foreign economic policy, and national defense. Significant current events and developments in economic policy are discussed as they occur.

c. Geology (GLY) and Geography (GGY) Department

501. Earth Science (GLY)

Advanced study of the processes that control the seasons, the atmosphere, the weather, the wind systems of the world, the oceans, volcanic activity, earthquakes, and the formation of rocks and minerals.

503. Descriptive Regional Analysis (GGY)

Qualitative definition of geographical regions in the light of human interests: Physical, biotic, demographic and socio-cultural determinants; the relevance of regional factors for planning and policy issues in education, government, the economy, and the general welfare.

d. Health and Physical Education Department (HPE)

505. Principles of Health and Physical Education

Designed to acquaint students with the philosophy, the aims, the objectives, the principles, and the practices of an effective health and physical education program in the public schools.

e. History Department (HST)

510. Advanced North Carolina History

An advanced study of the development of North Carolina from colonial beginnings to the present.

f. Physical Science Department (PHS)

520. Current Trends in Physical Science

A lecture-discussion presentation of current developments and trends in chemistry and physics.

g. Political Science Department (PLS)

35. **Advanced Public Administration**
Emphasis is given to critical examination and analysis of principles, behavior, and problems and issues of public organization, management, and responsibility in the context of the American political system.
40. **Systems of State and Local Government**
Systematic survey of municipal, county, special district, and state governments, with special emphasis on critical examination of their roles and problems in the decision-making process of respective political subdivisions.
45. **American Political Process**
Examination of American political and governmental institutions and analysis of their process, relationship, and roles in the dynamics of the political system.

h. Psychology Department (PSY)

25. **Advanced Study of Human Growth and Development**
An exploration in-depth into developmental theory coupled with intensive study through observation and research of the age level most appropriate to the credential sought. There will be a basic test on developmental theory to provide a common core. This will be supplemented by extensive related reading and other appropriate activities.
30. **Psychology of Group Dynamics**
This course will deal with the dynamics of interpersonal relationships within small groups. Emphasis will be on the person's perception of himself in relation to the group and the group's perception and reaction to the individual member. Theoretical and practical case studies will be investigated. Role playing will be emphasized.

i. Sociology Department (SOC)

45. **Cultural Differences and Education**
Sociological analysis of the educator's problems of insight and judgment when dealing with students, parents, townspeople, or colleagues who come from different cultural backgrounds; specific focus upon the problems of ethnocentrism as encountered by classroom teachers and administrators; explanation of teaching situations in terms of culture theory and crosscultural communication.



The Faculty

THE FACULTY

The listing that follows includes full-time members of the faculty and administrative officers who hold faculty rank or who teach. The date indicated is the year of initial appointment.

- GEORGE T. AMMONS (1965), *Assistant Professor, Department of Business Administration and Economics*
B.S., UNC-Chapel Hill; CPA, State of North Carolina
- CHARLES D. BASS (1971), *Associate Professor and Chairman, Department of Mathematics*
B.S., B.A., Carson-Newman College; Ph.D., University of Tennessee
- BOBBY E. BATTLE (1980), *Professor, Aerospace Studies Program (Air Force ROTC)*
B.S., North Carolina A&T University; M.S., Central Michigan University
- PAUL J. BERGHOFF (1975), *Associate Professor, Department of Education*
B.A., M.A., Ph.D., University of Michigan
- HARVEY D. BIEN (1980), *Assistant Professor, Military Science Program (Army ROTC)*
B.A., University of Mississippi
- ELEANOR BLAKELY (1979), *Instructor, Department of Sociology*
B.A., Salem College; M.S.S.W., University of Louisville
- **GERALD C. BORLAND (1968), *Professor Emeritus, Department of Geology and Geography*
B.A., Pennsylvania State University; M.S., University of Arizona
- JOHN R. BOWMAN (1979), *Instructor, Department of Sociology*
B.A., University of Kentucky; M.S., Florida State University
- MARY P. BOYLES (1977), *Assistant Professor, Department of Communication Arts; Director of College Opportunity Program*
A.B., Ph.D., UNC-Greensboro; M.A., UNC-Chapel Hill
- ROBERT F. BRITT (1960), *Professor and Chairman, Department of Biology*
A.B., M.A., Ph.D., UNC-Chapel Hill
- ROBERT W. BROWN (1979), *Assistant Professor, Department of History*
B.A., UNC-Chapel Hill; M.A., Marshall University; M.A., Ph.D., Duke University
- ELLEN JANE BRYAN (1970), *Associate Professor, Department of Health, Physical Education and Recreation*
B.S., Pembroke State University; M.A.E., East Carolina University
D.A. Middle Tennessee State University
- WILLIAM ROBERT BULLARD, JR. (1966), *Assistant Professor, Department of History*
B.A., St. Andrews Presbyterian College; M.A., UNC-Chapel Hill
- LOREN L. BUTLER II (1966), *Assistant Professor, Department of History*
B.A., M.A., University of Arkansas; Ph.D., Candidate, University of South Carolina

- MARY M. BUXTON (1977), *Assistant Professor, Department of Education*
B.S., M.A., Appalachian State University; Ed.D., Ball State University
- LORIE M. CANONIZADO (1976), *Instructor, Department of Health, Physical Education and Recreation*
B.S., Philippine Normal College; M.A.Ed., East Carolina University
- OTIS G. CARNES (1959), *Professor Emeritus, Departments of Philosophy and English*
B.A., Stephen F. Austin College; B.D., Yale University; Th.D., Boston University
- JAMES B. CHAVIS (1972), *Assistant Professor and Vice Chancellor for Student Affairs*
B.S., Pembroke State University; M.A.Ed., East Carolina University; Ed.D., Duke University
- JOHN CHAY (1969), *Professor and Chairman, Department of History*
A.B., M.A., M.A.L.S., Ph.D., The University of Michigan
- SHANG H. CHO (1968), *Professor and Chairman, Department of Political Science*
LL.B., Yonsei University; M.A., American University; D.P.A., George Washington University
- ANNIE H. COATES (1973), *Lecturer, Department of Business Administration and Economics*
B.S., St. Andrews Presbyterian College; M.A.Ed., University of Georgia
- DONALD E. COLE (1978), *Instructor, Department of Art*
B.A., University of Chattanooga; M.A.Ed., Ed.D., Candidate, University of Georgia
- RODIA P. COLLINS (1967), *Professor, Department of Education*
B.A., M.Ed., UNC-Chapel Hill; Ed.D., Duke University
- DONALD W. CRAIN (1965), *Professor, Department of Health, Physical Education and Recreation*
B.S., M.A., Appalachian State University; Ed.D., West Virginia University
- JOSE J. D'ARRUDA (1974), *Associate Professor, Department of Physical Science*
B.S., Lowell Technological Institute; M.S., Ph.D., University of Delaware
- WILLIAM H. DASHIELL (1976), *Associate Professor, Department of Education*
B.A., M.A., Ph.D., University of Maryland
- WILLIAM H. DEAN (1968), *Professor and Director of Graduate Studies*
B.S., M.A., East Carolina University; Ed.D., West Virginia University
- ROBERT A. DELGROSSO (1978), *Instructor, Department of Political Science*
B.A., Fordham University; M.A., Ph.D. Candidate, Michigan State University
- DOLPH L. DIAL (1958), *Associate Professor and Chairman, Department of American Indian Studies*
B.A., Pembroke State University; Ed.D., C.A.G.S., Boston University

- BEN JAY DRYMON (1977), *Associate Professor, Department of Education and Director of Student Teaching*
B.S., Davidson College; M.Ed., Ph.D., UNC- Chapel Hill
- ALBERT D. DUNAVAN (1965), *Associate Professor, Department of Communicative Arts*
B.S., M.A., University of Nebraska
- JAMES B. EBERT (1956), *Associate Professor, Department of Biology*
B.S., Louisiana State University and A & M College; A.M., Duke University
- CARLETTA T. EDWARDS (1970), *Assistant Professor, Serials Librarian*
B.A., M.S.L.S., North Carolina Central University
- ANNIE MERLE W. ELAM (1968), *Assistant Professor and Chairman, Department of Home Economics*
B.S., Pembroke State University; M.S., UNC-Greensboro
- DAVID K. ELIADES (1967), *Assistant Professor, Department of History*
A.B., UNC-Chapel Hill; M.A., East Carolina University; Ph.D. Candidate, University of South Carolina
- HAROLD T. ELLEN (1967), *Assistant Professor, Department of Health Physical Education and Recreation*
A.B., Elon College; M.A., East Carolina University
- BILLIE F. EVANS (1967), *Assistant Professor and Assistant Director of Library Technical Services*
B.S., East Carolina University; M.S., Appalachian State University
- JAMES S. FARMER (1957), *Associate Professor, Department of Communicative Arts*
B.A., M.A., UNC-Chapel Hill
- MARJORIE L. FARMER (1965), *Assistant Professor, Department of Communicative Arts*
B.A., Tift College; M.A., UNC-Chapel Hill
- CARL M. FISHER (1967), *Professor, Department of Education*
B.S., M.S., Ph.D., Florida State University
- DUNCAN L. FOREST (1977), *Assistant Professor, Department of Psychology*
B.A., University of Texas; M.A., Ph.D., University of Maryland
- PAUL K. FREIWIRTH (1962), *Professor, Department of History*
Th.D., Atlantic Union College; M.A., Potomac University; Ph.D., University of Maryland
- WILLIAM F. FRITZ (1974), *Assistant Professor, Department of Music*
B.M., California Institute of the Arts; M.A., California State University
D.M.A. Candidate, University of Miami
- LACEY E. GANE (1965), *Associate Professor, Department of Health, Physical Education and Recreation; Director of Athletics*
B.A., Elon College; Ed.M., UNC-Greensboro
- GRACE E. GIBSON (1966), *Assistant Professor, Department of Communicative Arts*
B.A., UNC-Greensboro; M.A., Duke University
- PAUL R. GIVENS (1979), *Chancellor*
B.A., M.A., George Peabody College; Ph.D., Vanderbilt University

- JOSEPH W. GOLDSTON (1977), *Assistant Professor, Department of Mathematics*
B.S., M.S., Ph.D., UNC-Chapel Hill
- IBSON H. GRAY (1971), *Professor, Department of Political Science*
B.B.A., University of Texas; M.A., Ph.D., Columbia University
- GNES O. GREENE (1968), *Assistant Professor, Department of Home Economics*
B.S., Florida Southern College; M.A., Northern Michigan University
- AGNOLIA O. GRIFFITH (1970), *Assistant Professor, Department of Business Administration and Economics*
B.S., M.A., Appalachian State University
- OBERT K. GUSTAFSON (1969), *Professor and Chairman, Department of Philosophy and Religion*
B.A., University of California; M.Div., Th.M., Th.D., Union Theological Seminary
- GEORGE L. HARPER (1976), *Assistant Professor, Department of Philosophy and Religion*
B.A., Randolph Macon College; M.Div., Yale University; Ph.D., Duke University
- UL B. HERRICK, JR. (1978), *Assistant Professor, Department of Political Science*
B.A., Denison University; M.A., Northwestern University; Ph.D., Tulane University
- BERT C. HERSCH (1980), *Associate Professor and Director of Library Services*
B.A., Harpur College; M.A., Ph.D., New York University; M.L.S., George Peabody College
- MES F. HUBBARD (1965), *Associate Professor, Department of Psychology*
B.A., M.A., University of Richmond; B.D., Union Theological Seminary; Th.M., Pittsburgh Theological Seminary
- AMES A. JACOBS (1937), *Professor Emeritus, Department of Mathematics*
B.S., Murray State College; Ed.M., Duke University
- ARLES R. JENKINS (1971), *Associate Professor and Dean of Academic Affairs for Programs and Faculty Development*
B.S., M.A.E., East Carolina University; Ed.D., Duke University
- DORIS B. JOHNSON (1966), *Professor Emeritus, Department of Music*
B.M., Syracuse University; Ed.M., The University of Buffalo
- ENNETH P. JOHNSON (1964), *Professor Emeritus, Department of Health, Physical Education and Recreation*
B.S., Cortland State Teachers College; Ed.M., St. Lawrence University; Pe.D., Indiana University
- ENGLISH E. JONES (1956), *Professor and Chancellor Emeritus*
B.S., University of Kentucky; M.S., North Carolina State University; L.L.D., Wake Forest University
- E JONES (1966), *Instructor and Associate Dean of Student Affairs*
B.S., M.A., East Carolina University

- CHESTER I. JORDAN (1979), *Assistant Professor, Department of Communicative Arts*
 B.A., Emory and Henry College; M.A., University of Wyoming; Ph.D., Bowling Green State University
- ROBERT LOUIS KEBER (1979), *Instructor, Department of Geology and Geography*
 B.A., M.A., UNC-Chapel Hill
- BONNIE A. KELLEY (1977), *Assistant Professor, Department of Biology*
 B.S., North Georgia College; M.Ed., Ph.D., University of Georgia
- DONALD E. KELLEY (1976), *Associate Professor and Chairman, Department of Business Administration and Economics*
 B.S., M.B.A., Ph.D., University of South Carolina
- PAUL W. KILLIAN, JR. (1967), *Associate Professor and Acting Chairman, Department of Psychology*
 A.B., M.A., East Carolina University; Ph.D., North Carolina State University
- JAMES R. KRABILL (1971), *Professor, Department of Mathematics*
 B.A., Miami University (Ohio); M.A., Ph.D., Duke University
- DAVID K. KUO (1966), *Professor, Department of Biology*
 B.S., National Taiwan University; M.F., Ph.D., University of Georgia
- ELIZABETH H. KUO (1967), *Associate Professor, Department of Geology and Geography*
 B.S., National Taiwan University; M.A., University of Georgia; Ph.D., UNC-Chapel Hill
- JESSE M. LAMM (1969), *Professor, Department of Education*
 B.S., M.A., East Carolina University; Ed.D., New York University
- NORMAN R. LAYNE, JR. (1977), *Assistant Professor, Department of Sociology*
 B.A., M.A., Ph.D., University of Georgia
- THOMAS J. LEACH (1975), *Assistant Professor and Chairman, Department of Communicative Arts*
 B.S., U.S. Naval Academy; M.A., Ph.D., UNC-Chapel Hill
- WILLIAM R. LEE, JR. (1978), *Lecturer, Department of Health, Physical Education and Recreation and Head Basketball Coach*
 B.S., Atlantic Christian College; M.A.Ed., East Carolina University
- **LOIS B. LEWIS (1963), *Professor Emeritus, Department of Communicative Arts*
 B.A., M.A., University of Akron; Ed.S., George Peabody College
- DONALD R. LITTLE (1974), *Associate Professor, Department of Education*
 A.B., Mercer University; M.Ed., Ed.D., University of Georgia
- **NORMAN W. MACLEOD (1967), *Professor Emeritus, Department of Communicative Arts*
 B.A., University of New Mexico; M.A., Teachers College Columbia University
- JEROME A. MCDUFFIE (1965), *Associate Professor, Department of History*
 B.A., Pembroke State University; M.A., Wake Forest University; Ph.D., Kent State University

ROBERT THOMAS MCEVOY (1980), *Lecturer, Department of Health, Physical Education and Recreation*

B.S., Kent State University; M.A.Ed., East Carolina University

JOSEPH A. MCGIRT (1965), *Assistant Professor, Department of Biology*

B.S., Pembroke State University; M.A., George Peabody College

WILLIE MCNEILL, JR. (1976), *Assistant Professor, Department of Education*

B.S., Livingstone College; M.S., North Carolina A. and T. University;

D.Ed., Pennsylvania State University

NATHAN ANDRE MAISONPIERRE (1979), *Instructor, Department of Music*

B.M., Ohio Wesleyan University; M.M., D.M.A. Candidate, University of

Maryland

JOSEF L. MANDEL (1972), *Assistant Professor, Department of Communicative Arts*

B.A., Pembroke State University; M.A., Ph.D., UNC-Chapel Hill

STEPHEN M. MARSON (1977), *Assistant Professor, Department of Sociology*

B.A., Ohio Dominican College; M.S.W., Ohio State University; ACSW

RUTH MARTIN (1953), *Associate Professor, Department of Philosophy and Religion*

B.A., Meredith College; M.R.E., Southwestern Baptist Theological

Seminary; M.A., Emory University

AROLD D. MAXWELL (1967), *Associate Professor, Department of Biology*

B.S., M.S., Tennessee Polytechnic Institute; Ph.D., North Carolina State

University

AROLD D. MAYNOR (1973), *Associate Professor and Chairman, Department of Education*

B.A., Pembroke State University; M.A., Appalachian State University;

Ed.D., University of Miami

BERT D. MAYNOR (1972), *Lecturer, Department of Business Administration and Economics*

B.S., Pembroke State University; M.B.A., Columbia University

ANNE H. MICHELETTI (1980), *Assistant Professor, Department of Music*

B.A., San Jose State; M.A., University of California, Berkeley; Ph.D.,

University of Miami

ROCH C. MORRIS, JR. (1977), *Assistant Professor, Department of Communicative Arts*

B.F.A., Memphis State University; M.F.A., Wayne State University

THEW C. MORRISON (1977), *Associate Professor, Department of Communicative Arts*

B.A., David Lipscomb College; M.A., Indiana State University; Ph.D.,

Indiana University

W. L. MURRAY (1965), *Professor Emeritus, Department of Education*

B.A., Atlantic Christian College; M.A., East Carolina University; Ed.D.,

University of Florida

WALTER S. MUSGROVE (1966), *Assistant Professor and Night Librarian*

B.A., University of Florida; B.A., Pembroke State University; LL.B.,

Blackstone School of Law; M.S.L.S., Atlanta University

- ANDRE J. NADEAU (1969), *Professor, Department of Health, Physical Education and Recreation*
B.A., Appalachian State University; M.A., New York University; Ph.D. University of Iowa
- MICHAEL BARRY O'BRIEN (1979), *Instructor, Department of Business Administration and Economics*
B.S., Pembroke State University; Ph.D. Candidate, University of South Carolina
- HAROLD M. OLSON (1971), *Assistant Professor, Department of Health, Physical Education and Recreation*
B.A., Coe College; M.S., Wayne State University
- **CLIFTON OXENDINE (1939), *Professor Emeritus, Department of History*
B.A., McKendree College; M.A., George Peabody College
- KATHERINE M. PASCO (1980), *Instructor, Department of Art*
B.F.A., University of Georgia; M.S., George Peabody College; M.F.A. UNC-Greensboro
- BARNEY K. PAUZE' (1980), *Instructor, Department of Sociology*
B.A., M.A., Ph.D. Candidate, The University of Iowa
- STEVE ALAN PAX (1980), *Instructor, Department of Mathematics*
B.S., Knox College; Ph.D. Candidate, The University of Tennessee
- H. RHODES PEELE, JR. (1978), *Assistant Professor, Department of Mathematics*
B.S., N.C. State University; M.S., Ph.D., UNC-Chapel Hill
- RAYMOND B. PENNINGTON (1963), *Professor and Chairman, Department of Health, Physical Education and Recreation*
B.S., East Carolina University; Ed.M., UNC-Chapel Hill; Ed.D., Duquesne University
- FRANCIS L. PFEIFER (1966), *Associate Professor, Department of Music*
A.B., Panhandle A & M College; M.A., University of Wyoming; D.M.E. Chicago Musical College
- RICHARD CHARLES PISANO (1967), *Professor and Dean of Academic Affairs for Administration*
B.S., State University of New York at Potsdam; M.Ed., Florida State University; Ed.D., Columbia University
- **GEORGE W. POLHEMUS (1977), *Professor Emeritus, Department of Communicative Arts*
B.A., M.A., University of Mississippi
- ANDREW RANSOM (1956), *Associate Professor, Department of Physical Science*
B.S., Pembroke State University; Ed.M., Ohio State University
- ELMA L. RANSOM (1958), *Associate Professor, Department of Music*
B.S., M.A., Ohio State University
- ROBERT W. REISING (1971), *Professor, Department of Communicative Arts*
B.A., Michigan State University; M.A., University of Connecticut; Ed.D. Duke University
- JOHN ERIC REISSNER (1976), *Assistant Professor, Department of Physical Science*
A.B., Harvard College; Ph.D., University of California

- KATHRYN K. RILEIGH (1973), *Associate Professor and Chairman, Department of Psychology*
B.A., M.A., Ph.D., Vanderbilt University
- JOHN RIMBERG (1971), *Professor, Department of Sociology*
B.A., Harvard College; M.A., Ph.D., Columbia University
- ANDREA KAY ROBINSON (1979), *Lecturer, Department of Health, Physical Education and Recreation*
B.S., Mars Hill College; M.A., Appalachian State University
- BERT L. ROMINE (1974), *Associate Professor and Chairman, Department of Music*
B.S., M.A., Northeast Missouri State University; Ph.D., University of Iowa
- THOMAS E. ROSS (1969), *Associate Professor and Chairman, Department of Geology and Geography*
B.A., M.S., Marshall University; Ph.D., University of Tennessee
- LYMOND J. RUNDUS (1970), *Professor, Department of Communicative Arts*
B.A., College of Emporia; M.A., Wayne State University; Ph.D., University of Nebraska
- WINNIE T. RUSSELL (1969), *Professor, Department of Education*
A.B., Oberlin College; B.D., Seabury-Western Theological Seminary; S.T.M., The University of the South; Ph.D., Indiana University
- BERT L. SAMPSON (1966), *Assistant Professor, Department of Mathematics*
B.S., Pembroke State University; M.A., University of Arkansas; Ph.D., New York University
- CHARLES CLAUDE SCHAEFFER (1980), *Lecturer, Department of Health, Physical Education and Recreation*
B.A., Washington and Lee University; M.A., Appalachian State University
- FRANK A. SCHMALLEGER (1975), *Associate Professor and Chairman, Department of Sociology*
B.B.A., University of Notre Dame; M.A., Ph.D., Ohio State University
- VINCENT R. SCHULTZ (1978), *Assistant Professor, Department of Education*
B.S., Bowling Green State University; M.A., Ph.D., University of South Florida
- WINNIE H. SIGMON (1976), *Assistant Professor, Department of Communicative Arts*
A.B., High Point College; M.A.T., Appalachian State University; Ph.D., Purdue University
- WALTER C. SLAGLE (1969), *Professor, Department of Music*
B.M.E., M.M., University of Nebraska; Ed.D., University of Illinois
- BRUCE F. STANLEY (1976), *Assistant Professor, Department of Philosophy and Religion*
B.S., North Carolina State University; M.A., Ph.D., UNC-Chapel Hill
- PHILIP L. STEEDS (1975), *Assistant Professor, Department of Art*
B.A., Central State University; M.F.A., University of Oklahoma

- SHELBY DEAN STEPHENSON (1978), *Associate Professor, Department of Communicative Arts and Editor, Pembroke Magazine*
B.A., UNC-Chapel Hill; M.A., University of Pittsburgh; Ph.D., University of Wisconsin-Madison
- MICHAEL LINWOOD STRATIL (1979), *Assistant Professor, Department of Psychology*
B.A., University of Florida; M.A., Ph.D., University of Florida
- P. ALBERT STUDDARD (1970), *Professor, Department of Philosophy and Religion*
B.A., Mercer University; B.D., New Orleans Baptist Seminary; M.A., University of Louisville; Ph.D., Southern Baptist Theological Seminary
- KATHRYN MARIE SULLIVAN (1980), *Assistant Professor, Department of Education*
B.S., M.Ed., Edinboro State College; Ph.D., University of Georgia
- HAROLD J. TEAGUE (1970), *Professor, Department of Physical Science*
B.S., Methodist College; M.S., Ph.D., North Carolina State University
- NORMA J. THOMPSON (1963), *Associate Professor and Dean of Admission and Registration*
B.S., Pembroke State University; M.A., Appalachian State University; Ph.D., Georgia State University
- THOMAS MCLEAN THOMPSON (1980), *Lecturer, Department of Health, Physical Education and Recreation*
B.S., Pembroke State University; M.A., Western Carolina University
- EUGENE C. TOLBERT (1975), *Assistant Professor, Department of Communicative Arts*
B.A., M.A., Ph.D., UNC-Chapel Hill
- WILLIAM P. TULNER (1978), *Professor of History and Vice Chancellor for Academic Affairs*
A.B., A.M., Ph.D., West Virginia University
- PAUL VAN ZANDT (1969), *Associate Professor and Chairman, Department of Art*
B.F.A., Oklahoma State University; M.F.A., Tulane University
- JOHN S. WALLINGFORD (1970), *Professor and Chairman, Department of Physical Science*
B.Phys., M.Ed., University of Minnesota; M.S., Ph.D., Florida State University
- GEORGE R. WALTER (1967), *Associate Professor, Department of Music*
B.S., West Virginia University; M.M., Indiana University; Ph.D., West Virginia University
- JOHN W. WARD III (1975), *Instructor, Department of Business Administration and Economics*
B.A., B.M., St. Andrews Presbyterian College; M.B.A., Wake Forest University
- MAUDE ANN WEBB (1967), *Assistant Professor, Department of Health, Physical Education and Recreation; Director of Women's Athletics*
B.S., M.A., East Carolina University

- WALTER LEONARD WEISBERG (1975), *Assistant Professor, Department of Political Science*
B.A., Franklin and Marshall College; M.A., University of Chicago; Ph.D., University of Texas-Austin
- ANN REAVES FENNEGAN WELLS (1960), *Associate Professor, Department of Communicative Arts*
B.A., Coker College; M.A., East Carolina University
- ROBERT C. WESS (1976), *Associate Professor, Department of Communicative Arts*
B.A., Duns Scotus College; M.A., Xavier University; Ph.D., University of Notre Dame
- DEAN WILLIAMS (1980), *Assistant Professor and Assistant Director of Public Services*
B.A., Erskine College; M.L.S., University of Tennessee
- STUDY D. WILLIAMS (1968), *Associate Professor, Department of Communicative Arts*
B.A., Millsaps College; M.A., University of Mississippi; Ph.D., UNC-Chapel Hill
- MARY JO DEWITT WILSON (1980), *Instructor, Department of Mathematics*
B.S., Pembroke State University; M.A.T., UNC-Chapel Hill
- JUDITH L. WISH (1975), *Assistant Professor, Department of Education*
B.S., Campbell College; M.Ed., UNC-Chapel Hill; Ed.D., Duke University
- PETER WISH (1977), *Assistant Professor, Department of Physical Science*
B.S., Campbell College; M.S., Ph.D., North Carolina State University
- VICTOR W. WOLF (1958), *Associate Professor, Department of Business Administration and Economics*
M.B., Handelskandidat, Sivilokonom Norges Handelshoyskole
- RYLVESTER W. WOOTEN (1977), *Associate Professor and Director of Continuing Education, Extension and Summer Session*
B.S., Winston-Salem State University; M.S., Virginia State College; Ed.D., University of Virginia

*On Leave for 1980-81 Academic Year

**Professor Emeritus

**Chancellor Emeritus

PART-TIME FACULTY

- JAMES A. BATTLE, JR. (1976), *Part-Time Lecturer, Department of Business Administration and Economics*
B.S., The Citadel; M.B.A., University of South Carolina
- LAUDE W. BERRY, JR. (1979), *Part-Time Lecturer, Department of Mathematics*
B.S., M.A.Ed., Pembroke State University
- ELLIE GLENN BISHOP (1980), *Part-Time Lecturer, Department of Business Administration and Economics*
B.S., Pembroke State University; M.B.A., UNC-Chapel Hill

- DEXTER BROOKS (1977), *Part-Time Lecturer, Department of Business Administration and Economics*
B.S., M.S., North Carolina State University; J.D., UNC-Chapel Hill
- HARVEY BURGESS (1980), *Part-Time Lecturer, Department of Communicative Arts*
Journalist
- MARY B. JENNINGS (1980), *Part-Time Lecturer, Department of Sociology*
B.A., M.S.W., UNC-Chapel Hill
- GARY L. LOCKLEAR (1980), *Part-Time Lecturer, Department of Business Administration and Economics*
B.S., Pembroke State University; M.A., Appalachian State University
J.D., UNC-Chapel Hill
- DORIS P. NANCE (1977), *Part-Time Lecturer, Department of Art*
Professional Photographer
- DENNIS V. O'BRIEN (1973), *Part-Time Lecturer, Department of Psychology*
B.A., Marist College; M.A., St. Bonaventure University; Ph.D., North Carolina State University
- GARRETT E. PAUL (1980), *Part-Time Lecturer, Department of Philosophy and Religion*
A.B., Wabash College; A.M., Ph.D., University of Chicago
- MICHAEL R. SELLON (1977), *Part-Time Lecturer, Department of Sociology*
B.A., Bemidji State University; M.A., Northern Illinois University
- VINCENT W. WINNIES (1980), *Part-Time Lecturer, Department of Music*
B.S., Pembroke State University.

**SUMMARY OF ENROLLMENT
1980-81**

SUMMER SESSION, 1980

First Term	1056
Second Term	815
Total number enrolled	1871

Ohio	1
Pennsylvania	3
South Carolina	22
South Dakota	1
Virginia	9
Washington	1

FIRST SEMESTER, 1980-81

Freshmen	650
Sophomores	458
Juniors	400
Seniors	495
Special	122
Graduate	176
Total number enrolled	2301

FOREIGN COUNTRIES ... 9

**ENROLLMENT BY COUNTIES
OF NORTH CAROLINA**

**SECOND SEMESTER,
1980-81**

Freshmen	494
Sophomores	455
Juniors	378
Seniors	430
Special	200
Graduate	180
Total number enrolled	2137

Alamance	5
Anson	9
Beaufort	1
Bladen	74
Brunswick	5
Buncombe	2
Cabarrus	1
Carteret	1
Catawba	3
Chatham	2
Cherokee	1
Columbus	84
Craven	3
Cumberland	334
Davidson	5
Davie	1
Duplin	6
Durham	7
Edgecombe	1
Forsyth	4
Franklin	1
Gaston	1
Guilford	15
Halifax	4
Harnett	5
Haywood	1
Henderson	1
Hoke	75
Hyde	1
Iredell	3
Johnston	2
Lee	4
Lenoir	3
McDowell	3
Martin	1
Mecklenburg	14
Mitchell	1
Montgomery	7
Moore	32
Nash	5
New Hanover	1
Northampton	1

**DEGREES CONFERRED,
May, 1980**

Master of Science and Applied Science	15
Master of Science	265
Master of Arts	123
Master of Arts	8
Total number of degrees conferred	411

**PEMBROKE STATE
UNIVERSITY ENROLLMENT**

Men	957
Women	1344
AND TOTAL	2301

ENROLLMENT BY STATE

California	1
Florida	4
Georgia	3
Kentucky	2
Maryland	5
Massachusetts	1
Michigan	2
New Jersey	7
New York	8
North Carolina	2222

Onslow	11	Stokes	
Pasquotank	1	Surry	
Pender	2	Transylvania	
Pitt	1	Union	
Polk	2	Vance	
Randolph	8	Wake	
Richmond	66	Warren	
Robeson	1199	Watauga	
Rockingham	2	Wayne	
Rowan	1	Wilkes	
Sampson	21	Wilson	
Scotland	133	Yancey	
Stanly	1		

INDEX

- Academic Eligibility43
 Academic Regulations42
 Accreditation Inside Cover
 Adding Courses45
 Administrative Officers15
 Admissions Process32
 Aerospace Studies234
 Air Force ROTC Program55
 American Indian Studies90
 Army ROTC Program56
 Art Department93
 Athletics62
 Auditing30

 Bachelor of Science in
 Applied Science35
 Basic Studies Requirements53
 Biology Department100
 Buildings and Grounds27
 Business Administration
 Department109
 Business Education114

 Cafeteria69
 Calendar6
 Career Planning and
 Placement71
 Certification of Teachers135
 Chemistry203
 Class Attendance46
 Classification of Students42
 Clubs, Fraternities, Sororities
 and Campus Activities63
 College Level Examination
 Program32
 College Opportunity Program33
 Communicative Arts
 Department118
 Computer Science178
 Contents3
 Continuing Education38
 Cooperative Education
 Program58
 Counseling Services69
 Cultural Programs62
 Curricula and Degrees52
 Curriculum Laboratory135

 Dean's List44
 Degrees Granted52
 Discipline71
 Dramatics126
 Dropping Courses45

 Economics116
 Educational Philosophy of PSU26
 Education Department133
 English Education129
 English Proficiency Test47
 Enrollment, Summary of275
 Experiential Learning57

 Faculty264
 Falsification, Penalty for32
 Fees83
 Financial Aid76
 Financial Obligation83
 Fraternities66
 French130

 General Information24
 Geography152
 Geology151
 Grading System42
 Graduate Program246
 Graduation, Requirements for47

 Health, Physical Education and
 Recreation Department155
 Health Services69
 Historical Sketch24
 History Department162
 Honorary Organizations65
 Honors55, 241
 Housing66

 Independent Study45
 Internships58

 Loan Funds79
 Location25

 Majors52
 Mathematics Department172
 Military Degree Completion
 Program35
 Military Science240
 Minors54
 Music Department180

 National Teacher Examination135

 Part-Time Students37
 Personnel and Organizational
 Leadership240
 Philosophy and Religion
 Department191

Physical Education and Recreation	155	Special Programs	38, 233
Physical Science Department	201	Special Students	36
Physics	204	Speech	129
Placement Services	71	Student Employment	81
Political Science Department	207	Student Fees	82
Professional Semester	134	Student Finances	76
Psychology Department	218	Student Government	62
Quality Point Averages	43	Student Housing	66
Reading Center	136	Student Life and Affairs	62
Reading Education	138	Student Load	42
Readmission Procedures	36	Student Teaching	133
Refund Policy	86	Summer Fees	84
Registration	44	Summer Session	37
Religion	196	Teacher Education Program	133
Religion Organizations	65	Transfer Students	34
Residence Status	83	Trustees	15
Scholarships	76	Tuition	84
Scholastic Requirements, Minimum	43	Tuition Waiver	82
Social Studies Requirement for Certification	163	University of N.C., The	13
Sociology Department	223	University Honors Program ...	55, 241
Sororities	66	Vehicle Registration	72
Spanish	131	Veterans	81
Special Education (K-12)	145	Withdrawal Policy	46
		World Studies Program	243

Pembroke State University is dedicated to equality of opportunity within its community. Accordingly, Pembroke State University does not practice or condone discrimination, in any form, against students, employees, or applicants on the ground of race, color, national origin, religion, sex, age, or handicap. Pembroke State University commits itself to positive action to secure equal opportunity regardless of these characteristics.

Pembroke State University supports the protections available to members of its community under all applicable Federal laws, including Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Sections 799A and 845 of the Public Health Service Act, the Equal Pay and Age Discrimination Acts, the Rehabilitation Act of 1973, and Executive Order 11246.

PEMBROKE STATE UNIVERSITY
Pembroke, NC 28372
Telephone (919) 521-4214

