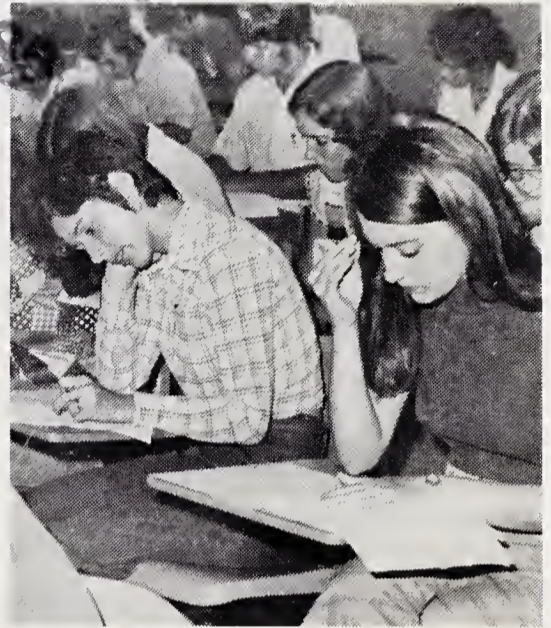
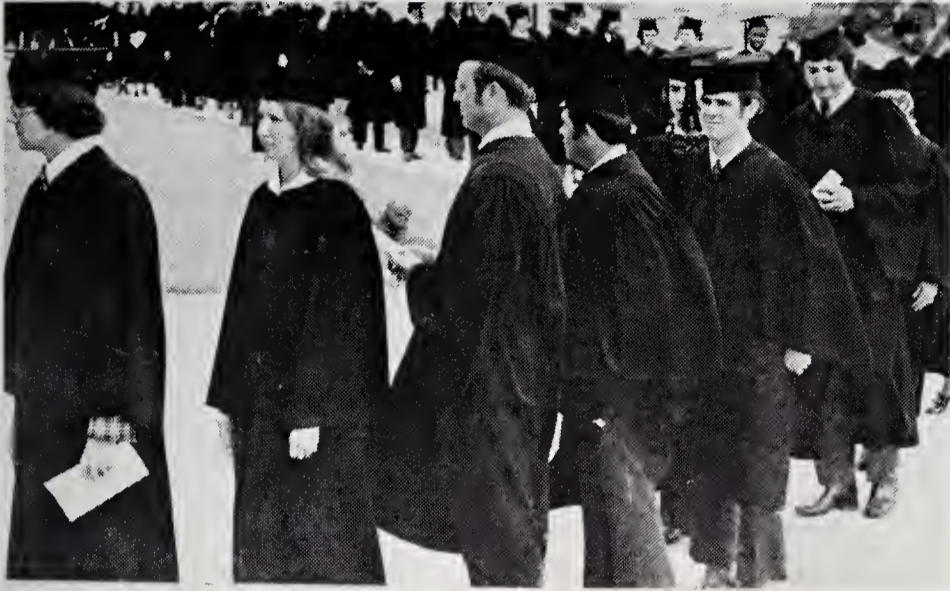


P39H
LIBRARY
JUN 06 1973

LIMBROKE STATE UNIVERSITY 1978-1980 GENERAL 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 Board of Governors of the University of North Carolina

The North Carolina State Board of Education

The Southern Association of Colleges and Schools

The National Council for Accreditation of Teacher Education

The American Association of Colleges for Teacher Education

The Association for Field Services in Teacher Education

The American Council on Education

The Association of American Colleges

The North American Association of Summer Sessions

The North Carolina Association of Colleges and Universities

The University is a Member of the National Association of Schools
of Music.

UNIVERSITY CATALOG COMMITTEE

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

Dr. Richard C. Pisano, Dean of Faculty and Chairman

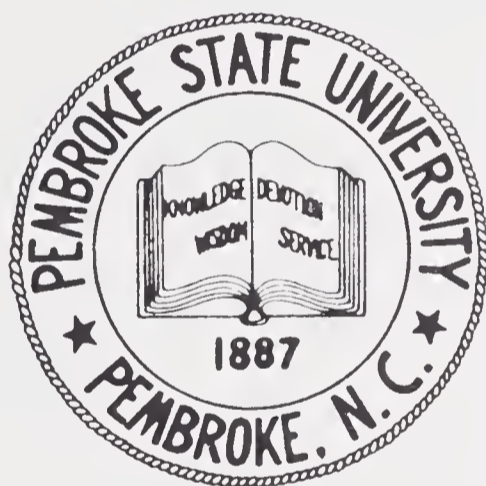
Mr. L. Miles Raisig, Director of Library Services

Ms. Joyce S. Singletary, Registrar

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

APR 5 1978

PEMBROKE STATE UNIVERSITY



**CATALOG
1978-1980**

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
- Catalog Office for Academic Affairs, Ext. 224
- Certification (Teacher) Department of Education, Ext. 271
- Commencement Office of Student Affairs, Ext. 226
- Continuing Education Courses Office of Continuing Education, Ext. 353
- Degree Programs Chairman of the Respective Department
- Dormitories and Student Housing Office of Student Affairs, Ext. 228
- Faculty Office for Academic Affairs, Ext. 224
- Fees and Accounts Office of Business Affairs, Ext. 206
- Financial Aid (Scholarships, Grants, Loans, Work-Study) Office of Financial Aid, Ext. 255
- Graduate Program Office for Academic Affairs, Ext. 351
- Library Services Circulation Desk, Ext. 238
- Media Center Services Media Center, Ext. 354
- Placement Placement Office, Ext. 270
- Public Information Office of Public Information, Ext. 249
- Registration Office of Admissions & Registration, Ext. 298
- Residence Status Office of Admissions, Ext. 262
- Student Activities Office of Student Affairs, Ext. 226
- Summer Programs Office of Continuing Education & Summer Programs, Ext. 353
- Tests (A.C.T., S.A.T., M.A.T.) Office of Guidance and Testing, Ext. 202
- Veterans Information Office of Financial Aid, Ext. 239

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

Pembroke State University
 Pembroke, North Carolina 28372

TABLE OF CONTENTS

Accreditation	2
University Calendar	7
Organization	11
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 Development and Public Affairs	16
Office for Student Affairs	16
Office for Business Affairs	16
The Faculty	18
General Information	29
History	30
Location	31
Purpose	31
Buildings and Grounds	32
The Admissions Process	35
Regular Admission	36
College Level Examination Program	36
College Opportunity Program	37
Transfer Students	38
Bachelor of Science in Applied Science Program	39
Military Degree Completion Program	39
Readmission of Students	40
Special Students	40
Part-Time Students	41
Auditing	41
Summer Session	41
Continuing Education	42
Special Programs	42
Academic Regulations	45
Classification of Students	46
Student Load	46
Grading and Academic Eligibility	46
Grading System	46
Academic Eligibility	47
Minimum Scholastic Requirements	47
Honors	48
Dean's List	48
Registration	48
Dropping and Adding Courses	49
Repetition of Courses	49

Independent Study	49
Experiential Learning	50
Class Attendance	51
Withdrawal Policy	52
Requirements for Graduation	52
Miscellaneous	54
Curricula and Degrees	55
Minimum Basic Studies Requirements	56
Programs for Majors and Specialty Concentration	57
Requirements for a Double Major	58
Requirements for a Second Baccalaureate Degree	58
University Honors Program	58
Student Life and Affairs	61
Student Government	62
Athletics	62
Cultural Programs	62
Co-Curricular Activities	63
Campus Clubs	64
Religious Organizations	65
Honorary Organizations	65
Sororities	65
Fraternities	66
Who's Who Among Students in American Universities and Colleges	66
Queen's	66
Student Housing Information	66
Summer Housing	67
Cafeteria	68
Counseling Service	68
Health Service	68
Placement Office Services	68
Discipline	69
Vehicle Registration	69
The Traffic Control Committee	70
Student Finances	71
Financial Aid	72
Scholarships	72
Loan Funds	75
Student Employment	76
Veterans	77
Veteran Dependents	77
Student Fees	78
Resident Status for Tuition Payment	78
Schedule of Expenses	78
Per Semester	78
Per Term of Summer Session	79
List of Fees	79
Refund Policy	81

Courses of Instruction	83
American Indian Studies	84
Art	87
Biology	95
Business Administration	102
Business Education	108
Economics	109
Communicative Arts	111
English and Speech Education	122
Foreign Languages	123
Education	126
Early Childhood Education (K-3)	130
Intermediate Education (4-9)	130
Reading Education	130
Special Education (K-12)	131
Geology and Geography	140
Health, Physical Education and Recreation	144
History	150
Home Economics	160
Mathematics	165
Music	172
Philosophy and Religion	180
Physical Science	190
Chemistry	191
Physics	193
Political Science	195
Psychology	204
Sociology	209
University Honors Program	216
Summary of Enrollment (1977-78)	218
Index	
Campus Map	

PEMBROKE STATE UNIVERSITY

CALENDAR — 1978-1979

FIRST SEMESTER

August 5	Saturday, 9:00 A.M.—5:00 P.M.—Freshman Testing Program
August 27	Sunday, 1:00 P.M.—Dormitories Open for Freshmen
August 28	Monday, 9:00 A.M.—Freshman Orientation Program
August 29	Tuesday, 9:00 A.M.—Freshman Orientation Program
August 29	Tuesday, 7:00 P.M.—C.E.D. Registration
August 29	Tuesday, 8:00 A.M.—Dormitories Open for Upperclassmen
August 30-31	Wednesday-Thursday, 8:00 A.M.—Registration
September 1	Friday, 8:00 A.M.—Classes Begin
September 4	Monday, Labor Day—Holiday
September 8	Friday, 5:00 P.M.—Last Day to Add a Class; Last Day to Drop a Class without a Grade
October 6	Friday, End of First Six Weeks and Last Day to Withdraw from a Class with a “W” Grade
October 19-20	Thursday-Friday—Mid-Semester Break
October 25	Wednesday, Mid-Point of the Semester
November 6-10	Monday-Friday—Student Advisement
November 13	Monday—Pre-Registration for Spring Semester
November 22	Wednesday, 9:30 P.M.—Thanksgiving Holidays Begin
November 27	Monday, 8:00 A.M.—Classes Resume
December 12	Tuesday, 9:30 P.M.—Classes End
December 13-19	Wednesday-Tuesday—Final Examinations
December 20	Wednesday, 5:00 P.M.—Christmas Vacation Begins
December 20	Wednesday, 5:00 P.M.—All Dormitories Close

SECOND SEMESTER

January 7	Sunday, 1:00 P.M.—All Dormitories Open
January 8	Monday, 8:00 A.M.—Registration
January 8	Monday, 7:00 P.M.—C.E.D. Registration
January 9	Tuesday, 8:00 A.M.—Classes Begin
January 15	Monday, 5:00 P.M.—Last Day to Add a Class; Last Day to Drop a Class without a Grade
February 16	Friday, End of First Six Weeks and Last Day to Withdraw from a Class with a “W” Grade
March 2	Friday, 9:30 P.M.—Spring Vacation Begins
March 2	Friday, 5:00 P.M.—All Dormitories Close
March 9	Friday, Mid-Point of the Semester
March 11	Sunday, 1:00 P.M.—All Dormitories Open
March 12	Monday, 8:00 A.M.—Classes Resume
April 9-12	Monday-Thursday—Student Advisement
April 12	Thursday, 9:30 P.M.—Easter Holidays Begin
April 17	Tuesday, 8:00 A.M.—Classes Resume

April 25	Wednesday—Advanced Registration for First Term of Summer School
May 3	Thursday, 9:30 P.M.—Classes End
May 4-10	Friday-Thursday—Final Examinations
May 13	Sunday—Commencement

SUMMER SESSION—1979

FIRST TERM

June 3	Sunday, 1:00 P.M.—All Dormitories Open
June 4	Monday, 8:00 A.M.—Registration
June 4	Monday, 1:00 P.M.—Classes begin
July 4	Wednesday—Holiday
July 6	Friday—End of First Term of Summer

SECOND TERM

July 9	Monday, 8:00 A.M.—Registration
July 9	Monday, 1:00 P.M.—Classes Begin
August 10	Friday, End of Second Term of Summer School
August 10	Friday, 5:00 P.M.—All Dormitories Close

PEMBROKE STATE UNIVERSITY

CALENDAR — 1979-1980

FIRST SEMESTER

August 4	Saturday, 9:00 A.M.—5:00 P.M.—Freshman Testing Program
August 26	Sunday, 1:00 P.M.—Dormitories Open for Freshmen
August 27	Monday, 9:00 A.M.—Freshman Orientation Program
August 28	Tuesday, 9:00 A.M.—Freshman Orientation Program
August 28	Tuesday, 8:00 A.M.—Dormitories Open for Upperclassmen
August 28	Tuesday, 7:00 P.M.—C.E.D. Registration
August 29-30	Wednesday-Thursday, 8:00 A.M.—Registration
August 31	Friday, 8:00 A.M.—Classes Begin
September 3	Monday, Labor Day—Holiday
September 7	Friday, 5:00 P.M.—Last Day to Add a Class; Last Day to Drop a Class without a Grade
October 5	Friday, End of First Six Weeks and Last Day to Withdraw with a “W” Grade
October 18-19	Thursday-Friday—Mid-Semester Break
October 26	Friday, Mid-Point of the Semester
November 5-9	Monday-Friday—Student Advisement
November 12	Monday—Pre-Registration for Spring Semester
November 21	Wednesday, 9:30 P.M.—Thanksgiving Holidays Begin
November 26	Monday, 8:00 A.M.—Classes Resume
December 11	Tuesday, 9:30 P.M.—Classes End
December 12-18	Wednesday-Tuesday—Final Examinations
December 19	Wednesday, 5:00 P.M.—Christmas Vacation Begins
December 19	Wednesday, 5:00 P.M.—All Dormitories Close

SECOND SEMESTER

January 6	Sunday, 1:00 P.M.—All Dormitories Open
January 7	Monday, 8:00 A.M.—Registration
January 7	Monday, 7:00 P.M.—C.E.D. Registration
January 8	Tuesday, 8:00 A.M.—Classes Begin
January 14	Monday, 5:00 P.M.—Last Day to Add a Class; Last Day to Drop a Class without a Grade
February 15	Friday, End of First Six Weeks and Last Day to Withdraw from a Class with a “W” Grade
March 7	Friday, Mid-Point of the Semester
March 7	Friday, 9:30 P.M.—Spring Vacation Begins
March 7	Friday, 5:00 P.M.—All Dormitories Close
March 16	Sunday, 1:00 P.M.—All Dormitories Open
March 17	Monday, 8:00 A.M.—Classes Resume
April 3	Thursday, 9:30 P.M.—Easter Holidays Begin
April 8	Tuesday, 8:00 A.M.—Classes Resume

April 14-17	Monday-Thursday—Student Advisement
April 23	Wednesday—Advanced Registration for First Term of Summer School
May 1	Thursday, 9:30 P.M.—Classes End
May 2-8	Friday-Thursday—Final Examinations
May 11	Sunday—Commencement

SUMMER SESSION—1980

FIRST TERM

June 1	Sunday, 1:00 P.M.—All Dormitories Open
June 2	Monday, 8:00 A.M.—Registration
June 2	Monday, 1:00 P.M.—Classes Begin
July 3	Thursday—End of First Term of Summer School

SECOND TERM

July 7	Monday, 8:00 A.M.—Registration
July 7	Monday, 1:00 P.M.—Classes Begin
August 8	Friday—End of Second Term of Summer School
August 8	Friday, 5:00 P.M.—All Dormitories Close

I. Organization

The University of North Carolina

Pembroke State University

Trustees

Administration

Faculty

I. ORGANIZATION**THE UNIVERSITY OF NORTH CAROLINA****Sixteen Constituent Institutions****BOARD OF GOVERNORS****THE UNIVERSITY OF NORTH CAROLINA**

WILLIAM A. JOHNSON, Chairman
 MRS. HOWARD HOLDERNESS, Vice Chairman
 E. B. TURNER, Secretary

Class of 1979

MRS. KATHLEEN R. CROSBY, Charlotte
 DR. HUGH S. DANIEL, JR., Waynesville
 WILLIAM A. DEES, JR., Goldsboro
 JACOB H. FROELICH, JR., High Point
 WILLIAM A. JOHNSON, Lillington
 ROBERT L. JONES, Raleigh
 E. B. TURNER, Lumberton
 MRS. GEORGE D. WILSON, Fayetteville

Class of 1981

HUGH CANNON, Raleigh
 PHILIP G. CARSON, Asheville
 T. WORTH COLTRANE, Asheboro
 GEORGE WATTS HILL, Durham
 LUTHER H. HODGES, JR., Charlotte
 MRS. HUGH MORTON, Linville
 J. J. SANSOM, JR., Raleigh
 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
 CHARLES Z. FLACK, JR., Forest City
 JAMES E. HOLMES, Winston-Salem
 MRS. JOHN L. MCCAIN, Wilson
 REGINALD F. MCCOY, Laurinburg
 WILLIAM D. MILLS, Maysville
 MACEO A. SLOAN, Durham

THE UNIVERSITY OF NORTH CAROLINA OFFICERS AND GENERAL ADMINISTRATION

- WILLIAM CLYDE FRIDAY, B.S., LL.B., LL.D., D.C.L., President
 RAYMOND HOWARD DAWSON, B.A., M.A., Ph.D., Vice President—Academic Affairs
 EDGAR WALTON JONES, B.S., M.S., Ph.D., Vice President—Research and Public Service Programs
 L. FELIX JOYNER, A.B., Vice President—Finance
 JOHN L. SANDERS, A.B., J.D., Vice President—Planning
 CLEON FRANKLYN THOMPSON, B.S., M.S., Ph.D., Vice President—Student Services and Special Programs
 GEORGE ELDRIDGE BAIR, B.A., M.A., Ph.D., Director of Educational Television
 HUGH S. BUCHANAN, JR., B.A., Associate Vice President—Finance
 CHARLES RAY COBLE, JR., B.S., M.A., Ph.D., Associate Vice President—Planning
 KENNIS R. GROGAN, B.S., M.B.A., Associate Vice President—Finance
 JAMES L. JENKINS, JR., A.B., Assistant to the President
 JOHN P. KENNEDY, JR., S.B., B.A., M.A., J.D., Secretary of the University
 ARNOLD KIMSEY 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

HISTORY

The University of North Carolina was chartered in 1789 and opened its doors to students at its Chapel Hill campus in 1795. Throughout most of its history, it has been governed by a Board of Trustees chosen by the legislature and presided over by the Governor. During the period 1917-1972, the Board consisted of one hundred elected members and a varying number of *ex-officio* members.

By act of the General Assembly of 1931, without change of name, it was merged with The North Carolina College for Women at Greensboro and The North Carolina State College of Agriculture and Engineering at Raleigh to form a multicampus institution designated The University of North Carolina.

In 1963 the General Assembly changed the name of the campus at Chapel Hill to The University of North Carolina at Chapel Hill and that at Greensboro to The University of North Carolina at Greensboro and, in 1965, the name of the campus at Raleigh was changed to North Carolina State University at Raleigh.

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

A revision of the North Carolina State Constitution adopted in

November 1970 included the following: "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 slightly different language, this provision had been in the Constitution since 1868.

On October 30, 1971, the General Assembly in special session merged, without changing their names, the remaining ten state-supported senior institutions into the University as follows: 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 merger, which resulted in a statewide multicampus university of sixteen constituent institutions, became effective on July 1, 1972.

The constitutionally authorized Board of Trustees was designated the Board of Governors, and the number was reduced to thirty-two members elected by the General Assembly, with authority to choose their own chairman and other officers. The Board is "responsible for the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." Each constituent institution, however, has its own board of trustees of thirteen members, eight of whom are appointed by the Board of Governors, four by the Governor, and one of whom, the elected President of the student body, serves *ex-officio*. The principal powers of each institutional board are exercised under a delegation from the Board of Governors.

Each institution has its own faculty and student body, and each is headed by a chancellor as its chief administrative officer. Unified 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 General Administration office is located in Chapel Hill.

The chancellors of the constituent institutions are responsible to the President as the chief administrative and executive officer of The University of North Carolina.

**PEMBROKE STATE UNIVERSITY
BOARD OF TRUSTEES**

	Address	Term Expires
FINCH, BETH	Fayetteville, N. C.	1981
JONES, JOHN ROBERT	Pembroke, N.C.	1979
LOWRY, BURLIN	Cary, N. C.	1981
MARKS, LEROY	Laurinburg, N. C.	1979
OXENDINE, JESSE EDWARD	Charlotte, N. C.	1979
PARNELL, GENEVA	Parkton, N. C.	1981
REVELS, WILLIAM LONNIE	Greensboro, N. C.	1979
ROBINSON, SANKEY W.	Whiteville, N. C.	1979
SWETT, PURNELL	Pembroke, N. C.	1981
THOMPSON, DAVID LEE	Lumberton, N. C.	1979
UPCHURCH, CLYDE	Raeford, N. C.	1981
WYNN, HAROLD B.	Lumberton, N. C.	1981

OFFICERS OF THE BOARD

Chairman of the Board: LEROY MARKS
Vice Chairman: JESSE EDWARD OXENDINE
Secretary: BETH FINCH

OFFICERS AND ADMINISTRATION

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

OFFICE OF THE CHANCELLOR

W. HOWARD DEAN, B.S., M.A., Ed.D. .. *Vice Chancellor for Academic Affairs*
 DALTON P. BROOKS, B.A., M.A., Ph.D. *Acting Director of Development and Public Affairs; Director of Institutional Research*
 GERALD D. MAYNOR, B.A., M.A., Ed.D. *Dean of Student Affairs*
 WILLIAM S. MASON, JR., B.S. *Business Manager*
 TERRY R. HUTCHINS, A.B., J.D. *Assistant to the Chancellor*
 LACEY E. GANE, B.A., Ed.M. *Director of Athletics*

OFFICE FOR ACADEMIC AFFAIRS

W. HOWARD DEAN, B.S., M.A., Ed.D. .. *Vice Chancellor for Academic Affairs*
 RICHARD C. PISANO, B.S., M.Ed., Ed.D. *Dean of Faculty*
 CHARLES R. JENKINS, B.S., M.A.E., Ed.D. *Assistant to the Vice Chancellor for Academic Affairs*
 SYLVESTER W. WOOTEN, B.S., M.S., Ed.D. *Director of Continuing Education and Summer Session*
 NORMA J. THOMPSON, B.S., M.A., Ph.D. *Dean of Admissions and Registration*
 JOYCE S. SINGLETARY, B.S., M.A. *Registrar*
 WARREN BAKER, B.S. *Acting Director of Admissions*
 A. WARREN LOVE, B.S., M.A. *Acting Director of Media Center*

- L. MILES RAISIG, B.S., M.S.L.S. *Director of Library Services*
 DIANE O. JONES, B.S., M.S. *Director of Placement
 and Human Services Center*

DEPARTMENT CHAIRMEN

- ADOLPH L. DIAL, B.A., Ed.M., C.A.G.S. *American Indian Studies*
 PAUL VAN ZANDT, B.F.A., M.F.A. *Art*
 ROBERT F. BRITT, B.A., M.A., Ph.D. *Biology*
 DONALD E. KELLEY, B.S., M.B.A., Ph.D. *Business Administration
 and Economics*
 RAYMOND J. RUNDUS, B.S., M.A., Ph.D. *Communicative Arts*
 ROBERT E. FOWLER, B.A.E., M.Ed., Ed.D. *Education*
 THOMAS E. ROSS, B.A., M.S., Ph.D. *Geology and Geography*
 RAYMOND B. PENNINGTON, B.S., Ed.M., Ed.D. *Health, Physical
 Education and Recreation*
 JOHN CHAY, A.B., M.A., M.A.L.S., Ph.D. *History*
 ANNIE MERLE W. ELAM, B.S., M.S. *Home Economics*
 JAMES R. KRABILL, B.A., M.A., Ph.D. *Mathematics*
 HAROLD C. SLAGLE, B.M.E., M.M., Ed.D. *Music*
 ROBERT K. GUSTAFSON, B.A., M.Div., Th.M., Th.D. *Philosophy and
 Religion*
 JOHN S. WALLINGFORD, B. Phys., M.Ed., M.S., Ph.D. *Physical Science*
 CHANG H. CHO, L.L.B., M.A., D.P.A. *Political Science*
 KATHRYN K. RILEIGH, B.A., M.A., Ph.D. *Psychology*
 FRANK A. SCHMALLEGER, B.B.A., M.A., Ph.D. *Sociology*

OFFICE FOR DEVELOPMENT AND PUBLIC AFFAIRS

- DALTON P. BROOKS, B.A., M.A., Ph.D. *Acting Director of Development
 and Public Affairs; Director of Institutional Research*
 TOMMY D. SWETT, B.S., M.A.Ed. *Director of Special Services*
 JASON B. LOWRY, B.A., M.A. *Director of Title III*
 WALTER G. OXENDINE, B.S., M.A. *Development Officer*
 GENE WARREN, B.A. *Director of Public Information*
 PRENTISS ODUM, A.S. *Director of Computer Center*
 WAYNE BAILEY, B.S. *Director of Alumni Affairs*

OFFICE FOR STUDENT AFFAIRS

- GERALD D. MAYNOR, B.A., M.A., Ed.D. *Dean of Student Affairs*
 FAYE JONES, B.S., M.A. *Associate Dean of Student Affairs*
 ALEC PRICE, B.A., M.A. *Assistant to the Dean of Student Affairs*
 RAY VON BEATTY, B.S., M.Ed., Ph.D. *Director of Guidance and Testing
 Center*
 ESTHER D. JACOBS, B.S. *Financial Aid Officer*
 MARK H. HUCKERIEDE, M.D. *University Physician*
 EVA B. SAMPSON, R.N., B.S. *University Nurse*
 HAYNES DEESE *Campus Police Chief*

OFFICE FOR BUSINESS AFFAIRS

- WILLIAM S. MASON, JR., B.S. *Business Manager*
 DARREL BOWERSOX *Director of Food Services*

HORACE BURNETTE	Supt., Building and Grounds
WILLIAM S. CHESTNUT, B.A., C.P.A.	University Accountant
WILBERT CHAVIS	Office Services Supervisor
BILLY DEES, B.S.C.E., P.E.	University Engineer
JANE DIAL	Switchboard Supervisor
FAYE HODGE	Cashier
KATE LOCKLEAR	Payroll Clerk
LEE E. NEVILLE	Student Union Manager
JULIAN RANSOM, B.A.	Purchasing Agent
HERBERT ROBERTS	Central Stores Supervisor

THE FACULTY

- GEORGE T. AMMONS (1965), *Assistant Professor, Department of Business Administration and Economics*
B.S., C.P.A., UNC-Chapel Hill
- CHARLES D. BASS (1971), *Associate Professor, Department of Mathematics*
B.S., B.A., Carson-Newman College; Ph.D., University of Tennessee
- JAMES A. BATTLE, JR. (1976), *Adjunct Instructor, Department of Business Administration and Economics*
B.S., The Citadel; M.B.A., University of South Carolina
- TIMOTHY SCOTT BAUER-YOCUM (1977), *Instructor, Department of Philosophy and Religion*
B.A., Duke University; M.A., Graduate Theological Union;
Ph.D. Candidate, Duke University
- RAY VON BEATTY (1972), *Assistant Professor, Department of Psychology; Director of Guidance and Testing Center*
B.S., Pembroke State University; M.Ed., Ph.D., UNC-Chapel Hill
- PAUL J. BERGHOFF (1975), *Assistant Professor, Department of Education*
B.A., M.A., Ph.D., University of Michigan
- MARY P. BOYLES (1977), *Assistant Professor, Department of Communicative Arts; Director of College Opportunity Program*
A.B., Ph.D., UNC-Greensboro; M.A., UNC-Chapel Hill
- GERALD C. BORLAND (1968), *Associate Professor, Department of Geology and Geography*
B.A., Pennsylvania State University; M.S., University of Arizona
- ROBERT F. BRITT (1960), *Professor and Chairman, Department of Biology*
A.B., M.A., Ph.D., UNC-Chapel Hill
- DEXTER BROOKS (1977), *Adjunct Instructor, Department of Business Administration and Economics*
B.S., M.S., North Carolina State University; J.D., UNC-Chapel Hill
- ELLEN JANE BRYAN (1970), *Assistant Professor, Department of Health, Physical Education and Recreation*
B.S., Pembroke State University; M.A.E., East Carolina University; Ph.D. Candidate, 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
- AVERY J. BUTTERS (1965), *Professor and Catalog Librarian*
A.B., Passionists Fathers Seminary; M.A., M.Ed, Boston College; M.S. in L.S., Catholic University of America; Ph.D., Fordham University
- MARY M. BUXTON (1977), *Assistant Professor, Department of Education*
B.S., M.A. Appalachian State University; Ed.D., Ball State University
- GLORIA M. CANONIZADO (1976), *Instructor, Department of Health, Physical Education and Recreation*
B.S., Philippine Normal College; M.A.Ed., East Carolina University

- *JAMES B. CHAVIS (1972), *Assistant Professor and Dean of 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., A.M., A.M.L.S., Ph.D., The University of Michigan
- BARRY CHILDERS (1974), *Associate Professor, Department of Psychology*
B.A., University of Kentucky; Ph.D., Florida State University
- CHANG H. CHO (1968), *Professor and Chairman, Department of Political Science*
LL.B., Yonsei University; M.A., American University; D.P.A., George Washington University
- MARILYN K. CHRISTOPH (1976), *Instructor, Department of Health, Physical Education and Recreation*
B.S., Appalachian State University; M.S., North Carolina A & T State University
- ANNIE H. COATES (1973), *Assistant Professor, Department of Business Administration and Economics*
B.S., St. Andrews Presbyterian College; M.A.Ed., University of Georgia
- RHODA P. COLLINS (1967), *Professor, Department of Education*
B.A., M.Ed., UNC-Chapel Hill; Ed.D., Duke University
- DAVID L. COZART (1974), *Assistant Professor, Department of Mathematics*
B.S., Guilford College; Ph.D., Duke University
- EDWIN 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
- FRED DAVID (1976), *Instructor, Department of Business Administration and Economics*
B.S., M.B.A., Wake Forest University
- WILLIAM H. DEAN (1968), *Professor and Vice Chancellor for Academic Affairs*
B.S., M.A., East Carolina University, Ed.D., West Virginia University
- DOLPH L. DIAL (1958), *Associate Professor and Chairman, Department of American Indian Studies*
B.A., Pembroke State University; Ed.M., C.A.G.S., Boston University
- JOHN JAY DRYMON (1977), *Associate Professor, Department of Education*
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
- CHESTER S. L. DUNNING (1977), *Assistant Professor, Department of History*
B.A., University of California; M.A., Ph.D., Boston College

- BOB DUNN (1977), *Instructor, Department of Sociology*
B.A., North Carolina Central University; M.S.W., Howard University
- 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
- LU O. EDWARDS (1977), *Instructor, Department of Communicative Arts;*
Director of Writing Laboratory
B.A., M.A., UNC-Chapel Hill; Ph.D. Candidate, University of Florida
- 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 Services
B.S., East Carolina University; M.S., Appalachian State University
- JAMES S. FARMER (1957), *Associate Professor, Department of Com-*
municative Arts
B.A., M.A., UNC-Chapel Hill
- MAJORIE L. FARMER (1965), *Assistant Professor, Department of Com-*
municative Arts
B.A., Tift College; M.A., UNC-Chapel Hill
- ELIZABETH G. FERRIS (1976), *Assistant Professor, Department of Political*
Science
B.A., Duke University; M.A., Ph.D., University of Florida
- 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
- JOHN F. FLYNN, JR. (1971), *Assistant Professor, Department of Art*
B.F.A., Chicago Art Institute; M.A., University of Miami
- ROBERT E. FOWLER (1977), *Assistant Professor and Chairman, Department of*
Education
B.A.E., M.Ed., Ed.D., University of Florida
- 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
- JOSEPH J. GALLAGHER (1975), *Instructor, Department of Health, Physical*
Education and Recreation
B.S., Pembroke State University; M.A.Ed., East Carolina University

- LACEY E. GANE (1965), *Associate Professor, Department of Health, Physical Education and Recreation; Director of Athletics*
 B.A., Elon College; Ed.M., UNC-Greensboro
- ROBERT M. GEIST III (1974), *Associate Professor, Department of Mathematics*
 B.A., Duke University; M.S., Ph.D., University of Notre Dame
- GRACE E. GIBSON (1966), *Assistant Professor, Department of Communicative Arts*
 B.A., UNC-Greensboro; M.A., Duke University
- JOSEPH W. GOLDSTON (1977), *Assistant Professor, Department of Mathematics*
 B.S., M.S., Ph.D., UNC-Chapel Hill
- BILLY K. GRAHAM (1976), *Adjunct Instructor, Department of Sociology*
 B.S., East Carolina University; M.S.W., Tulane University
- GIBSON H. GRAY (1971), *Associate Professor, Department of Political Science*
 B.B.A., University of Texas; M.A., Ph.D., Columbia University
- AGNES O. GREENE (1968), *Assistant Professor, Department of Home Economics*
 B.S., Florida Southern College; M.A., Northern Michigan University
- MAGNOLIA O. GRIFFITH (1970), *Assistant Professor, Department of Business Administration and Economics*
 B.S., M.A., Appalachian State University
- ROBERT 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
- FRANK J. HALL (1974), *Assistant Professor, Department of Mathematics*
 B.A., St. Mary's University; M.S., University of Houston; Ph.D., North Carolina State University
- GEORGE L. HARPER (1976), *Instructor, Department of Philosophy and Religion*
 B.A., Randolph Macon College; M.Div., Yale University, Ph.D. Candidate,
 Duke University
- JAMES 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
- *JAMES A. JACOBS (1937), *Professor Emeritus, Department of Mathematics*
 B.S., Murray State College; Ed.M., Duke University
- HARLES R. JENKINS (1971), *Associate Professor and Assistant to the Vice Chancellor for Academic Affairs*
 B.S., M.A.E., East Carolina University; Ed.D., Duke University
- MORIS B. JOHNSON (1966), *Assistant Professor, Department of Music*
 B.M., Syracuse University; Ed.M., The University of Buffalo
- KENNETH P. JOHNSON (1964), *Professor, Department of Health, Physical Education and Recreation*
 B.S., Cortland State Teachers College; Ed.M., St. Lawrence University;
 Pe.D., Indiana University
- WYNE JONES (1966), *Instructor and Associate Dean of Student Affairs*
 B.S., M.A., East Carolina University

- ENGLISH E. JONES (1956), *Professor and Chancellor*
B.S., University of Kentucky; M.S., North Carolina State University;
L.L.D., Wake Forest University
- BONNIE A. KELLY (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
- DANIEL KENNEY (1977), *Instructor, Department of Health, Physical Education and Recreation*
B.S., M.A.Ed., East Carolina University
- PAUL W. KILLIAN, JR. (1967), *Assistant Professor, Department of Psychology*
A.B., M.A., East Carolina University; Ph.D., North Carolina State University
- JAMES R. KRABILL (1971), *Professor and Chairman, Department of Mathematics*
B.A., Miami University (Ohio); M.A., Ph.D., Duke University
- MIN-CHUAN KU (1965), *Professor, Department of Political Science*
L.L.B., National Cheng-chi University, China; M.A., University of Michigan; Ph.D., New York University
- DAVID K. KUO (1966), *Professor, Department of Biology*
B.S., National Taiwan University; M.F., Ph.D., University of Georgia
- ELIZABETH H. H. KUO (1967), *Assistant Professor, Department of Geology and Geography*
B.S., National Taiwan University; M.A., University of Georgia;
Ph.D. Candidate, 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, Department of Communicative Arts*
B.S., U.S. Naval Academy, M.A., Ph.D., UNC-Chapel Hill
- LOIS B. LEWIS (1963), *Part-time Associate Professor, 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
- **REBA M. LOWRY (1935), *Professor Emeritus, Department of Communicative Arts*
B.A., Maryville College; M.A., University of Tennessee
- **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), *Assistant Professor, Department of History*
B.A., Pembroke State University; M.A., Wake Forest University; Ph.D. Candidate, Kent State

- 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. State University; Ed.D., Pennsylvania State University
- DAVID MAKOFSKY (1976), *Associate Professor, Department of Sociology*
B.A., Columbia University; M.A., Ph.D., University of California-Berkeley
- 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), *Instructor, Department of Sociology*
B.A., Ohio Dominican College; M.S.W., Ohio State University
- I. 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
- THOMAS A. MASON (1976), *Assistant Professor, Department of History*
A.B., Kenyon College; M.A., Ph.D., University of Virginia
- HAROLD D. MAXWELL (1967), *Associate Professor, Department of Biology*
B.S., M.S., Tennessee Polytechnic Institute; Ph.D., North Carolina State University
- MARY CAROL MAY (1977), *Instructor, Department of Music*
B.A., B.M., Meredith College; M.M., Florida State University
- GERALD D. MAYNOR (1973), *Assistant Professor and Dean of Student Affairs*
B.A., Pembroke State University; M.A., Appalachian State University; Ed.D., University of Miami
- ROBERT D. MAYNOR (1972), *Instructor, Department of Business Administration and Economics*
B.S., Pembroke State University; M.B.A., Columbia University
- DAVID B. MILLER (1977), *Assistant Professor, Department of Sociology*
B.S., Oregon State; M.S., Ph.D., Mississippi State
- ENOCH C. MORRIS, JR. (1977), *Instructor, Department of Communicative Arts*
B.F.A., Memphis State University; M.F.A., Wayne State University
- MATTHEW C. MORRISON (1977), *Associate Professor, Department of Communicative Arts*
B.A., David Lipscomb College; M.A., Indiana State University; Ph.D., Indiana University
- J. L. MURRAY (1965), *Professor, Department of Education*
B.A., Atlantic Christian College; M.A., East Carolina University; Ed.D., University of Florida
- ALTER S. MUSGROVE (1966), *Assistant Professor and Library Bibliographer*
B.A., University of Florida; 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

- DENNIS O'BRIEN (1973), *Adjunct Assistant Professor, Department of Psychology*
B.A., Marist College; M.A., St. Bonaventure University; Ph.D., North Carolina State University
- 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
- 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., Duke 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 Faculty*
B.S., State University of New York at Potsdam; M.Ed., Florida State University; Ed.D., Columbia University
- *FRANK S. POKRASS (1973), *Associate Professor, Department of Sociology*
A.B., Franklin and Marshall College; M.A., Ph.D., Yale University
- GEORGE W. POLHEMUS (1965), *Associate Professor, Department of Communicative Arts*
B.A., M.A., University of Mississippi
- BARBARA A. POWELL (1977), *Instructor, Department of Education*
B.A., Flora MacDonald College; M.A., Appalachian State University
- L. MILES RAISIG (1969), *Associate Professor and Director of Library Services*
B.S., University of Virginia; M.S.L.S., State University of New York at Albany
- 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 University; M.A., Ph.D., Columbia University
- ROBERT L. ROMINE (1974), *Associate Professor, Department of Music*
B.S., M.A., Northeast Missouri State University; Ph.D., University of Iowa

- THOMAS E. ROSS (1969), *Assistant Professor and Chairman, Department of Geology and Geography*
B.A., M.S., Marshall University; Ph.D., University of Tennessee
- RAYMOND J. RUNDUS (1970), *Professor and Chairman, Department of Communicative Arts*
B.A., College of Emporia; M.A., Wayne State University; Ph.D., University of Nebraska
- JOHN 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
- RICHARD H. SADY (1976), *Assistant Professor of Mathematics*
B.A., College of the Holy Cross; M.S., Ph.D., University of Notre Dame
- GILBERT L. SAMPSON (1966), *Assistant Professor, Department of Mathematics*
B.S., Pembroke State University; M.A., University of Arkansas; Ph.D. Candidate, New York University
- FRANK A. SCHMALLEGER (1975), *Assistant Professor and Chairman, Department of Sociology*
B.B.A., University of Notre Dame; M.A., Ph.D., Ohio State University
- MICHAEL R. SELLON (1977), *Adjunct Instructor, Department of Sociology*
B.A., Bemidji State University; M.A., Northern Illinois University
- DENNIS H. SIGMON, *Assistant Professor, Department of Communicative Arts*
A.B., High Point College; M.A.T., Appalachian State University; Ph.D., Purdue University
- AROLD C. SLAGLE (1969), *Professor and Chairman, Department of Music*
B.M.E., M.M., University of Nebraska; Ed.D., University of Illinois
- ROTHY U. SMITH (1971), *Instructor, Department of Home Economics*
B.S., Fort Hays Kansas State; M.S., Kansas State University
- RICHARD F. SMITH (1975), *Instructor, Department of Communicative Arts*
B.A., M.A., Bowling Green University
- DOM S. SPECK (1972), *Assistant Professor, Department of Art*
B.F.A., Memphis Academy of Arts; M.F.A., University of Tennessee
- AURICE F. STANLEY (1976), *Assistant Professor of Philosophy and Religion*
B.S., North Carolina State University; M.A., Ph.D., UNC-Chapel Hill
- LPH L. STEEDS (1975), *Instructor, Department of Art*
B.A., Central State University; M.F.A., University of Oklahoma
- ALBERT STUDDARD (1970), *Associate 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
- EROLD J. TEAGUE (1970), *Associate Professor, Department of Physical Science*
B.S., Methodist College; M.S., Ph.D., North Carolina State University
- ERMA J. THOMPSON (1963), *Associate Professor and Dean of Admissions and Registration*
B.S., Pembroke State University; M.A., Appalachian State University; Ph.D., Georgia State University

- EUGENE C. TORBERT (1975), *Assistant Professor, Department of Communicative Arts*
B.A., M.A., Ph.D., UNC-Chapel Hill
- ROBERT M. URIE (1977), *Adjunct Assistant Professor, Department of Education*
B.A., Monmouth College; M.Div., Pittsburgh Theological Seminary;
M.S., Ph.D., UNC-Chapel Hill
- PAUL VAN ZANDT (1969), *Associate Professor and Chairman, Department of Art*
B.F.A., Oklahoma State University; M.F.A., Tulane University
- RICHARD R. VELA (1970), *Assistant Professor, Department of Communicative Arts*
B.A., M.A., University of Dallas
- MARY ANNE P. WALKER (1976), *Instructor of Art*
B.F.A., M.F.A., Virginia Commonwealth 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
- RUDY D. WILLIAMS (1968), *Assistant Professor, Department of Communicative Arts*
B.A., Millsaps College; M.A., University of Mississippi; Ph.D. Candidate, UNC-Chapel Hill
- WINGATE WILSON (1976), *Assistant Professor, Department of Biology*
B.S., University of Kentucky; M.S., Ph.D., University of Tennessee

JUDITH L. WISH (1975), *Assistant Professor, Department of Education; Director of Student Teaching*

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

SYLVESTER W. WOOTEN (1977), *Associate Professor and Director of Continuing Education and Summer Session*

B.S., Winston-Salem State University; M.S., Virginia State College; Ed.D., University of Virginia

* On Leave

** Professor Emeritus

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" still stands on the front campus.

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 college 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 86 acres located along the eastern 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. Passenger service is provided by the Seaboard Coast Line Railway and the National Railways Bus Company. Commercial air line service is available at the Fayetteville Municipal Airport, Grannis Field, which is approximately 30 miles from the campus.

THE PURPOSE 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 a varied and well-balanced program 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 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 responsive programs to meet the changing educational needs of the University community and society.

BUILDINGS AND GROUNDS

The Old Gymnasium completed in 1940, contains classrooms and offices used by the Media Center, the Human Services Center.

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 and Political Science departments, and the Faculty Lounge.

Moore Hall, dating from 1951, contains a three-hundred seat auditorium and classrooms, offices and studios used by the Music and Home Economics departments. This building was named for Reverend M. L. Moore, the first teacher of the Indian Normal School at Pembroke.

The Chancellor's House, completed in 1952, is located on the western side of the campus.

Home Economics Residence House, opened in 1965, is an instructional facility used for the residence training of home economics majors.

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. Wellon who served as President of the University from 1942 through 1956.

West Hall, opened in 1965, is a women'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 room and faculty offices.

The University Cafeteria, built in 1959, was renovated and enlarged in 1966. It 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, capable of housing 400,000 volumes, was completed in 1967, provides classrooms and offices for the

Sociology and Geography department, and houses the Computer Center, and offices for the Director of Special Services, Campus Ministry, and Director of Public Information.

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

The Business Administration Building, completed in 1969, affords classrooms and offices for the Business Administration and Economics, Communicative Arts, and History departments.

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.

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.
6. 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

1. English Composition

Basic Studies Credit

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 of credit for Mathematics 105: Introduction to College Mathematics; and three semester hours credit for Mathematics 107: College Algebra.
4. Natural Sciences
Three semester hours of credit for Biology 100: Principles of Biology; and three semester hours of credit for Physical Science 100: Development of Physical Thought.
5. Social Sciences—History
Three semester hours of credit for History 107: Modern Western Civilization; and three semester hours credit for History 108: Modern Western Civilization.

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, Scholastic Aptitude Test scores or American College Testing Program 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.
8. 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 attempted 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 after 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, military reservists, 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 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 20 semester hours of work completed through extension courses. Work completed in courses offered by Pembroke State University's Continuing Education Division at cooperating technical institutions 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 for readmission is available on request from the Dean of Admissions and Registration. To insure proper consideration the application should be received 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 a 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 of 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 courses.

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 or other written work are not given to auditing students and no grades reported for courses audited.

SUMMER SESSION

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 in the appropriate section above.

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 they are in good standing at their home institution and have the permission of their Dean or Registrar to enroll in 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

Pembroke State University offers on-campus and off-campus educational opportunities to persons who are unable to meet the demands of on-campus regular academic programs. In addition to course work carrying regular college credit, the program provides self-improvement opportunities for those not interested in course credit, but who are more concerned with the realization of personal potential and/or the development of special interests. Courses are offered on the undergraduate level for credit, delayed credit, or non-credit.

In addition to on-campus opportunities, courses are offered at a number of cooperating institutions such as Anson Technical Institute in Ansonville, N. C., Fayetteville Technical Institute in Fayetteville, N. C., and Richmond Technical Institute in Hamlet, N. C. A student may enroll in one of these institutions for delayed credit course work and later transfer to the University.

For additional information about opportunities available through the Office of Continuing Education contact the Director of Continuing Education or the Office of Admissions and Registration.

SPECIAL PROGRAMS

Upward Bound and Special Services are two federally-funded programs for students from disadvantaged backgrounds. To be eligible for the programs the students must meet criteria established by the U.S. Commission of Education.

The Upward Bound Program is funded to serve seventy-five high school juniors and seniors from eleven high schools in Robeson County. The program consists of two phases: the summer phase, and the academic phase. During the summer phase participants live on campus for 6-8 weeks and take part in a variety of academic, social, and cultural activities. This program is designed to motivate and develop and enrich basic skills necessary for success in college. During the academic phase students are encouraged to achieve their academic 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.

The Special Services Program is funded to serve one hundred college students who need assistance in achieving successful college experiences. The program offers the following services: free tutorial assistance, reading skills instruction, academic advisement, and counseling in personal, financial, career, and academic concerns. The objectives of the program are to provide the support and encouragement necessary to enable students to reach their post-secondary goals.

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
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, 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 grades of "F" 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 pre-registration phase and the registration phase.

Students currently enrolled at Pembroke State University may complete their registration by: (1) consulting with their advisers 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 advisers 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, fill the form out, 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 procedure 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.

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 the experiential learning courses which may be provided by the academic departments.

The following regulations govern the offerings of experiential learning:

1. The Human Services Center will establish and coordinate the offering of an Experiential Learning Program by those departments desiring to provide their majors with a practical work experience related to their major or specialty concentration.
2. 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.
3. The amount of credit that can be earned in Experiential Learning I or II is variable from one to three semester hours in each course; is jointly determined by the student, the student's major advisor, and the Director of the Human Services Center on the basis of what the student contracts to do; and is stated in the learning contract.
4. A student is allowed to enroll in Experiential Learning I first and then, if he completes Experiential Learning I with a Pass grade, is allowed to enroll in Experiential Learning II and a student is not allowed to enroll in both Experiential Learning I and Experiential Learning II in the same semester or term of summer session.
5. Each department determines whether or not to provide its majors with practical work experience related to their major or specialty concentration through Experiential Learning I and II.
6. Each department which provides its majors with practical work experience related to their major or specialty concentration through Experiential Learning I and II determines whether or not credit earned in the program may be used in meeting major requirements.
7. Each department, which provides its majors with practical work experience related to their major or specialty concentration through Experiential Learning I and II and allows its majors to use credit earned in the program in meeting major require

- ments, may allow its majors to use not more than three semester hours of credit earned in Experiential Learning I and II in meeting the major requirement.
8. 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, his major advisor, and the Director of the Human Services Center.
 9. 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, the Director of the Human Services Center, and the agency providing the practical work experience which states:
 - a. what the student is to do, what the major advisor is to do, what the Director of the Human Services Center 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.
 10. The registrar must be provided a copy of the contract as soon as it is signed by all parties.
 11. The registrar must be notified in writing on a form signed by the student, the student's major advisor, the Director of the Human Services Center, and the agency which states that the student has or has not completed his contract and has earned a grade of pass or fail.
 12. 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 hour minimum requirement for the degree.

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 instructional 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 transfer students presenting a "D" in any required freshman English Composition course must repeat the course(s) at Pembroke State University;

4. 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;
5. Have successfully completed a program for an academic major;
6. Have a minimum overall cumulative quality point average of 2.0;
7. Have a minimum overall cumulative quality point average of 2.0 in major field of study;
8. 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;
9. Be registered during the academic year in which his graduation occurs;
10. Complete the last 30 semester hours in residence at Pembroke State University;
11. Have not more than 20 semester hours which have been earned through extension courses;
12. Have no credit earned by correspondence;
13. Have the recommendation of the faculty;
14. 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 \$15.00 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.
15. Complete a file in the Placement Office;
16. Satisfy all his financial obligations to the University.

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 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 in-

licated 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.

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.

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. Information concerning enrollment procedures and costs may be obtained from the Office for Academic Affairs.

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	Philosophy and Religion
English	Political Science
History	Sociology
Music	

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
Home Economics	

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)
Home Economics	Art
Mathematics	Music
	Physical Education and Health

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 53.

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 Sciences and Mathematics—A minimum of twelve (12) semester hours. 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.

PROGRAMS FOR MAJORS AND SPECIALTY CONCENTRATIONS

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 advisers 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.

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 216 of the catalog for Honors Program Seminars.

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

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 Dean of Student Affairs. The Student Government Association is elected by the student body each Spring according to the Constitution and By-Laws 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 North Carolina Association of Intercollegiate Athletics for Women, 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 Pembroke State University. 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.

Softball 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 Physical Education Department.

Wrestling 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 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.

PSU is the student radio station on campus. One hour of credit is allowed for students who register for Radio Broadcasting.

CAMPUS CLUBS

The American Indian Student Association is open to all PSU 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 PSU students and its primary purpose is 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 members.

The Criminal Justice Club is an association of students interested in criminology and law enforcement. It is open to all students.

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

The PSU History Club exists primarily for the service and organizational nature for students of the Department, and for those who are interested in history and wish to participate in the club's functions.

The Home Economics Club is open to majors and minors in this field. They engage in a variety of activities in addition to catering and hosting at certain university functions.

The Medical Sociology Club is an association of students with specialty concentration in medical behavior, professions and organizations, and public health. It is open to all students.

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

Phi Beta Lambda provides opportunities for postsecondary and college students to develop vocational competencies for business and office occupations and business teacher education. Phi Beta Lambda is an integral part of the instructional program and in addition promotes a sense of civic and personal responsibility.

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 the curriculum offered by the Political Science Department.

The PSU Veterans Association is open to all persons as a social and service organization for college men and women who have served honorably in the Armed Forces and to promote the bonds of good fellowship created by this common experience.

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

The Social Work Club is in the process of becoming affiliated with the National Association of Social Workers, a professional group. It is open to all students.

The **Applied Sociology Club** consists of students interested in practical applications of the science of sociology—for example, community development and town planning, occupational guidance and vocational rehabilitation, etc. It is open to all students.

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

HONORARY ORGANIZATIONS

Phi Chi is a national honor fraternity and is open to not more than the upper ten percent of the Junior and Senior classes. Eligibility is determined by cumulative grade point average and election by the University faculty.

Phi Omega is a professional music sorority for women interested in promoting music.

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

Phi 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.

Pi Mu Alpha Sinfonia is a national honorary professional music fraternity for men interested in promoting music.

SORORITIES

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

The sororities are:
Sigma Sigma Sigma
Kappa Delta
Eta Tau Alpha

FRATERNITIES

There are four fraternities at Pembroke State University. They are social organizations, also 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 Alpha

Pi Kappa Phi
Tau Kappa Epsilon

WHO'S WHO AMONG STUDENTS IN AMERICAN UNIVERSITIES AND COLLEGES

These students are selected by a joint faculty-student committee and are judged on their total contributions to the University rather than their academic achievements alone.

QUEENS

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 credit hours unless exempted prior to registration. An application for Campus Housing and Exemption form **MUST BE COMPLETED BY ALL FRESHMAN AND SOPHOMORE STUDENTS** entering Pembroke State University and by all other students who plan to live on campus.

An application for dormitory housing and exemption 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 \$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

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 of their deposit.

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 Housing 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 \$150.00 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 their 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. 10 meal plans are valid Monday through Friday and 15/20-meal plans are valid Monday through Sunday.

COUNSELING SERVICE

The University provides psychological counseling services through the Guidance Center located in room 115 of the H.G. Oxendine Science Building. 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 Infirmary is supervised by a part-time Medical Doctor 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 and six nurse assistants.

PLACEMENT OFFICE SERVICES

The 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 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 information, 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 alike are 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 University Financial Aid Application and the Financial Aid Form (FAF). These forms may be obtained from high school guidance counselors after January 1. The institutional application should be completed and returned to the Financial Aid Office by March 15. The Financial Aid Form should be completed and mailed to College Scholarship Service, Box 2700, Princeton, NJ 08540 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. An upperclassman 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 intercolle-

giate 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.

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 Federal 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 or 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 NC 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 NC, 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 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 three 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.

N. 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 early beloved husband and son. Mr. Brooks was an alumnus of this institution and an educator in this County for many years. He was ex-

tremely 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 seven percent per year. Borrowers who are determined to have a need will be eligible for payment of the interest by the Federal Government during the enrollment, grace and deferment periods. Borrowers not eligible for federal interest benefits must pay interest quarterly from the time the loan is received. All borrowers are responsible for the payment of interest during the repayment period. Students who might not qualify for federal interest benefits on the basis of need are encouraged to contact College Foundation, Inc., 1307 Glenwood Avenue, Raleigh, North Carolina 27605 before completing the application.

Students interested in obtaining a loan under this program may obtain an application from the Foundation or the Financial Aid Office, Pembroke State University, Pembroke, N. C.

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 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 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 Veteran's 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.

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 EXPENSES

Per Semester	In-State	Out-of-State
Registration	\$ 10.00	\$ 10.00
General Fee	5.00	5.00
Tuition (If less than 10 hrs.: in-state—\$12.00 per hr. out-of-state—\$86.50	120.00	865.00
Health Service	20.00	20.00
Health and Accident Insurance	8.00	8.00
Other required Fees	72.00	72.00
	<hr/>	<hr/>
	\$235.00	\$980.00

For Students Living on Campus

Add:

Room, Linen and Board	\$460.00	\$ 460.00
	\$695.00	\$1440.00

Students may select a 15 meal plan, valid seven days a week, at a reduction of \$15.00 or a 10 meal plan valid Monday through Friday only for a reduction of \$30. A meal plan is mandatory for dormitory students and meal plan changes will not be made after the first week of each semester.

Per Term of Summer Session

Registration		\$ 5.00
General Fee		5.00
Tuition (per semester hour)		
North Carolina Residents		12.00
Out-of-State Residents		86.50
Health Service and Student Center		20.00

Per Five-Week Term of Summer Session

For Students Living on Campus

Add:

Room, Linen, and Board		\$148.00
------------------------------	--	----------

LIST OF FEES
(Per Semester)

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 AND ACADEMIC FEES

Registration Fee		10.00
------------------------	--	-------

This fee must be paid at the time of registration each semester and is non-refundable.

General Fee		5.00
-------------------	--	------

This fee must be paid each semester. It is used to maintain laboratory, library, and other special supplies and equipment.

Tuition

North Carolina Residents		120.00
Out-of-State Residents		865.00

GENERAL FEES

Health Service \$ 20.00

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

Health and Accident Insurance 8.00

Protection begins 48 hours before the official opening of the regular school session and ends 48 hours after its official close. The insurance covers X-rays, laboratory costs, hospital bill, physicians, and surgeon's fees. More detailed information may be obtained from the University Nurse. All regular students taking 7 or more hours are required to pay this fee.

Other Required Fees 72.00

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 Association to support Student Government activities including Yearbook, Newspaper, and Lyceum Series. All regular students taking 7 hours or more are required to pay this fee.

MISCELLANEOUS FEES

Room, Linen, and Board 460.00

Graduation Fee 15.00

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 5.00

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 a regularly scheduled registration period, he will receive a full refund of tuition and fees, except for the registration fee.

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.

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 & Board

If a dormitory student officially withdraws from school prior to mid-semester, a prorated refund for housing and meals will be made 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.

2. 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

AMERICAN INDIAN STUDIES

Chairman: ADOLPH L. DIAL

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

MICHAEL SELLON
RALPH L. STEED

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 specialty concentration of eighteen semester hours. Students are encouraged to select courses that touch on as many different aspects of Native American history and culture as possible. A certificate of achievement will be awarded to those students who complete the concentration.

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**357. Field Techniques in American Indian Archeology (SOC 357)**

Principles and methodology of archeological research in North America. Pleistocene dating, stratigraphic analysis, and quantitative techniques. Students participate in site reconnaissance, mapping excavation, and laboratory work. Spring of 1978 and alternate years. Credit, 3 semester hours.

358. Pre-History of North American Indians (SOC 358)

Pleistocene ecology; origin and development of North American Indian cultures; subsistence, ceremonial life and personality development; interplay of Asian, Mexican and other influences; reconstructions of extinct lifeways, with special attention to the Indians of the Southeast. Fall of 1978 and alternate years. Credit, 3 semester hours.

ART**27. 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)**20. 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 1978 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 ZANDTJOHN F. FLYNN
TOM S. SPECKRALPH L. STEEDS
MARY ANNE P. WALKER

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. 56)*	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, or Commercial Art	57
Electives	18
Total	120

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

	SEM. HRS.
Basic Studies Requirements (p. 56)*	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-A, 306	51
Professional Education Requirements:	
EDN. 202, 227, 308, 419, 445, 448; Art 400	24
Electives	3
	123
Total	

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

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.

104. Ideals and Techniques in Art

An introduction to the theory and practice of art for non-art majors. A practical approach to art for everyday living. Fall, 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-A. Art Education in the Public Schools (Required for B.S. in Art)

A course designed to convey a working knowledge of the materials used in art and crafts and a study of historical and contemporary philosophies of art education as they apply to motivation, budget, and curriculum construction (4-9). Fall. Credit, 3 semester hours.

108-B. Art Education in the Public Schools (Required of all elementary education majors)

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 creative art work. A special emphasis placed on the philosophy of teaching art to children. Fall, Spring. Credit, 3 semester hours.

109. Figure Drawing

Restriction: Available to declared 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.

111. 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.

132. 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.

133. 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.

140. 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.

151. 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.

205. 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.

207. Ceramic Technology

An in-depth study of the basic ceramic materials and their uses in the formulation of glazes and clay bodies. Kiln construction and firing procedures will be incorporated. Fall. Credit, 2 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.

251. Graphic Art Techniques

Prerequisite: ART 250.

A study of studio production of commercial art projects through the use of mechanical overlays, paste-up, line, wash-drawing and color rendering. Fall. Credit, 3 semester hours.

252. Lettering II

Prerequisite: ART 151.

A study of calligraphic design as applied to various graphic usage. Fall. Credit, 1 semester hour.

253. Media Design

Prerequisite: ART 107.

A study of design as applied to photography and film-making. Spring. Credit, 3 semester hours.

254. Fashion Illustration

A study of figure drawing as applied to practical usage, exploration of various techniques for reproduction. Fall. Credit, 3 semester hours.

255. Display and Package Design

Prerequisites: ART 151, 252.

A study of three-dimensional and two-dimensional design as applied to packaging and display. Spring. Credit, 3 semester hours.

304, 305. Advanced Drawing and Design (304 must be taken before 305)

Prerequisites: ART 101, 132.

Advanced specialized problems in two-dimensional forms. Fall, Spring. Credit, 3 or 6 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 Spring or Fall. Credit, 3 semester hours.

422. Italian Renaissance Art History

A study of the art of the Italian Renaissance. Alternate Spring or Fall. 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 Spring or Fall. 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 Spring or Fall. 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 Spring or Fall. 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.

COMMERCIAL ART (ART)

- 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.
- 151. 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.
- 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.
- 251. Graphic Art Techniques**
Prerequisite: ART 250.
A study of studio production of commercial art projects through the use of mechanical overlays, paste-up, line, wash-drawing and color rendering. Fall. Credit, 3 semester hours.
- 252. Lettering II**
Prerequisite: ART 151.
A study of calligraphic design as applied to various graphic usage. Fall. Credit, 1 semester hour.
- 253. Media Design**
Prerequisite: ART 107.
A study of design as applied to photography and film-making. Spring. Credit, 3 semester hours.
- 254. Fashion Illustration**
A study of figure drawing as applied to practical usage, exploration of various techniques for reproduction. Fall. Credit, 3 semester hours.
- 255. Display and Package Design**
Prerequisites: ART 151, 252.
A study of three-dimensional and two-dimensional design as applied to packaging and display. Spring. Credit, 3 semester hours.
- 304, 305. Advanced Drawing and Design (304 must be taken before 305)**
Prerequisite: ART 101, 132.
Advanced specialized problems in two-dimensional forms. Fall, Spring. Credit, 3 or 6 semester hours.

BIOLOGY

Chairman: ROBERT F. BRITT

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

JOSEPH A. MCGIRT
HAROLD D. MAXWELL
WINGATE WILSON

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 Biology requirement for Basic Studies, the student should 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.

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. Admission to hospital study is not automatic but involves an admission and screening process administered by the hospital. Interested students should consult the Chairman of the Biology Department for details.

Requirements For A Bachelor Of Science Degree In Biology

	Sem. Hrs.
Basic Studies Requirements (p. 56)*	12 + 33
* 12 semester hours of Natural Sciences and Mathematics will count toward Basic Studies and toward major requirements.	
Requirements for a Biology major	
Biology 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: Biology 201, 231, 232, 305, 330, 340, 354, 360, 420	
3. Field Biology and Ecology: Courses taken from the following: Biology 210, 301, 305, 340, 350, 360, 430, 441	
4. Zoology: Courses taken from the following: Biology 203, 211-212, 221, 222, 301, 310, 319, 350, 372, 376, 430, 441, 461	33 - 35
Mathematics 107, 108, or 107, 118	6
Chemistry 100, 101	8
Electives	38-40
	120

Requirements For A Bachelor Of Science Degree With Teacher Certification

	Sem. Hrs.
Basic Studies Requirements (p. 56)*	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	
Biology 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: Biology 201, 231, 232, 305, 330, 340, 354, 360, 420	
3. Field Biology and Ecology: Courses taken from the following: Biology 210, 301, 305, 340, 350, 360, 420, 430, 441	
4. Zoology: Courses taken from the following: Biology 203, 211-212, 221, 222, 301, 310, 319, 350, 372, 376, 430, 441, 461	33 - 35

Mathematics 107, 108 or 107, 118	6
Chemistry 100, 101	8
Professional Education Requirements	
Education 202, 227, 308, 400, 419, 445, 448	24
Electives	14 - 16
	<hr/>
	120

Requirements For A Bachelor Of Science Degree In Biology With Emphasis in Medical Technology

	Sem. Hrs.
Basic Studies Requirements (p. 56)*	12 + 33
* 12 semester hours of Natural Sciences and Mathematics will count toward Basic Studies and toward major requirements	
Major Requirements	
Biology 100, 101, 102, 211, 212, 304, 315, 371, 472	
Chemistry 100, 101, 300, 301, 311**, 311L**	
Mathematics 107, 108	57 - 61
Clinical work in Approved Hospital	30
Electives	0
	<hr/>
	120 - 124

** Strongly recommended but not required.

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 Botany

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 1979-80 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 1978-79 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 1978-79 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 1979-80 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 1978-79 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 1978-79 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

32. Morphology of the Vascular Plants

A continuation of BIO 231, a survey of the plant kingdom with emphasis on selected types of vascular plants. Spring of 1978-79 and alternate years. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.

01. 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 1978-79 and alternate years. One lecture and two two-hour laboratory periods weekly. Credit, 3 semester hours.

04. 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.

05. Introductory Mycology

An introduction to the fungi, with emphasis on taxonomy and physiology, including some reference to their economic importance. Fall of 1979-80 and alternate years. Two lectures and a two-hour laboratory period weekly. Credit, 3 semester hours.

10. Invertebrate Zoology

A survey of the major invertebrate phyla, emphasizing the marine representatives. At least two Saturday field trips are required. Fall of 1979-80 and alternate years. Two lectures and two two-hour laboratory periods weekly. Credit, 4 semester hours.

15. 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.

9. Animal Parasitology

An introduction to the classification, morphology, life history, and control of some common parasites. Spring of 1979-80 and alternate years. Two lectures and a two-hour laboratory period weekly. Credit, 3 semester hours.

0. 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 1978-79 and alternate years. Two lectures and a two-hour laboratory weekly. Credit, 3 semester hours.

0. Plant Taxonomy

An introduction to systematic botany with emphasis on identification of the local vascular flora. Spring of 1979-80 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 1978-79 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 1978-79 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

360. Dendrology

A taxonomic survey of native and introduced woody plants. Fall of 1978-79 and alternate years. Two lectures and two two-hour laboratory periods 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 1979-80 and alternate years. Two lectures and two two-hour laboratory periods weekly. Credit, 4 semester hours.

376. Endocrinology

A study of the morphology and physiology of vertebrate endocrine systems. Growth, metabolism and reproduction will be emphasized. Spring of 1979-80 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

420. Plant Ecology

Prerequisite: BIO 304.

Study of various environmental factors operative in different natural habitats. Spring of 1978-79 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

422. 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 1979-80 and alternate years. Three lectures weekly. Credit, 3 semester hours.

430. Animal Ecology

Prerequisite: BIO 304.

A study of animal ecology with emphasis on adaptations to various habitats and interorganismic relationships. Spring of 1979-80 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

41. Ichthyology

Prerequisites: BIO 100, 102, 221.

The taxonomy and ecology of fishes with special emphasis on the freshwater forms of the Eastern United States. The anatomy, physiology and evolution of certain selected groups of fishes will be studied. Fall of 1978-79 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

61. Animal Physiology

Prerequisites: BIO 100, 102; CHM 300, 301; 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 1979-80 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

72. 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.

99. Research in Biology

Prerequisite: Consent of the instructor and approval of the research proposal by a committee composed of biology faculty.

Restriction: Senior biology majors with a quality point average of 3.0 in the major.

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)**00. 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

JAMES A. BATTLE*

DEXTER BROOKS*

HAZEL COATES

FRED R. DAVID

MAGNOLIA O. GRIFFITH

ROBERT D. MAYNOR

JOHN W. WARD, II

VICTOR W. WOLFE

* Adjunct

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. The Department also offers a program leading to the Bachelor of Arts degree in Economics.

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 (CED), 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

Major Requirements

Business Administration 227, 228, 307, 308, 310, 312, 315, 316, 317, 412, 415, 466	
Economics 201, 202, 301	
Mathematics 107, 118	
Computer Science 100	54
Electives (at least 9 hours in Business Administration or Economics Courses)	21
	120
Total	

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

	Sem. Hrs.
Basic Studies Requirements (p. 56)	45
Major Requirements	
Business Administration 227, 228, 307, 310, 312, 315, 316, 321, 322, 415, 417, 421, 423, 458, 466	
Economics 201, 202, 301	
Mathematics 107, 118	
Computer Science 100	63
Electives	12
	120
Total	

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

	Sem. Hrs.
Basic Studies Requirements (p. 56)	45
Major Requirements**	
Business Education 201, 202, 214, 225, 303, 305, 313, 314, 403, 450, 453	
Business Administration 209, 227, 228, 312, 315, or 316	
Economics 201, 202	
Computer Science 100	51-54
Professional Education Requirements	
Education 202, 227, 308, 400, 419, 445, 448	24
Electives	0
	120
Total	

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

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

	Sem. Hr.
Basic Studies Requirements (p. 56)	45
Major Requirements	
Business Education 201, 202, 225, 303, 305, 403, 450, 453	
Business Administration 209, 227, 228, 312, 315 or 316, 317	
Economics 201, 202	
Computer Science 100	48
Professional Education Requirements	
Education 202, 227, 308, 400, *** 419, 445, 448	24
Electives	3
	Total
	120

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

	Sem. Hr.
Basic Studies Requirements (p. 56)	45
Credit granted on the degree of the Associated 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
	120

Requirements for a Bachelor of Arts Degree in Economics

	Sem. Hr.
Basic Studies Requirements (p. 56)	45
Major Requirements	
Economics 201, 202, 301, 310, 330, 401, 408 and at least fifteen (15) additional semester hours of economics from the 300 level and above.	
Mathematics 107, and 108 or equivalent.	
Mathematics 221 is required.	45
Electives	30
	Total
	120

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

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

marketing, risk, accounting, statistics, and governmental regulation. A general course designed for all students. Fall. Credit, 3 semester hours.

27, 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, 6 semester hours.

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.

33. 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. Two lectures weekly, Credit, 2 semester hours.

37. 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.

38. 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.

40. 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.

42. 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.

35. Business Law I

The general principles of business law, including contracts, negotiable instruments, partnerships, and corporations. Fall. Credit, 3 semester hours.

36. 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.

37. 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 fund 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. Three lectures weekly. 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.

15. 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.

16. 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.

17. 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.

21. 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.

23. 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.

28. Experiential Learning II

Prerequisites: Experiential Learning I and consent of Department Chairman. Practical work experience for business majors. Fall or Spring. Credit, 1 to 3 semester hours.

41. 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.

48. 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.B. opinions, working papers, audit programs, and auditor's liability are considered along with selected case studies. Fall or Spring. Credit, 3 semester hours.

45. 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. Integrated 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)**102, 201. Typewriting**

Basic Typewriting, Intermediate and Advanced Typewritten Communication. Students who have successfully completed one semester of typewriting are not eligible to register for 102. Course 201 is offered during the Fall semester. Courses 102 and 202 are offered during the Spring semester. Three laboratories weekly. Credit, 2 semester hours for each level with a total of 6 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, 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 a 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, 2 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 I

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.

314. Advanced Shorthand II

A continuation of rapid dictation and rapid transcription. Three lectures and two laboratories weekly. Spring. Credit, 3 semester hours.

400. Methods of Teaching Business Education

Purposes, methods, materials, techniques and evaluation procedures

Business Education. Preparation of teaching plans and materials. Spring. Credit, 3 semester hours.

50. 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.

53. 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)

01. 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.

02. 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.

26. Economic Geography (GGY 206)

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

31. Intermediate Micro-economic Theory

Prerequisites: ECN 201, 202.

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

34. 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.

33). Statistics (BUS 310)

Same as BUS 310.

33). 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 government levels in the United States. Spring. Credit, 3 semester hours.

340. 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.

341. Economic History (HST 408)

Prerequisites: HST 107, 108.

The same course as History 337. Fall. Credit, 3 semester hours.

401. 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.

406. Economic Systems

Prerequisites: ECN 201, 202.

A comparative study of alternative economic systems, including communism, socialism, fascism, and capitalism. Spring. Credit, 3 semester hours.

407. Economics of Labor

Prerequisites: 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.

408. Introduction to Econometrics

Prerequisites: ECN 301, 401, and 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.

411. 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.

419. Senior Seminar in Economics

Prerequisite: Consent of instructor.

A seminar featured to prepare students for graduate work in economics. Spring. Credit, 3 semester hours.

COMMUNICATIVE ARTS

Chairman: RAYMOND J. RUNDUS

MARY BOYLES*
 DIRECTOR Dalmas**
 ALBERT D. DUNAVAN
 JAMES S. FARMER
 MARJORIE L. FARMER
 GRACE E. GIBSON
 THOMAS J. LEACH
 ROBERT B. LEWIS**
 NORMAN W. MACLEOD***
 JOSEF L. MANDEL
 NOCH C. MORRIS, JR.

MATTHEW C. MORRISON
 GEORGE W. POLHEMUS
 ROBERT W. REISING
 DENNIS H. SIGMON
 RICHARD SMITH
 EUGENE C. TORBERT
 RICHARD R. VELA
 ANN F. WELLS
 ROBERT C. WESS
 RUDY D. WILLIAMS

* Director, College Opportunity Program

** Adjunct

*** 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, whom a wide choice of courses are 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 specialty concentration within 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 offices about advisement and screening procedures for Communicative Arts majors. Also available is information about developing specialty concentrations in Modern American Literature, Business and Communications, Comparative Literature, Ethnic Studies, Expository and Creative Writing, French, Linguistics and Grammar, Literary Genres and Genres, Journalism, Mass Communications, Spanish, Speech, and Theater. 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.

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

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

	Sem. Hr.
Basic Studies Requirements (p. 56)	45
Major Requirements	
"Core" Major Courses: CMA 100 or 101, 245, and six semester hours of 200-level literature	
CMA 250: Introduction to Theatre	
Eighteen semester hours of advanced major courses (Identified in department publication of 1978-1980 major requirements)	
Six semester hours of foreign language	39
Electives	36
Total	120

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

	Sem. Hr.
Basic Studies Requirements (p. 56)	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 or 352, 371; EED 372, 374, 384; EDN 419; three hours in CMA 162-463 and EED 399; 1-3 semester hours of CMA or EED electives	
Six semester hours of foreign language	43-45
Professional Education Requirements	
EED or EDN 400; Education 202, 227, 308, 445, 448	21
Electives	9-11
Total	120

* As a cognate area of career preparation, English Education majors are strongly recommended to complete a fifteen-hour specialty concentration as a discipline within the Department.

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

	Sem. Hrs.
Basic Studies Requirements (p. 56)	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	
Eighteen semester hours of additional Major Courses (Identified in department publication of 1978-1980 major requirements; minimum of six hours each in English language courses and in literature courses)	
Six semester hours of foreign language	39
Electives	36
Total	120

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

	Sem. Hrs.
Basic Studies Requirements (p. 56)	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)

C002. 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.

C003. 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 communications 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**
Reading and discussion relating to clear writing; emphasis placed on writing themes. This course meets for as many weeks as the instructor requires for the individual student to meet his particular needs in writing. Course is open to all students on an elective basis and is required for those students who fail the English Proficiency Test. Those passing this course are excused from the English Proficiency Test. Fall, Spring. Noncredit.
- 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 to structured practicum. May not be used to satisfy Basic Studies requirements. Pass/Fail grading. Fall. Credit, 3 semester hours.
- 303. Business Communications (BUS 303)**
Development of skill in the fundamentals of effective communication and a 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, 2 semester hours.
- 336. Spelling Review**
Prerequisite: Sophomore standing or above.
Intensive development of spelling skills, including review of spelling principles with particular attention to pronunciation, roots, prefixes, and suffixes. Mastery of a selective spelling list. Spring. Credit, 1 semester hour.
- 337. English Usage**
Prerequisite: Sophomore standing or above.
Intensive development of proficiency in written usage of modern English, with particular attention to definition and derivation, colloquialisms, confusion of similar words and phrases, and non-standard usage. Spring. Credit, 1 semester hour.

338. Sentence Mastery

Prerequisite: Sophomore standing or above.

Intensive development of skills in writing clear and effective sentences, with particular attention to agreement, coherence, emphasis, internal punctuation, appropriate diction, and the elimination of wordiness. Spring. Credit, 1 semester hour.

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

An historical survey of English literature from *Beowulf* to the Restoration (1660), emphasizing such major writers as Chaucer, Sidney, Spenser, Shakespeare (lyric and narrative poetry), Jonson, Donne, and Milton. Spring, Fall, 1979; Summers, 1978 and 1980. Credit, 3 semester hours.

218. English Literature II

An historical survey of English literature from 1660 through the main phase of the Romantic movement, emphasizing such major writers as Dryden, Swift, Pope, Boswell, Johnson, Wordsworth, Coleridge, Byron, Shelley, and Keats. Spring, 1980; Summers, 1978 and 1979. Credit, 3 semester hours.

219. English Literature III

An historical survey of English literature from the beginning of the Victorian Period to the present, emphasizing such major or influential writers as Tennyson, Browning, Hopkins, Hardy, Yeats, Joyce, Lawrence, and Eliot. Fall, 1978; Summers, 1979 and 1980. Credit, 3 semester hours.

20. 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.

22. 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.

23. 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 ideals and values. Fall, Spring, Summer. Credit, 3 semester hours.

2. 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, 1980. 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, 1978. Credit, 3 semester hours.

351. Shakespeare

Prerequisite: CMA 217 recommended.

An introduction to the Elizabethan theatre and a critical study of Shakespeare's earlier plays — histories, comedies and tragedies — including *Hamlet*. Fall. Credit, 3 semester hours.

352. Shakespeare

Prerequisite: CMA 217 recommended.

A study of Shakespeare's theatrical career and a critical study of his later plays, beginning with *King Lear*, continuing with Roman and problem plays, and concluding with the last romances. Spring. 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.

415. Studies in Medieval and Renaissance Literature

Prerequisite: Six hours of 200-level literature.

Intensive study of particular figures or topics in British or World Literature of this period. The emphasis will vary according to the interests of students and instructors. Each student must contribute an extended essay or equivalent work as part of the course experience. Spring, 1980. Credit, 3 semester hours.

416. Studies in Seventeenth and Eighteenth Century Literature

Prerequisite: Six hours of 200-level literature.

Intensive study of particular figures or topics in British, American or World Literature of this period. The emphasis will vary according to the interests of students and instructors. Each student must contribute an extended essay or equivalent work as part of the course experience. Fall, 1979. Credit, 3 semester hours.

417. Studies in Nineteenth Century Literature

Prerequisite: Six hours of 200-level literature.

Intensive study of particular figures or topics in British, American or World Literature of this period. The emphasis will vary according to the interests of students and instructors. Each student must contribute an extended essay or equivalent work as part of the course experience. Spring, 1979. Credit, 3 semester hours.

418. Studies in Twentieth Century Literature.

Prerequisite: Six hours of 200-level literature.

Intensive study of particular figures or topics in British, American or World Literature of this period. The emphasis will vary according to the interests of students and instructors. Each student must contribute an extended essay or equivalent work as part of the course experience. Fall, 1978. 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, 1979. Credit, 3 semester hours.

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. Spring. 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.

302. 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, 1980. 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, 1979. Credit, 3 semester hours.

415. Studies in Medieval and Renaissance Literature

(see under "British and American Literature")

416. Studies in Seventeenth and Eighteenth Century Literature

(see under "British and American Literature")

417. Studies in Nineteenth Century Literature

(see under "British and American Literature")

418. Studies in Twentieth Century 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, 1978. 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, 1979. 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 Head.
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, six 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, 1978. Credit, 3 semester hours.
- 309. Editorial Writing (see under "Expository and Creative Writing")**
- 340. Newswriting and Reporting II**
Prerequisite: Newswriting and Reporting I 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 copy reading and news editing. Fall, Spring. Credit, 3 semester hours.

390. Community Journalism

Prerequisite: CMA 240, 340 or permission of Department Head.

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)**245. 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.

319. 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, 1978. Credit, 3 semester hours.

371. 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.

381. 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)**210. 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.

16. Radio and Television Programming

Prerequisite: CMA 210 or permission of Department Head.

Supervised preparation of copy for short programs; taping for broadcast of news and sports programs, public service announcements, and commercial messages. Fall. Credit, 3 semester hours. Pass/Fail grading.

75. 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, 1979. 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, 1980. Credit, 3 semester hours.

390. Community Journalism (see under "Journalism")

SPEECH COMMUNICATION (CMA)

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, 1979. Credit, 3 semester hours.

300. Oral Interpretation

Techniques of interpretative 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.

304. Advanced Oral Interpretation

Prerequisite: CMA 300.

An advanced course offering experience in the oral interpretation of all forms of literature with emphasis on selecting, cutting and oral interpretation of material for performance. Spring. 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, 1980. 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, 1978. 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.

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.

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

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, 1979. 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. Fall, 1979. Credit, 3 semester hours.

360. History of the Theater: The Beginnings to 1642

Prerequisite: CMA 250 or consent of Department Head.

Study of the theater, both its physical form and its literature, from the earliest beginnings to 1642. Fall, 1978. Credit, 3 semester hours.

361. History of the Theater: 1660 to the Present

Prerequisite: CMA 360 or consent of Department Head.

Study of the theater, both its physical form and its literature, from 1660 to the present. Spring, 1979. 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. Senior Seminar in Literature

Prerequisite: Upper-division standing in the University.

Study in a small group setting of a mode, theme, or genre in British, American

or World Literature. Each student must contribute an extended essay or equivalent work as part of the seminar experience. Instructors will vary from term to term. Fall, 1978. Credit, 3 semester hours.

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 inservice 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 399: 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, Spring, 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, 4-8 semester hours.

231, 232. Intermediate French

Prerequisite: 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, 6 semester hours.

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, 6 semester hours.

321, 322. Survey of French Literature

Prerequisite: Intermediate French 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, 6 semester hours.

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, 3-6 semester hours.

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 4-8 semester hours.

231, 232. Intermediate Spanish

Prerequisite: 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, 6 semester hours.

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, 6 semester hours.

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.

EDUCATION

Chairman: ROBERT E. FOWLER

PAUL J. BERGHOFF
 MARY M. BUXTON
 WILLIAM DASHIELL
 RHODA P. COLLINS
 BEN JAY DRYMON
 CARL M. FISHER

JESSE M. LAMM
 DONALD R. LITTLE
 WILLIE MCNEILL, JR.
 L. L. MURRAY
 JOHN T. RUSSELL
 JUDITH L. WISH

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; (5) present an endorsement and recommendation for admission from his advisor and major department head; and (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; and (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 schools, teaching units, courses of study instructional media and equipment, curriculum outlines, and supplies and materials for production and preparation of teaching materials.

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. Major departmental requirements for the B.S. or B.A. degree; and Education 419, Teaching Reading in the Secondary School.
- III. Professional requirements for the secondary teaching certificates: 21 semester hours consisting of Education 202, 227, 308, 400, 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 (K-3) and in Intermediate Grades Education (4-9). 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 (K-3)

	Sem. Hrs.
Basic Studies Requirements (p. 56)* (To include six hours each of literature and history.)	45
Major Requirements (K-3) EDN 102, 410; Art 225; Health 310; Phys. Ed. 319; Music 224; EED 310, 382, 394; CMA 371	30
Professional Education Requirements EDN 202, 227, 301, 303, 442, 446, 474;	24
Electives	21
Total	<hr/> 120

* 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 (4-9)

	Sem. Hrs.
Basic Studies Requirements (p. 56)* (To include six hours each of literature and history.)	45
Major Requirements (4-9)** EDN 102, 413; CMA 371; EED 310, 383, 394; Health 311; Math 102; Music 299; Phys. Ed. 316; one required and (2 recommended) subject matter areas of concentration, and sufficient electives to total 51 semes- ter hours.	51
Professional Education Requirements EDN 202, 227, 304, 307, 443, 447, 475;	24
Total	<hr/> 120

* 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 (4-9) 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.; Speech and Drama, 18 hrs.; Foreign Languages, 18 hrs.; Art, 18 hrs.; Language Arts, 24 hrs. A student who chooses Intermediate Grades Education (4-9) as his major completes two subject-matter areas of concentration. See 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 check-sheets 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. Hrs.
Basic Studies Requirements (p. 56)*	45
Major Requirements	51
EDN 102, 410 or 413 or 419, 424, 425, 483, 484, 485, 486	
MUS 209	
SED 340	
ART 108B, 225	
HED 310 or 311	
PED 316 or 319	
CMA 101, 318	
EED 382 or 383, 394	
Professional Education Requirements	24
EDN 202, 227, 301 or 304, 306 or 307 or 308, 441, 450, 478	
Electives	0
Total	120

Students who plan a major in Reading Education should consult with the Department 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 check-sheets 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. 56)*	45**
Major Requirements	48**
SED 100, 200, 210, 301, 340	
EDN 102, 410, or 413, 425	
Phy. Ed. 418	

Art 224	
Music 209, 224	
Eng. Ed. 318, 382, or 383 or 384, 394	
Psych. 299	
Professional Education Requirements	21
EDN 202, 227, 306 or 307 or 308	
SED 444, 449, 470	
Electives	12
	Total
	120

* 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)

100. 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.

101. 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.

102. Developmental Language Arts

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

202. 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.

227. 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 at the intermediate (4-9) and secondary levels. Fall, Spring, Summer. Credit, 3 semester hours.

301. Early Childhood Curriculum (K-3)

Prerequisite: EDN 202.

A study of curriculum emphasizing the interrelationship between content, method, and child development. Required of all K-3 majors. Fall, Spring, Summer. Credit, 3 semester hours.

304. **Intermediate Grades Curriculum (4-9)**
A study of curriculum as content and method, including innovative instructional media pertaining to the intermediate grades. Fall, Spring, Summer. Credit, 3 semester hours.
306. **Psychology of Early Childhood**
Empirical findings concerning early childhood growth and development and their relevance to early childhood education (K-3). Fall, Spring, Summer. Credit, 3 semester hours.
307. **Human Growth and Development**
Growth and development from conception to adulthood with focus on pre-adolescence (ages 9-13) for Intermediate grades (4-9) 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 grades K-3. (Not to be taken earlier than two semesters 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 grades 4-9 (Not to be taken earlier than two semesters prior to student teaching.) Fall, Spring, Summer. Credit, 3 semester hours.
416. **Principles of Guidance**
A course dealing with the principles, methods, materials, and techniques of understanding the school child, his relationships with his peers, adults, school, and the world of work in his future. Spring or 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 to 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 to 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 to 6 semester hours.

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 (K-3)

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 (4-9)

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.

45. 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.

46. Student Teaching in the Elementary School (K-3)

Provides continuous full-time student teaching experiences in an off-campus school at the elementary level. (See pages 127-128 for eligibility criteria.) Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.

47. Student Teaching in the Elementary School (4-9)

Provides continuous full-time student teaching experiences in an off-campus school at the intermediate level. (See pages 127-128 for eligibility criteria.) Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.

48. Student Teaching in the Secondary School

Provides continuous full-time student teaching experience in an off-campus public school in the subject area for which the candidate is preparing to teach. (See pages 127-128 for eligibility criteria.) Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.

50. Student Teaching in Reading Education

Provides continuous full-time student teaching experiences in an off-campus school in the teaching of reading. (See pages 127-128 of the Pembroke State University General Catalog, 1978-1980, for eligibility criteria.) Pass/Fail grading. Fall, Spring. Credit, 6 semester hours.

55. Workshop in Elementary School Science

Designed to provide the in-service teacher with opportunities for organizing materials and techniques used in the teaching of science. Emphasis is placed on experiments and demonstrations involving pupil participation. Summer. Credit, 3 semester hours.

63. Workshop in Teaching Modern Arithmetic in the Elementary School

Designed to assist elementary teachers in the preparation and planning of an effective contemporary mathematics program for grade levels K-3 and 4-9. Summer. Credit, 3 semester hours.

65. The Open Classroom

A study of educational innovations in the classroom as emerging patterns of contemporary education; individualized instruction; team teaching; differentiated staffing; individualized planning and evaluation; and flexibility of media utilized in individualizing instruction. Fall, Spring, Summer. Credit, 3 semester hours.

64. Techniques, Materials and Resources in Early Childhood Education (K-3)

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 kindergarten and the first three grades. Accelerated. Fall, Spring, Summer. Credit, 3 semester hours.

475. Techniques, Materials and Resources in Intermediate Grades Education (4-9)

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 Head of the Department. Designed to give in-service or pre-service teachers supervised practicum in the diagnosis and correction of reading disabilities. Fall, Spring, or Summer. Credit, 3 semester hours.

480. Seminar in Reading Instruction

Prerequisite: Permission of the Head of the Department.

Provides the student an opportunity to experiment and/or conduct an independent study of selected problems or projects in the teaching of reading. Fall, Spring, or 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)

00. **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.
00. **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.
01. **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.
10. **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.
20. **Teaching the Severely Retarded**
Study of the severely and profoundly mentally retarded as an educational, psychological and social problem; includes characteristics, identification, prevalence, and educational provisions. Fall, Spring, and/or Summer. Credit, 3 semester hours.
30. **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, and/or Summer. Credit, 3 semester hours.
0. **Learning Disabilities of Children**
Definition, description, and educational remediation of childhood learning disabilities. Fall, Spring, or Summer. Credit, 3 semester hours.
0. **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, or Summer. Credit, 3 semester hours.
0. **Teaching Disadvantaged Children**
A practical study of the characteristics, communicative problems, and environmental influences affecting the culturally deprived child, with appropriate teaching strategies for educating disadvantaged children. Fall, Spring, or Summer. 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, or 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, or Summer. 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, or Summer. Credit, 3 semester hours.

EDUCATIONAL MEDIA (EDM)**258, 259; 358, 359; 458, 459. Radio Broadcasting Laboratory (Elective)**

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. Fall, Spring, or Summer. Credit, 1 semester hour.

360. Introduction to Graphic Arts (Elective)

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 (Elective)

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, or 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 picture

pictures, teaching machines, programmed instruction and experimental innovations. Fall, Spring, or Summer. Credit, 3 semester hours.

66. **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.

GEOLOGY AND GEOGRAPHY

Chairman: THOMAS E. ROSS

ELIZABETH H. KUO

GERALD C. BORLAN

The purpose of this Department is twofold. One is to provide a wide assortment of courses which can be used by the student to meet Basic Studies requirements. The second objective is to provide an adequate number of more advanced courses for students interested in obtaining a better than average educational background in specific geographic areas of the world.

No major is offered in either geology or geography.

Lower level introductory courses are designed to give the student a broader appreciation of the interesting environment in which he lives. Introductory courses in such widely diversified fields as astronomy, cartography, climatology, earth science, earth history, geology, geography, and oceanography are offered.

The choice of courses in the field of geography is especially broad. The selection ranges from introductory courses through cultural, economic, and urban geography to detailed, in-depth, courses about specific geographic areas of the world.

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

COURSES

GEOLOGY (GLY)

Geology courses may be used to meet Basic Studies requirements under Natural Science and Mathematics area.

100. 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 laboratory is optional. Fall, Spring. Credit, 3 semester hours.

100L. Introduction to Physical Geology Laboratory

Prerequisite: Current enrollment in or completion of GLY 100.

A laboratory 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 laboratory is optional. As announced. Credit, 3 semester hours.

01L. Introduction to Earth History Laboratory

Prerequisite: Current enrollment in or completion of GLY 101.

A laboratory for the study of plant and animal fossils, environments of deposition, geologic maps. As announced. Credit, 1 semester hour.

15. Introduction to Earth Science

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 laboratory is optional. As announced. Credit, 3 semester hours.

15L. Introduction to Earth Science Laboratory

Prerequisite: Current enrollment in or completion of GLY 115.

A laboratory 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.

36. 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. Spring. Credit, 3 semester hours.

56. 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.

36. Physical Regions of the World

Survey of the major physiographic regions of the world by continents, with emphasis on geology, topographic features, climate, soils, vegetation, mineral resources, and economic potential. As announced. Credit, 3 semester hours.

46. Climatology (GGY 246)

The same course as GGY 246. Fall. Credit, 3 semester hours.

66. 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 and Spring. Credit, 3 semester hours.

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, formation, and classification. The second part explains the use of soil survey maps in urban and agricultural land use. Spring. Credit, 3 semester hours.

199. Physical Geography

Description, analysis and interpretation of physical patterns. The earth in space. Land forms and surface configurations. Climate, vegetation and soil. 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.

206. Economic Geography (ECN 206)

Location, development and distribution of major industries, agricultural products, and economic services. Fall and 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.

359. Settlement Geography

Geographic factors in location, organization and operation of rural and urban settlement. Historical approaches. Location theory. Hierarchies. As announced. 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.
71. **Africa**
As announced. Credit, 3 semester hours.
72. **North America**
As announced. Credit, 3 semester hours.
73. **Asia**
As announced. Credit, 3 semester hours.
74. **Europe**
As announced. Credit, 3 semester hours.
75. **Latin America**
As announced. Credit, 3 semester hours.
76. **Soviet Union**
As announced. Credit, 3 semester hours.

HEALTH, PHYSICAL EDUCATION AND RECREATION

Chairman: RAYMOND B. PENNINGTON

ELLEN J. BRYAN
GLORIA CANONIZADO
MARILYN CHRISTOPH
EDWIN W. CRAIN
HAROLD T. ELLEN
JOSEPH J. GALLAGHER

LACEY E. GANI
KENNETH P. JOHNSON
DANIEL KENNEY
ANDRE J. NADEAU
HAROLD M. OLSON
MAUDE ANN WEBB

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.

GREGORY LOW MEMORIAL SCHOLARSHIP

This scholarship, in the amount of \$100, is provided for five years by Mrs. Donna Low, wife of Gregory Low. The scholarship will be awarded to a physical education major during his senior year, and will be based on academic and general physical education aptitude during the student's attendance at Pembroke State University prior to the senior year.

Requirements for a Bachelor of Science Degree in Health, Physical Education and Recreation

Basic Studies (p. 56)*

Major Requirements: Health Education 214; 309; 311; 315; 414
or 418; Physical Education 134 or 140; 138 or 148; 200;
230, 231, 232 (2 of 3); 316 or 319; 325; 336; 340; 341;

Sem. 3.

4.

348; 349; 350, 351, 352, 353, 354, 355, 360, 364, 366 (any 3); 415; 424; 428	53
Electives	22
	120
Total	

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. 56)* (6 hrs. History and 6 hrs. Literature required)	45
Major Requirements: Health Education 309; 311; 315; Physical Education 134 or 140; 138 or 148; 200; 316 or 319; 325; 336; 340; 341; 348; 349; 350, 351, 352, 353, 354, 355, 360, 364, 366 (any 3); 415; 424	42
Professional Education Requirements: Education 202; 227; 308; 400; 419; 445; 448	24
Electives	9
	120
Total	

Students who plan a major in health, physical education and recreation should consult with the Department Chairman prior to registering for Basic Studies Courses.

COURSES

HEALTH EDUCATION (HED)

14. **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.

414. Adaptive Physical Education

An analysis of activities especially designed and adapted for the exceptional individual. Spring. Credit, 3 semester hours.

418. 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 stunt 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 assigned to a member of the physical education faculty as an assistant. Fall or Spring. Credit, 1 semester hour.

* PED 200 is prerequisite for all 300-400 level courses for physical education major

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.
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 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.
349. **Physiology**
Prerequisite: BIO 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.
350. **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.

- 360. Coaching Field Hockey**
A study of offensive and defensive play; rules, strategies, and conditioning. Fall. Credit, 2 semester hours.
- 364. 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

All service courses meet two hours a week for one-half semester
Credit, 1 semester hour.

- | | |
|----------------------------|---------------------------------------|
| 131. Archery | 144. Trampoline |
| 132. Badminton | 145. Volleyball |
| 133. Beginning Golf | 146. Weight Training |
| 134. Beginning Swimming | 148. Quadrijigging |
| 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 |
| 142. Social 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.

- | | |
|-------------------------------|---------------------------------|
| 150. Varsity Baseball | 158. Varsity Wrestling (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

WILLIAM R. BULLARD
LOREN L. BUTLER, II
AVERY J. BUTTERS
ADOLPH L. DIAL
CHESTER S. L. DUNNING

DAVID K. ELIADES
PAUL K. FREIWIRTH
JEROME A. McDUFFIE
THOMAS A. MASON
*CLIFTON OXENDINE

* Professor Emeritus

History is a liberating discipline. Through the study of political, social and cultural aspects of modern society and the rise and development of major civilizations, the individual is able to expand his insights into 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 French, German or Spanish.

Requirements for a Bachelor of Arts Degree in History

	Sem. Hr
Basic Studies (p. 56)*	45**
Major Requirements	
History	42
Basic History	
History 127, 201, 244, 265, and 280	(15)**
Advanced History (300 and 400 level courses)	(27)
Three courses each from the American and European areas, two courses from the Latin American and non-Western area, and History 451 (Senior Seminar).	

Social and Behavioral Sciences	12
Choose four of the following fields:	
Economics 201 or 206	
Geography 101 or 200	
Political Science 100 or 101	
Psychology 101	
Sociology 101 or 201	
Electives	15-36****
Total	120

- * Students who plan a major in history should consult with the Department Chairman prior to registering for Basic Studies Courses.
- ** Literature (will meet Basic Studies requirements):
Six semester hours in American Literature (choose from CMA 220, 222, 223) or six semester hours in English Literature (choose from CMA 217, 218, 219) or six semester hours in World Literature (CMA 205, 206).
- *** Six hours of History can be counted under Basic Studies.
- **** The number of elective course hours will vary when overlap or duplication occurs between Basic Studies and Major Requirements.

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; but 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 page 126 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.

	Sem. Hrs.
Basic Studies Requirements (p. 56)*	45
History Requirements	30**
History 127, 201, 244, 265, 280, and 317	
Six semester hours selected from History 321, 337, 344, 351, 382, 383, 394, and 419	

Six semester hours selected from History 305, 306, 308, 310, 311, 313, 319, 360, 404, 405, 408, 410, 414, and 415	27
Social Studies	
Economics 201 or 206	
Geography 101 or 200	
Political Science 100 or 101	
Sociology 101 or 201	
Social Studies Education 300 and 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	24
Education 202, 227, 308, 419, 445, and 448	
Social Studies Education 400	
Total	120

* Literature (will meet Basic Studies requirements)

Six semester hours in American Literature

(Choose from CMA 220, 222, 223) or six semester hours in English Literature (choose from CMA 217, 218, 219) or six hours in World Literature (CMA 205, 206).

** Six semester hours of History can be counted under Basic Studies.

COURSES (HST)

HISTORY

INTRODUCTORY COURSES

107. Western Civilization

A survey of western civilization from its pre-Greek origins to 1648, with emphasis on classical and medieval, Renaissance, and Reformation periods. Fall, Spring. Credit, 3 semester hours.

108. Western Civilization (cont'd)

A survey of western civilization from the Thirty Years War to the present. Fall, Spring, Summer. Credit, 3 semester hours.

127. Introduction to 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.

207. American History

A survey of the development of the American nation from the discovery of America through the Civil War. Fall, Spring. Credit, 3 semester hours.

208. **American History**
A continuing survey of the development of the American nation from 1865 to the present. Fall, Spring, Summer. Credit, 3 semester hours.
210. **History of the American Indian (AIS 210)**
A survey of the major Indian cultures in 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, 1607-1775**
Prerequisite: HST 201 or permission of instructor.
A study of the American colonial experience to the outbreak of the War for Independence. Fall. Credit, 3 semester hours.
306. **United States History: The Revolutionary and Early National Period, 1775-1800**
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 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.
404. **History of the Old South**
Prerequisite: HST 201 or permission of instructor.
A political, economic and cultural study of this section; the growth of sectionalism; the South and the War of 1812; the conflict leading up to the outbreak of the Civil War. Fall. Credit, 3 semester hours.
405. **History of the New South**
Prerequisite: HST 201 or permission of instructor.
A study of the postwar South and its efforts to reemerge as a prosperous and equal partner in the American union. 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 Richard Nixon. 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.
414. **History of U. S. Foreign Policy to 1900 (PLS 414)**
Prerequisite: HST 201 or permission of instructor.
A study of the major trends, issues, and problems in American diplomacy from the Colonial period through the Spanish-American War. Fall. Credit, 3 semester hours.
415. **History of U. S. Foreign Policy in the 20th Century (PLS 415)**
Prerequisite: HST 201 or permission of the instructor.
A study of the major trends, issues, and problems in American diplomacy from the Spanish-American War to the present. 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 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 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.

383. 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.

384. 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.

394. 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 relations of Canada with the United States and the British Commonwealth. Fall, Spring. Credit, 3 semester hours.

431. 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

102. 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.

426. 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.

451. 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**338. 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.

425. World Revolutions

Prerequisite: Permission of instructor.

An examination of the causes, course, and consequences of the major revolutions 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.

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, 1-3 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.

300. 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.

360. 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, 3 semester hours.

361. 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, 3 semester hours.

400. 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.

HOME ECONOMICS

Chairman: ANNIE MERLE W. ELAM

AGNES O. GREENE

DOROTHY U. SMITH

Three programs for majors are available in the Department of Home Economics: (1) General Home Economics, (2) General Home Economics with an instructional program track in food services, and (3) Home Economics Education. General home economics majors may enter business and professional careers as well as the career of home-making. The track in food services will help prepare students for careers in the food industry. Home economics education majors may enter the field of teaching in addition to the other areas open to home economists.

All courses are open to non-home economics majors if prerequisite requirements are met.

Requirements for a Bachelor of Science Degree in Home Economics: General Home Economics

	Sem. Hrs.
Basic Studies (p. 56)*	45
Major Requirements	
Core Courses: Home Economics 111, 112, 301, 303, 310, 321, 401, 422	
Additional Courses: Twelve additional semester hours of home economics electives	36
Electives	39
Total	120

Requirements for a Bachelor of Science Degree in Home Economics: General Home Economics with an Instructional Program Track in Food Services

	Sem. Hrs.
Basic Studies (to be chosen after consultation with adviser) (p. 56)*	45
Major Requirements	
Core Courses: Home Economics 111, 112, 301, 303, 310, 321, 401, 422	
Additional Courses: Home Economics 222, 300, 333, 405, 406, 450	42
Electives (to be chosen after consultation with adviser)	33
Total	120

Requirements for a Bachelor of Science Degree in Home Economics: Home Economics Education with Certification by the State to Teach Home Economics at the Secondary Level

	Sem. Hrs.
Basic Studies (to include six hours each of literature and history) (p. 56)*	45
Major Requirements	
Core Courses: Home Economics 111, 112, 301, 303, 310, 321, 401, 422	
Additional Courses: Home Economics 101, 300, 400, 403, and four additional semester hours of home economics electives	39
Professional Education Requirements	
Education 202, 227, 308, 419, 445, 448	21
Electives	<u>15</u>
Total	120

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

COURSES (HEC)

GENERAL

150. Field Work in Home Economics

Prerequisite: Permission of Department Chairman.

Field experience chosen by the student based on interest, aptitudes, and community needs, conducted in cooperation with an approved agency. Supervised by departmental staff. Fall, Spring. Credit, 1 to 3 semester hours.

199. Independent Study

Prerequisites: Permission of Department Chairman, receipt of written proposal in advance of registration.

Directed reading, research or problem solving in a specific area in home economics under the guidance of an instructor. Offered by arrangement. Credit, 1 to 3 semester hours.

CHILD DEVELOPMENT AND FAMILY RELATIONS

202. Home Nursing and Family Health

A study of the prevention of illness, general procedure in caring for the sick in the home, physical care of infants, foods for the sick. Two lectures weekly. Spring. Credit, 2 semester hours.

203. Child Development

A study of the physical, mental and social development of the child. Discussions of student reports on observations made and supervision of a child. Three lectures weekly. Fall. Credit, 3 semester hours.

310. Family Relations

Designed to assist students in preparation for marriage and family living. Three lectures weekly. Fall. Credit, 3 semester hours.

CLOTHING AND TEXTILES**101. Textiles**

A study of fibers, the various methods of fabric and clothing production, and the application of the latest technological developments in these areas. Designed to develop intelligent purchases and proper care of textile merchandise. Two lectures, one double laboratory period weekly. Fall. Credit, 3 semester hours.

112. Clothing Selection and Construction I

Study of family clothing needs, budgeting, and storage; construction of simple garments. One lecture, two double laboratory periods weekly. Fall. Credit, 3 semester hours.

221. Clothing Selection and Construction II

Prerequisite: HEC 112.

Principles in selection of ready-made clothing, including study of design and fitting, economic factors, fabric, and quality workmanship. Application of principles. One lecture, two double laboratory periods weekly. Spring. Credit, 3 semester hours.

304. Applied Dress Design and Construction

Prerequisite: HEC 112.

Principles of flat pattern designing. Modifications of patterns in relation to fit. One lecture, two double laboratory periods weekly. Spring. Credit, 3 semester hours.

408s. Crafts and Hobbies

A course designed to teach the fundamentals of various hand crafts, such as knitting, crewel embroidery, swedish weaving, etc. Summer. Credit, 3 semester hours.

421. Tailoring Techniques

Prerequisite: HEC 221.

An advanced course in clothing construction. Designed to include all the fine details of tailoring, fitting, and pattern alteration. Construction of tailored garments. Three double laboratory periods weekly. Fall. Credit, 3 semester hours.

423. Historic Costume

A study of costume from ancient to modern times, with emphasis on social, economic, and historical aspects of dress. Three lectures weekly. Spring. Credit, 3 semester hours.

FOODS AND NUTRITION**111. Food Selection and Preparation**

Theory and practice in planning, marketing, storing, preparing and serving of

food for family meals. One lecture, two double laboratory periods weekly. Fall. Credit, 3 semester hours.

22. Meal Management

Prerequisite: HEC 111.

Further study and practice in planning, marketing, preparing and serving of food for family meals and special functions. One lecture, two double laboratory periods weekly. Spring. Credit, 3 semester hours.

01. Nutrition

A study of the fundamental principles of human nutrition and their application in the selection of diets at different cost levels and the adaptation of diet to common disorders. Three lectures weekly. Fall. Credit, 3 semester hours.

33. Advanced Foods

Prerequisites: HEC 111 and 222 or permission of Department Chairman.

Cookery principles, skills, efficiency and management emphasized in organization, preparation and service of food for various occasions. Includes food preservation, quantity cookery, catering, cake decorating and gourmet cookery. One lecture, two double laboratory periods weekly. Fall. Credit, 3 semester hours.

05. Institution Management

Administration and management of institutional food services. Job analysis, employee training, personal relations, equipment requirements, and sanitation. Three lectures weekly. Fall. Credit, 3 semester hours.

06. Diet Therapy

Prerequisites: HEC 301 and CHM 100.

Role of nutrition and diet in the prevention and treatment of disease. Three lectures weekly. Spring. Credit, 3 semester hours.

HOME ECONOMICS EDUCATION

0. Occupational Home Economics

A study of job classification and competency requirements for entry level skills in home economics related occupations for the secondary school student. Fall or Spring. Credit, 3 semester hours.

0. Home Economics Education. Methods of Teaching Home Economics

A study of the organization and methods of presentation of subject matter adapted to high school home economics classes, texts, audio-visual materials, evaluation devices, and department equipment. Fall, Spring. Credit, 3 semester hours.

0. Middle Grades Occupational Exploration

Prerequisite: Certification in an area of vocational education, or potential certification.

Designed to prepare the student to teach in the middle grades occupational exploration programs. Emphasis is placed on career development, occupational information, youth organizations, instructional materials and evaluation of programs. Fall or Spring. Credit, 3 semester hours.

411. Middle Grades Occupational Exploration: Service Laboratory
Prerequisite: HEC 410 and certification in home economics education, or potential certification.
The second course required for dual certification in Occupational Exploration and Home Economics Education. Exploration of occupations in five clusters: Consumer and Homemaking; Health Occupations; Personal Service; Public Service; Hospitality and Recreation. Development of scope and sequence and units of instruction. Fall or Spring. Credit, 3 semester hours.

HOUSING AND MANAGEMENT

321. Consumer Education
Understanding processes in marketing organization, labeling and grading of commodities; consumer problems affecting cost in relation to clothing, food, and home furnishings. Three lectures weekly. Spring. Credit, 3 semester hours.
351. House Planning
A course in housing, related to the home and its environment, its sociological, economic, and legal considerations, and the federal, state, and local groups governing it. Two lectures, one double laboratory period weekly. Spring. Credit, 3 semester hours.
401. Home Management
A study of management principles as they relate to the use of resources in the home. Three lectures weekly. Fall or Spring. Credit, 3 semester hours.
402. Household Equipment
Fundamental principles and management involved in selection, arrangement, use and care of household equipment. Two lectures weekly. Spring. Credit, 2 semester hours.
403. House Residence
Prerequisite or parallel: HEC 401.
Six weeks of supervised residence in the Home Management House. Application of principles of home management to required activities. Group conferences. Fall, Spring. Credit, 2 semester hours.
422. Home Furnishings
A study of the house and its arrangements for satisfactory family living. Emphasis given to selection and arrangement of furniture and furnishings. Practical problems undertaken. Two lectures, one double laboratory period weekly. Fall. Credit, 3 semester hours.
431. Interior Decorating
Prerequisite: HEC 422.
Application of art principles and elements in relation to home furnishings and decoration. Development of creative ability in interior design. Two lectures, one double laboratory period weekly. Spring. Credit, 3 semester hours.

MATHEMATICS

Chairman: JAMES R. KRABILL

CHARLES D. BASS
 DAVID L. COZART
 ROBERT M. GEIST III
 JOSEPH W. GOLDSTON
 Professor Emeritus

FRANK J. HALL
 JAMES A. JACOBS*
 RICHARD H. SADY
 GILBERT L. SAMPSON

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.

For mathematics majors there are two programs, whose requirements are listed below. A mathematics major will be able to work with departmental advisor, who will help select a sequence of mathematics courses, computer science courses (if appropriate), Basic Studies courses, and electives outside the department. The sequence will be designed to establish a firm foundation in the discipline and related disciplines and fit the interests and ambitions of the student.

Students should fulfill the Basic Studies requirement in mathematics by taking one or two courses from the mathematics courses numbered up to 222 or Computer Science 200. Computer Science 100 does not count toward Basic Studies.

The Department offers to all students a substantial selection of introductory and advanced courses in both pure and applied mathematics, as well as an eighteen-hour specialty concentration in the rapidly growing related field of Computer Science. All students will be provided with a meaningful exposure to this liberal art which has been a part of man's intellectual training for almost three thousand years.

Requirement for a Bachelor of Science Degree in Mathematics

	Sem. Hrs.
Basic Studies (p. 56)*	45
Major Requirements	
Mathematics 107 and 108, or Mathematics 109, or equivalent courses in secondary school; also 220, 221, 222,	

315, 316, 325, 431, and nine additional semester hours of advanced mathematics	33-39
Electives	<u>36-42</u>
Total	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. 56)*	Sem. Hr.
Major Requirements	45
Mathematics 107 and 108, or Mathematics 109, or equivalent courses in secondary school; also 220, 221, 222, 315, 316, 325, 411, 431, and six additional semester hours of advanced mathematics	33-39
Professional Education Requirements	
Education 202, 227, 308, 400, 419, 445, 448	24
Electives	<u>12-18</u>
Total	120

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

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. 101 is required for K-3, 4-9, and special education majors. 102 is required for 4-9 majors. 101 offered Fall, Spring and Summer; 102 offered Spring and Summer. Credit, 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 at any angle, fundamental trigonometric relations, graphs of the trigonometric

functions, solution of oblique triangles, logarithmic solution of triangles. Fall, Spring, Summer. 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.

205. Introduction to Statistics

Elementary probability and statistics; measures of central tendency and variability, grouped data and graphs, properties of the normal distribution, central limit theorems, hypothesis testing. Spring. Credit, 3 semester hours.

ANALYSIS (MAT)

21. Calculus I

Prerequisite: MAT 108 or MAT 109 or equivalent.

Topics from algebra and analytic geometry. Algebraic functions, limits and continuity of algebraic functions. The derivative of algebraic functions and applications of the derivative. Fall, Spring, Summer. Credit, 4 semester hours.

22. 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.

16. 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.

22. 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.

431. 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.

432. 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 integration. L_p spaces. As announced. Credit, 3 semester hours.

444. Complex Analysis

Prerequisite: MAT 315.

The complex numbers, analytic functions, conformal mappings, contour integration, Cauchy's theorem and integral formula. Taylor and Laurent expansions, 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, inner products. Applications of matrices to problems involving systems of equations. 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 bases, Gram-Schmidt process. Simplification of quadratic forms and other applications. As announced. Credit, 3 semester hours.

325. Algebra I

Prerequisite: MAT 315.

Introduction to groups, integral domains, rings and fields, with further study 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. Fall. 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, 3 semester hours.

APPLIED MATHEMATICS (MAT)

327. Numerical Analysis

Prerequisite: MAT 315.

An introduction to the solution of mathematical problems by computational techniques, including both finite and iterative methods and some error analysis. Fall. Credit, 3 semester hours.

28. 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.

29. Applied Mathematics

Prerequisite: MAT 315.

Selected topics from ordinary and partial differential equations. Fourier series, boundary value problems, Laplace transforms, complex variables. Spring. Credit, 3 semester hours.

30. Probability and Statistics II

Prerequisites: MAT 316 and MAT 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

40. 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.

41. College Geometry

Prerequisite or corequisite: MAT 315.

A study of the development of Euclidean geometry from the metric and syn-

thetic 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 to 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 Data Processing and Computer Science

Overview of the computer, the local computing environment, and use of canned programs. History of data processing and computers. Introduction to computer systems and procedures. Computer arithmetic. Concepts of computer programming and systems design. Fall, Spring. Credit, 3 semester hours.

200. Introduction to Computer Programming-Fortran

Prerequisites: CSC 100 and MAT 107 or equivalent.

A first course in programming. Introductory concepts of computer organization and systems. Language details, and programming techniques. Spring. Credit, 3 semester hours.

300. Computer Programming and Algorithms — PL/one

Prerequisite: CSC 200.

A second high-level programming language. More advanced programming techniques, comparison of PL/one with Fortran. Programming projects including at least one from the students' field of interest. Formulation of algorithms and programming. As announced. Credit, 3 semester hours.

340. Applications of Computers

Prerequisite: CSC 200.

Survey of computer applications in many areas. Problem solving using computers. Further work on formulation of algorithms and programming. Projects chosen from various application areas including students' area of interest. As announced. Credit, 3 semester hours.

360. Computer Systems

Prerequisite: CSC 200.

The relationships between computer components, structures and systems. Advantages of different machines in different applications. Assembly language concepts. As announced. Credit, 3 semester hours.

375. Computer File Organization

Prerequisite: CSC 200.

Data structures, concepts and algorithms used in solution of nonnumerical problems. Applications to data management systems, file organization, information retrieval, list processing. As announced. Credit, 3 semester hours.

MUSIC

Chairman: HAROLD C. SLAGLE

WILLIAM F. FRITZ
 DORIS B. JOHNSON
 MARY CAROL MAY
 FRANCIS L. PFEIFER

ELMA L. RANSO
 ROBERT L. ROMI
 GEORGE R. WALT

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 cultural life of the University and the community.

The Department offers the following programs leading to the Bachelor of Science degree in Music Education with certification and the Bachelor of Arts degree in Music. The Music Education program offers an emphasis in Vocal, Keyboard, and Instrumental Music.

Requirements for a Bachelor of Arts in Music

Basic Studies Requirements (p. 56)*	Sem. I
Major Requirements:	45
Music 113, 114, 115, 159, 160, 100 or 141, 101 or 142,	
214, 215, 259, 260, 200 or 241, 201 or 242, 332, 337,	
338, 327 or 328, 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 Study 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

Basic Studies Requirements (p. 56)*	Sem. I
Major Requirements:	45
Music 113, 114, 115, 159, 181 or 159, 100, 160,	

182 or 160, 101, 214, 215, 205, 206, 259, 260, 281 or 259, 282 or 260, 200, 201, 271, 171, 172, 359, 360, 327, 328, 337, 338, 405, 300, 301, 430, 334, 401, 404, and 459.	51
Professional Education Requirements: Education 202, 227, 308, 419, 445, 448; and Music 400	24
Electives	<u>0</u>
Total	120

* Students who plan a major in music or music education should consult with the Department Chairman prior to registering for Basic Study courses.

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

Basic Studies Requirements (p. 56)*	Sem. Hrs. 45
Major Requirements: Music 113, 114, 115, 191, 192, 181, 182, 141, 142, 159, 160, 214, 215, 205, 206, 281 or 259, 282 or 260, 241, 242, 171, 172, 271, 259, 260, 359, 360, 327, 328, 334, 337, 338, 341, 342, 404, 420, 459, 430.	52
Professional Education Requirements: Education 202, 227, 308, 419, 445, 448; and Music 400	24
Electives	<u>0</u>
Total	121

Students who plan a major in music or music education should consult with the Department Chairman prior to registering for Basic Study courses.

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

Basic Studies Requirements (p. 56)	Sem. Hrs. 45
Major Requirements: Music 113, 114, 115, 191, 159 (20 or 21), 100, 192, 160 (20 or 21), 101, 214, 215, 205, 206, 259 (20 or 21), 260 (20 or 21), 200, 201, 271, 171, 172, 359 (20 or 21), 360 (20 or 21), 327, 328, 337, 338, 405, 335, 336, 334, 430, 435, 404, 425, 459 (20 or 21).	52
Professional Education Requirements: Education 202, 227, 308, 419, 445, 448; and Music 400	24
Electives	<u>0</u>
Total	121

Students who plan a major in music or music education should consult with the Department Chairman prior to registering for Basic Study courses.

COURSES (MUS)

THEORY AND GENERAL MUSIC

113. 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.)

114. 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. Sight singing, part-writing, and keyboard harmony skills will be developed. Three hours class work and one hour laboratory per week. Spring. Credit, 3 semester hours.

115. Theory II

Prerequisite: MUS 114 (Theory I).

A continuation of MUS 114. Three hours class work and one hour laboratory per week. Fall. Credit, 3 semester hours.

214. Theory III

Prerequisite: MUS 115 (Theory II).

A study of advanced music theory using harmonic techniques of the nineteenth and twentieth centuries. Diatonic and chromatic procedures will be utilized. Three hours class work and one hour laboratory per week. Spring. Credit, 3 semester hours.

215. Theory IV

Prerequisite: MUS 214 (Theory III).

A continuation of Music 214. Three hours class work and one hour laboratory per week. Fall. 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, listening, 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

Prerequisite: MUS 115 (Theory II) 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.

327. Choral Conducting

A laboratory course which includes the study of choral techniques, cho

development, and supervised conducting experience. Fall. Credit, 2 semester hours.

328. Instrumental Conducting

A laboratory course which includes the study of instrumental scores and advanced conducting techniques. Spring. Credit, 2 semester hours.

332. Form and Analysis

Prerequisite: MUS 215 (Theory IV).

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 (Theory IV).

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 (Theory II) 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. Credit, 2 semester hours.

90. 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. Fall. Credit, 3 semester hours.

04. Senior Recital

Offered to senior music majors participating in the public recital. Credit is given by permission of the instructor and Department Chairman. Fall, Spring. Credit, 0-2 semester hours.

25. 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. Fall, Spring. Credit, 2 semester hours.

26. 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.

430. 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 (Theory IV).

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 (Theory IV) 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 (Organ) or the equivalent.

A study of the musical liturgy of the Catholic, Jewish, and Protestant service. 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 head. Directed study and research in the student's major field of interest. Fall or Spring. Credit, 1 to 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 successfully 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.

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.

1. Class Woodwind

A concentrated study in fundamentals and playing techniques for Flute, Oboe, Clarinet, Saxophone, and Bassoon. Spring. Credit, 1 semester hour.

2. 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, 182. Class Piano I and II

A concentrated group study of keyboard harmony and playing techniques for beginners. Classes must be taken in sequence. Fall, Spring. Credit, 1 hour each semester.

281, 282. Class Piano III and IV

Prerequisites: MUS 181 and 182.

Class Piano III and IV continues the non-keyboard major's pianistic development with emphasis on the practical aspects of reading, harmonization, and transposition. Classes must be taken in sequence. Fall, Spring. Credit, 1 hour each semester.

191, 192. Class Voice I and II

A concentrated group study of singing techniques and vocal development including sight-singing. Classes must be taken in sequence. Fall, Spring. Credit, 1 hour each semester.

205, 206. Class Strings I and II

A concentrated study of the fundamentals and playing techniques of the orchestral stringed instruments. Fall, Spring. Credit, 1 hour each semester.

271. Class Percussion

A concentrated study in fundamentals and playing techniques of percussion instruments. Fall. Credit, 1 semester hour.

PERFORMING ORGANIZATIONS**100, 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 concert throughout the year. Fall, Spring. Credit, 1 hour each semester.

107, 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 hour each semester.

141, 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 hour each semester.

156, 157; 256, 257; 356, 357; 456, 457. University Singers

Membership in the University Singers is open to all students by audition. The Singers 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 hour each semester.

162, 163; 262, 263; 362, 363; 462, 463. University Swingers

Membership in the University Swingers is open to all students by audition. The Swingers study of technical, stylistic and aesthetic elements of jazz literature through rehearsal and public performance. Fall, Spring. Credit, 1 hour each semester.

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 techniques of accompanying vocal and instrumental solo and ensemble literature. Fall, Spring. Credit, 1 hour each semester.

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.

20. 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. Credit, 3 semester hours.

PHILOSOPHY AND RELIGION

Chairman: ROBERT K. GUSTAFSON

TIMOTHY S. BAUER YOCUM
G. LEA HARPER, JR.
I. RUTH MARTIN

MAURICE STANLEY
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 or in planning for graduate study.

A combined major in philosophy and religion of thirty-six hours is offered. There are two alternate concentrations.

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. 56)*

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.

Consultation with your advisor will help determine the proper ratio.

Sem. Hr.
45

36

Examples:

Philosophy Emphasis

Philosophy	24	27	30
Religion	<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 102 3 hours

Total 6 hours

Required Religion

General

- 1. Religion 130 3 hours

Biblical

- 2. Religion 113 or 114
or 211 or 212 3 hours

Comparative

- 3. Religion 216,
or 218 or 315 3 hours

Religious Thought

- 4. Religion 307 or 319 3 hours

Total 12 hours

Total 18 hours

Philosophy Emphasis

Required Religion

General

- 1. Religion 102 3 hours
- 2. Religion 130 3 hours

Total 6 hours

Required Philosophy

General

- 1. Philosophy 100 3 hours

Logic

- 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

	<u>39</u>
Total	120

COURSES

PHILOSOPHY (PHI)

GENERAL

100. Introduction to Philosophy

A survey of the major issues and philosophers in the history of western philosophy. Fall, Spring. Credit, 3 semester hours.

102. Perspectives on Man (REL 102)

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

211. 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, 3 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 beliefs 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.
- 323. Philosophy of Art and Beauty**
A study of aesthetic values in nature, art, literature, music, and drama. Alternate Spring. Credit, 3 semester hours.
- 376. 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.
- 377. 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 nine 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 quality point average of 2.5 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.

RELIGION (REL)**GENERAL****102. Perspectives on Man (PHI 102)**

A study of the dominant understandings of man. Philosophical, religious, scientific, and literary sources are read and discussed. Alternate with REL 104 Religious Understandings of Human Nature. Fall, Spring. Credit, 3 semester hours.

104. Religious Understandings of Human Nature

Various religious interpretations of what it means to be human will be investigated. Questions examined will include: Can man, woman, know God? I

the human being essentially an individual or a social being? Is the human basically religious? Is the person sinful or made in God's image? Representative religious thinkers will be studied for their responses to the issues raised. Alternate with REL/PHI 102, Perspectives on Man. Fall, Spring. Credit, 3 semester hours.

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.

BIBLICAL

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. Origins 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.

211. 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.

212. 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.

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

Prerequisites: REL 130 or REL 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

Prerequisites: 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.

250. The Religious Dimensions of Modern Literature

Prerequisite: REL 102 or 104 or 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.

307. Religious Thought in America

Prerequisite: REL 130 or consent of instructor.

A study of the thought and contributions of several representative American theologians from Puritanism through Neo-Orthodoxy. Alternate Spring. 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, 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.
- 325. Religious Ethics and Personal Life**
Prerequisite: REL 214 or consent of instructor.
In this course the role of religious faith in personal decision-making is explored. Topics examined include: sexuality and marriage, choice of life-style, responsibility in personal relationships, and moral character. Alternate Fall. 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, Spring. Credit, 3 semester hours.
- 350. The Religious Dimensions of Autobiography**
Prerequisite: REL 250 or consent of instructor.
Selected readings from significant spiritual autobiographies, an examination of the autobiographical form as a way of religious discernment, and an excursion into the religious, philosophical, and moral significance of the individual life story. Spring. Credit, 3 semester hours.
- 404. Personality and Religion**
Prerequisite: REL/PHI 102 or REL 104 or consent of instructor.
An examination of psychological contributions to the study of religion, including readings from major figures such as Freud, Jung, and Maslow. Psychological roots of religious development in the individual are examined, and psychological insights into religious practices are presented. Alternate Spring. Credit, 3 semester hours.
- 05. 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 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 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 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

Prerequisite: REL 309.

Applied Religion-Philosophy and Society Practicum. The description of 409 is essentially the same as for 309. The nature of the practicum usually will be different from that of 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. This course may be repeated for credit up to and including nine hours as long as there is no duplication of subject matter. Fall, Spring. Credit, 3 semester hours.

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 quality point average of 2.5 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.

PHYSICAL SCIENCE

Chairman: JOHN S. WALLINGFORD

JOSE J. D'ARRUDA
ANDREW RANSOM
JOHN E. REISSNER

HAROLD 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 and specialty concentration programs in Chemistry and Physics. Interdepartmental programs such as General Science, Environmental Science, etc., may also receive departmental approval.

Requirements for a Bachelor of Science Degree in Chemistry

	Sem. Hrs.
Basic Studies (p. 56)*	45
Major Requirements	
Chemistry 100, 101; 200, 201; 300, 301; 410; 498	28
Elective in Chemistry (above 299)	3
Physics 150, 151 or 200, 201	6
Mathematics 107, 108 or equivalent; 221, 222	8-14
Electives	<u>24-30</u>
Total	120

* Students who plan a major in chemistry or physics should consult with the Department Chairman before registering for Basic Studies courses.

Requirements for a Bachelor of Science Degree in Chemistry with Biochemistry emphasis (for pre-medical, pre-dental, pre-veterinary etc.)

	Sem. Hrs.
Basic Studies (p. 56)*	45

Major Requirements	
Chemistry 100, 101; 200, 201; 300, 301; 311, 498	28
Biology 100; 102; 371; 472	15
Electives in Biology taken from	
Biology 211, 212; 221; 222; 301; 310; 315; 372; 461	8
Physics 150, 151; or 200, 201	6
Mathematics 107, 108 or equivalent	6
Electives (Math 221, 222 recommended)	12
	<hr/>
Total	120

* Students who plan a major in chemistry or physics should consult with the Department Chairman before registering for Basic Studies courses.

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 the 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. A laboratory is included. Fall, Spring. Credit, 4 semester hours.

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.

109. 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.

300, 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.

310. Biochemical Structure and Mechanism

Prerequisite: CHM 101.

Atomic and molecular structure, as applied 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.

311. 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 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 CHOELIZABETH G. FERRIS
GIBSON GRAYMIN-CHUAN KU
WALTER 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. 56)*	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	
303, 313, 314, 324, 333, 336, or 363	3
American Government and Politics	
201, 205, 215, 280, 301, 305, 310, 315, or 317	3
Public Administration	
210, 302, 319, 320, or 331	3
Comparative Government and Politics	
300, 309, 321, 325, or 384	3
International Organization, Relations, and Law	
311, 330, 340, 345, 346s, 350, 351, 354, 414, 415, 431, or 452	3
And fifteen additional hours of Political Science	36
Electives	39
Total	120

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

Requirements for a Bachelor of Arts Degree in Political Science: Pre-Law Option

	Sem. Hrs.
Basic Studies (p. 56)*	45
Major Requirements	
Political Science 100, 101, 333, or 363, 201, 210, 300, 310, 319, and 330	36
Suggested:	
Communicative Arts 101, 225, 277	15
History 107, 108	24
Other Electives	<u>24</u>
Total	120

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

Requirements for a Bachelor of Arts Degree in Political Science: Public Administration Option

	Sem. Hrs.
Basic Studies (p. 56)*	45
Major Requirements	
Political Science 100, 101, 333 or 363, 201, 210, 302, 319, 320, 350, 360, 361	36
Suggested:	
Business Administration 227, 228	12
Economics 201, 202	27
Other Electives	<u>27</u>
Total	120

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

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, functions of, and the relations between the legislative, executive and judicial branches of the national government, and (4) the relations between the national and state governments. Fall, Spring. Credit, 3 semester hours.

THEORY, PHILOSOPHY, AND METHODOLOGY

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.

313. Problems in Modern Political Thought

Prerequisite: PLS 100 or 101.

A study of the philosophical issues raised by the development of modern post-industrial society, with an emphasis on the analysis of concepts like progress, work, time, and alienation and conformity. 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 of psychoanalytic theory. Fall or Spring. Credit, 3 semester hours.

24. 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.

33. 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.

36. Political Sociology (SOC 336)

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.

33. 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**398. 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 and Local Government**

Prerequisite: PLS 100 or 101.

An analytical and comparative study of: (1) the constitutions of states, (2) the structure, powers, functions of, and relations between the legislative, executive and judicial branches of the state and local governments, (3) the relations between the national and state governments, between the states, and between the state and local governments, and (4) the structure, powers and functions of the state government of North Carolina. Fall or Spring. Credit, 3 semester hours

205. 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, its defects and remedies, and (4) 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 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 bases of federalism; national-state-local government conflict and cooperation; 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.

305. Public Opinion and Lobbying

Prerequisite: PLS 100 or 101.

A study of public opinion and lobbying. Spring or Fall. Credit, 3 semester hours.

310. 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.

15. 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.

17. 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.

1. 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.

2. 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.

PUBLIC ADMINISTRATION

2. 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, relationships, 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 government of selected Western and non-Western countries; attention to practices 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.

360. 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.

361. 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.

COMPARATIVE GOVERNMENT AND POLITICS

300. 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.

209. 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.

21. 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.

25. Governments and Politics in the Far East

Prerequisite: PLS 100 or 101.

An examination of the indigenous ideas, institutions, and behavior of the political systems in the Far East with emphasis upon contemporary China, Japan, and Korea. Fall or Spring. Credit, 3 semester hours.

4. 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

1. 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.

3). International Law

Prerequisite: PLS 100 or 101.

A study of (1) the general conception of international law (2) the subjects 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.

340. The Law of War and Cold War

Prerequisite: PLS 100 or 101.

A study of (1) aggression neutrality, blockade and treatment of prisoners of war (2) war in general (3) warfare on land (4) warfare on sea (5) air warfare (6) prohibition of the manufacture and use of biological and chemical agents and other mass destruction weapons (7) control of war (8) renunciation of war. 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. Summer. 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.

351. International Politics and Relations

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 and political advancement of the developing peoples. 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.

414. History of United States Foreign Policy to 1900 (HST 414)

Prerequisite: PLS 100 or 101.

A study of the major trends, issues, and problems in American diplomacy from the Colonial period to the Spanish-American War. Fall or Spring. Credit, 3 semester hours.

415. History of United States Foreign Policy in the 20th Century (HST 415)

Prerequisite: PLS 100 or 101.

A study of the major trends, issues, and problems in American diplomacy from the Spanish-American War to the present. Fall or Spring. Credit, 3 semester hours.

31. 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.

52. 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.

PSYCHOLOGY

Chairman: KATHRYN K. RILEIGH

VON BEATTY
BARRY CHILDERS
DUNCAN L. FOREST

JAMES F. HUBBARD
WRIGHT KILLIAN
DENNIS O'BRIEN

* Adjunct

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:

Basic Studies (p. 56)*	Sem. Hr
Major Requirements	45
Psychology 102, 110, 210, 215, 304, 375, 18 additional	
hours of psychology courses (15 hours must be 300-400 level)	36
Electives	39
	<hr/>
Total	120

COURSES (PSY)

101. Introductory Psychology

An experientially oriented course designed to introduce the student to basic concepts in psychology in ways that they can relate to their own lives. Fall, Spring, and Summer. Credit, 3 semester hours.

102. General 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.

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. Psychology of Personal Growth

How do we grow as persons? What is psychological health? What, in our inner experiences and our interactions with others, affects our personal growth? An experiential/activity oriented course. Fall and Spring. Credit, 3 semester hours.

10. 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.

15. Psychology of Learning

Prerequisite: PSY 102.

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.

6. Introduction to Social Psychology

Prerequisite: PSY 101, 102, 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.

20. 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. Alternate Spring. Credit, 3 semester hours.

20-252. Psychology of Awareness

"Consciousness raising" is a common term in use today, referring to the increasing awareness of issues and experiences that are important in our lives. In these three classes there will be parallel explorations of three important issues of our time from a psychological perspective. Students may enroll in any one, two, or all three of these mini-courses simultaneously. Spring.

250. Psychology of Women. Credit, 1 semester hour.

251. Human Rights. Credit, 1 semester hours.

252. Psychology of Oppression. Credit, 1 semester hour.

27. The Psychology of Peace

An exploration of fundamental issues in war and peace from a psychological perspective. Offered on demand (see Department Chairman). 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 102.

A study of the development of psychology as a discipline from ancient Greece to modern times. Present issues in psychology are traced to their origins. 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 meanings, deafness, and other related topics. Alternate Fall. Credit, 3 semester hours.

312. Cognitive Processes

Prerequisite: PSY 102.

An examination of human memory and thinking within the context of the human information processing model. Spring. Credit, 3 semester hours.

350. 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 and Spring. Credit, 1-3 semester hours.

355. Sensation and Perception

Prerequisite: PSY 102.

An examination of the structures and processes involved in perception. Visual and auditory perception will be emphasized. Alternate Fall. Credit, 3 semester hours.

360. 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.

375. Personality Theories

Various theoretical approaches to the study of personality. Fall. Credit, 3 semester hours.

397. 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 semester hours.

399. 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.

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 and Spring. Credit, 1-6 semester hours.

401. **Physiological Psychology**

The study of the structure and functioning of the nervous system as applied to human behavior. Alternate Spring. Credit, 3 semester hours.

403. **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. Spring. 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 and Spring. Credit, 3 semester hours.

417. **Introduction to Clinical Psychology**

Prerequisite: PSY 102.

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 and Spring. Credit, 3 semester hours.

419. **Advanced Psychological Testing**

Prerequisites: PSY 403 and permission of instructor.

Supervised exposure to administration, scoring and interpretation of individually administered tests and other screening devices used in the schools. Requires extensive reading and research related to specific tests, practicum experiences, and written test score interpretations. Fall. Credit, 3 semester hours.

421. **Experimental Social Psychology**

Prerequisite: PSY 210 or PSY 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.

420. **Learning Theories**

Prerequisite: PSY 215.

A survey of theoretical interpretations of learning. Spring. 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

BOB DUNN, JR.
 BILLY K. GRAHAM*
 NORMAN LAYNE
 DAVID MAKOFSKY

STEPHEN MARSON
 DAVID MILLER
 JOHN RIMBERG
 MICHAEL SELLON*

* Adjunct

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 a major in sociology with concentrations available in Criminal Justice, Guidance, Medical Sociology, and Social Work.

Requirements for a Bachelor of Arts Degree in Sociology

Basic Studies (p. 56)	Sem. Hrs.
Major Requirements	45
Sociology 201, 309, 340, 346, 370, 490 and eighteen additional semester hours of sociology	36
Electives	39
Total	<u>120</u>

Students who plan to major in sociology with Certification by the state to teach Social Studies should consult with the Department chairman prior to registration.

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.

Sociology students who elect to study a second language are advised to select Spanish. Although Spanish is recommended, it is not required.

COURSES (SOC)

METHOD AND THEORY

1. Introduction to Modern Sociology
 Recent developments in sociology, anthropology and social psychology. Social science and public issues. Fall. Credit, 3 semester hours.

110. Introduction to Statistics (MAT 205)
The same course as MAT 205. Credit, 3 semester hours.
201. 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.
390. Junior Seminar on Sociological Concepts
An intermediate-level course in sociological method and theory. Spring. 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.

COMMUNITY DEVELOPMENT

310. Sects, Cults and Religious Movements in America (REL 310)
Prerequisite: SOC 201.
Restriction: Sociology majors only.
Fall of 1978-79 and alternate years. 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 1979-80 and alternate years. Credit, 3 semester hours.
331. Population
Demographic concepts and resources. Population size, structure and distribution. In-migration and other trends. Fall of 1979-80 and alternate years. Credit, 3 semester hours.
332. Rural-Urban Sociology
Community development. Human ecology and settlement. Urbanization and suburbanization. City, town and community planning. Local autonomy and regional planning. Fall of 1979-80 and alternate years. Credit, 3 semester hours.
335. Public Opinion and Lobbying (PLS 305)
Prerequisite: SOC 201.
Restriction: Sociology majors only.
Credit, 3 semester hours.
336. Political Sociology (PLS 336)
Social movements and institutionalized authority. Charisma and legitimacy. Ideology and social structure. Mass persuasion, propaganda and pressure groups. Fall of 1978-79 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. 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 1978-79 and alternate years. Credit, 3 semester hours.
17. **Sociology of Religion (REL 417)**
Prerequisite: SOC 201.
Religious institutions and relationships in modern society. Credit, 3 semester hours.

GUIDANCE

03. **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.
03. **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 1978-79 and alternate years. Credit, 3 semester hours.
09. **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 of 1979-80 and alternate years. Credit, 3 semester hours.
3. **Language and Society (CMA 381)**
Prerequisite: SOC 201.
Restriction: Sociology majors only.
Spring. Credit, 3 semester hours.
33. **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 1979-80 and alternate years. Credit, 3 semester hours.

CRIMINAL JUSTICE

34. **Introduction to Criminology**
Deviance in society. Structure and functions of social controls. Law enforce-

ment and crime prevention. Rehabilitation of delinquents and criminal
Prison reform, probation and other trends in social justice. Fall. Credit,
semester hours.

341. Juvenile Delinquency

Prerequisite: SOC 340.

Social pressure, peer groups and gang behavior. Alienated youth and anti-
social conduct. Treatment programs and community counter-measures.
Prevention of juvenile delinquency. Students spend one-third of course time in
supervised field work. Fall, Spring. Credit, 3 semester hours.

342. Punishment and Correction of Criminals

Prerequisite: SOC 340.

Imprisonment and other forms of punishment. Social organization of peniten-
tiaries, jails and reformatories. Probation and parole. Corrections and treat-
ment. Students spend one-third of course time in supervised field work.
Spring. Credit, 3 semester hours.

343. Law Enforcement

Prerequisite: SOC 341 or 342.

Policemen in society. Organization of police forces. Centralized police power
versus organized crime. Recruitment and training of law enforcement officials.
Students spend one-third of course time in supervised field work. Fall. Credit,
3 semester hours.

344. Social Justice

Prerequisite: SOC 341 or 342.

Sociology of law. Changing concepts of justice. Courts and other legal organiza-
tions. Lawyers, judges and related occupations and professions. Students spend
one-third of course time in supervised field work. Fall. Credit, 3 semester hours.

362. 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
North Carolina. Fall, Spring. Credit, 3 semester hours.

365. Community-Based Corrections

Prerequisite: SOC 340.

Structure, functions, techniques, and effectiveness of community-based
correctional programs. Impact of community corrections on other elements
the criminal justice system. Fall, Spring. Credit, 3 semester hours.

366. Probation and Parole

Prerequisite: SOC 340.

Origins, development and contemporary practices in probation and parole.
Prediction scales. Conditions and requirements, companion services, research
results and recidivism. Fall, Spring. Credit, 3 semester hours.

440. Senior Seminar on Social Deviance and Counter-Measures

Prerequisite: SOC 343 or 344.

Restriction: Seniors only.

Social pathology and treatment. Deviant sub-cultures. Social sources
deviant attitudes and behavior. Visible and invisible deviance. Spring. Credit,
3 semester hours.

MEDICAL SOCIOLOGY**370. Medical Behavior**

Introduction to medical sociology. Causes of disease. Perceptions of illness. Health-care selection. Social factors in therapy. Social consequences of illness. Fall. Credit, 3 semester hours.

371. Medical Professions

Prerequisite: SOC 370.

Careers in medicine and allied health professions. National, regional and local allocation of medical manpower. Employment practices and trends. Changing roles of doctors, nurses, hospital administrators, pharmacists and para-medical practitioners. New developments in training programs and policies. Spring. Credit, 3 semester hours.

372. Medical Organizations

Prerequisite: SOC 370.

Hospitals, nursing homes, clinics, private medical practice, public health offices and health insurance organizations. Medical institutions for the armed forces and the veteran; occupational medicine; student health centers. Medical organizations for minorities, migrants and the poor. Non-profit and volunteer health groups. National professional associations. National Institutes of Health and the U.S. Public Health Service. Spring. Credit, 3 semester hours.

373. Preventive Medicine and Public Health

Prerequisite: SOC 370.

Local community problems and opportunities for health care. Health surveys, and screening for disease. Opinion leaders and change agents for health-related community needs. Medical care delivery systems. Field work is required. Fall. Credit, 4 semester hours.

374. Social Epidemiology

Prerequisite: SOC 370.

Techniques for searching out causes of disease. Laboratory and field work are required. Fall. Credit, 4 semester hours.

375. Death and Sickness

Prerequisite: SOC 370.

Social factors in morbidity and mortality. The patient and the "sick" role in society. Preventive health behavior. Social-psychological aspects of death. Sociological factors in chronic illnesses. Field work is required. Spring. Credit, 4 semester hours.

376. Medical Ethics (PHI 376)

Prerequisite: SOC 370.

The same course as PHI 376. Credit, 3 semester hours.

SOCIAL WORK**377. 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 348.

Social work methods for serving individuals, groups and communities. Fall. Credit, 3 semester hours.

381. Introduction to Field Work

Prerequisite: SOC 348.

Learning experience in social agency settings. Students will develop some competence in the skills and processes used in social work practice, and will relate social work theory to experiences in the field. Note: SOC 380 should be taken concurrently. Fall. Credit, 4 semester hours.

383. Child Welfare Services

Prerequisite: None. 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.

384. Social Gerontology

Prerequisite: None. 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.

385. Client Contact in Social Work II

Prerequisites: SOC 380 and 381.

A continuation of SOC 380. Spring. Credit, 3 semester hours.

386. Advanced Field Work

Prerequisite: SOC 381.

A continuation of SOC 381. Note: SOC 385 should be taken concurrently. Spring. Credit, 4 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.

STUDENT-ORIGINATED STUDIES**397. Experiential Learning I**

See pp. 50-51. Fall, Spring, Summer. Credit, 3 semester hours.

398. **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 pp. 50-51. Fall, Spring, 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.
Restriction: Limited to seniors majoring in sociology whose overall cumulative quality point average is 2.5 or better. A written proposal is required in advance of registration. Fall, Spring, Summer. Credit, 3 semester hours.

II. ANTHROPOLOGY

355. **Cultural Anthropology**
Human ecology. Relation between technology, religion, art, literature, language and personality development. Contacts between cultures. Fall. Credit, 3 semester hours.
356. **Physical Anthropology**
Archeology and paleontology of fossil human forms and their antecedents. Racial diversity and classification of mankind as a species. Anatomy and physiology in relation to behavior. Social science implications of human nature. Practical applications. Credit, 3 semester hours.
357. **Field Techniques in Archeology (AIS 357)**
Principles and methodology of archeological research in North America. Pleistocene dating, stratigraphic analysis, and quantitative techniques. Students participate in site reconnaissance, mapping, excavation, and laboratory work. Credit, 3 semester hours.
358. **Archeology of North America (AIS 358)**
Pleistocene ecology. Origin and development of cultures. Subsistence, ceremonial life and personality development. Interplay of Asian, Mexican and other influences. Reconstruction of extinct lifeways, with special attention to the Southeast. Credit, 3 semester hours.
355. **Advanced Cultural Anthropology**
Prerequisite: SOC 355 or equivalent.
Social and cultural anthropology. Trends in culture theory. Social structure and dynamics. Ethnology and social institutions. Comparative ethnography. Ethnolinguistics. Applied cultural anthropology. Spring of 1978-79 and alternate years. Credit, 3 semester hours.

UNIVERSITY HONORS PROGRAM

Director: RICHARD C. PISANO

UNIVERSITY HONORS COUNCIL

JOHN CHAY
JOSE D'ARRUDA
ROBERT M. GEIST

THOMAS J. LEACH
KATHRYN K. RILEIGH

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.

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.

300. 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.

350. 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.

**SUMMARY OF ENROLLMENT
1977-78**

SUMMER SESSION, 1977

First Term	1216
Second Term	935
Total number enrolled	2151

Oregon	1
Pennsylvania	2
South Carolina	10
Texas	1
Virginia	9

FIRST SEMESTER, 1977-78

Freshmen	607
Sophomores	499
Juniors	577
Seniors	472
Special	179
Total number enrolled	2334

ENROLLMENT BY COUNTRY

Australia	1
Ghana	1
Japan	1
Vietnam	1
West Indies	1

**SECOND SEMESTER,
1977-78**

Freshmen	494
Sophomores	469
Juniors	522
Seniors	534
Special	112
Total number enrolled	2131

**ENROLLMENT BY COUNTIES
OF NORTH CAROLINA**

Alamance	4
Anson	33
Bladen	94
Brunswick	6
Buncombe	1
Carteret	2
Caswell	4
Catawba	1
Chatham	3
Cleveland	4
Columbus	79
Craven	3
Cumberland	327
Currituck	1
Dare	1
Davidson	3
Davie	2
Duplin	5
Durham	8
Forsyth	4
Franklin	1
Gaston	1
Granville	1
Green	1
Guilford	19
Halifax	2
Harnett	12
Haywood	2
Henderson	1
Hoke	72
Iredell	1
Johnston	6
Lee	2
Lenoir	2

**DEGREES CONFERRED,
May, 1977**

Bachelor of Science and Applied Science	13
Bachelor of Science	280
Bachelor of Arts	112
Total number of degrees conferred	405

**PEMBROKE STATE
UNIVERSITY ENROLLMENT**

Men	1030
Women	1304
GRAND TOTAL	2334

ENROLLMENT BY STATE

Connecticut	1
Delaware	2
Florida	3
Kentucky	1
Maryland	3
New Jersey	10
New York	6
North Carolina	2280

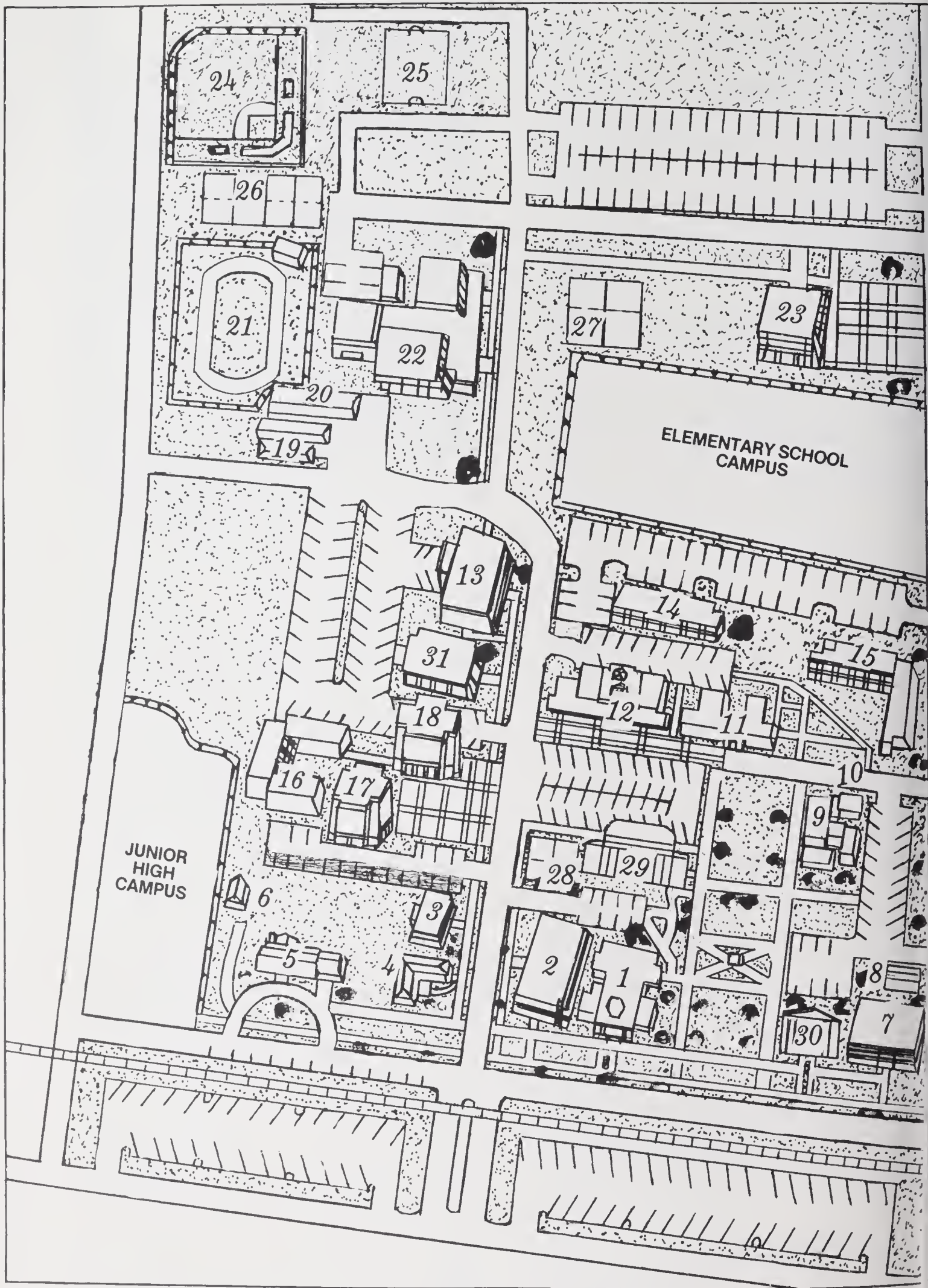
SUMMARY OF ENROLLMENT

McDowell	1	Randolph	8
Mecklenburg	16	Richmond	100
Montgomery	5	Robeson	1157
Moore	38	Rowan	9
Nash	3	Sampson	12
New Hanover	4	Scotland	150
Northhampton	1	Stanly	7
Onslow	7	Stokes	2
Orange	3	Union	3
Pamlico	2	Wake	21
Pender	3	Warren	1
Person	1	Wayne	5
Pitt	3	Wilkes	3
Polk	2	Wilson	5

INDEX

- | | | | |
|----------------------------------|-----|-----------------------------------|-----|
| Academic Eligibility | 47 | Faculty | 18 |
| Academic Regulations | 46 | Falsification, Penalty for | 36 |
| Accreditation | IFC | Financial Aid | 72 |
| Adding Courses | 49 | Financial Obligation | 78 |
| Administrative Officers | 15 | Fraternities | 66 |
| Admissions Process | 36 | French | 123 |
| American Indian Studies | 84 | General Information | 30 |
| Anthropology | 215 | Geography | 140 |
| Art Department | 87 | Geology | 140 |
| Athletics | 62 | Grading System | 46 |
| Auditing | 41 | Graduation, Requirements for | 53 |
| Bachelor of Science in | | Health, Physical Education | |
| Applied Science | 39 | and Recreation Department | 144 |
| Basic Studies Requirements | 56 | Health Services | 68 |
| Biology Department | 95 | Historical Sketch | 30 |
| Buildings and Grounds | 32 | History Department | 150 |
| Business Administration | | Home Economics Department | 160 |
| Department | 102 | Honors | 48 |
| Business Education | 108 | Independent Study | 49 |
| Cafeteria | 68 | Loan Funds | 75 |
| Calendar | 7 | Location | 31 |
| Campus Map | 222 | Majors | 57 |
| Certification of Teachers | 128 | Mathematics Department | 165 |
| Chemistry | 191 | Military Degree Completion | |
| Class Attendance | 51 | Program | 39 |
| Classification of Students | 46 | Music Department | 172 |
| Clubs, Fraternities, Sororities | | National Teacher Examination ... | 128 |
| and Campus Activities | 63 | Part-Time Students | 41 |
| College Level Examination | | Philosophy and Religion | |
| Program | 36 | Department | 180 |
| College Opportunity Program | 37 | Physical Education and | |
| Communicative Arts | | Recreation | 144 |
| Department | 111 | Physical Science Department | 190 |
| Contents | 3 | Physics | 193 |
| Continuing Education | 42 | Placement Services | 68 |
| Counseling Services | 68 | Political Science Department | 195 |
| Cultural Programs | 62 | Professional Semester | 127 |
| Curricula and Degrees | 56 | Psychology Department | 204 |
| Curriculum Laboratory | 128 | Purpose of the University | 31 |
| Dean's List | 48 | Quality Point Averages | 47 |
| Degrees Granted | 56 | Reading Center | 128 |
| Discipline | 69 | Reading Education | 130 |
| Dramatics | 120 | Readmission Procedures | 40 |
| Dropping Courses | 49 | Refund Policy | 81 |
| Economics | 109 | Registration | 48 |
| Education Department | 126 | | |
| English Education | 112 | | |
| English Proficiency Test | 53 | | |
| Enrollment, Summary of | 218 | | |
| Experiential Learning | 50 | | |

Religion	184	Student Government	62
Religion Organizations	65	Student Housing	66
Residence Status	78	Student Life and Affairs	62
Readmission of Students	40	Student Load	46
Scholarships	72	Student Teaching	126
Scholastic Requirements, Minimum	47	Summer Fees	78
Social Studies Requirements for Certification	142, 151, 195, 209	Summer Session	41
Sociology Department	209	Teacher Education Program	126
Sororities	65	Transfer Students	38
Spanish	124	Trustees	15
Special Education (K-12)	131	Tuition	79
Special Programs	42	University of N.C.	12
Special Students	40	University Honors Program	58
Speech	120	Vehicle Registration	69
Student Employment	76	Veterans	77
Student Fees	78	Withdrawal Policy	52
Student Finances	72		



PEMBROKE STATE UNIVERSITY MAP

CAMPUS MAP

Key To Buildings

1. Sampson Hall (Administration)
2. Mary Livermore Library
3. Infirmary
4. Home Economics
5. Chancellor's Home
6. Guest House
7. Oxendine Science Bldg.
8. Greenhouse
9. Moore Hall
10. Band Room
11. Locklear Hall
12. (A) D. F. Lowry Student Center
(B) Cafeteria
13. Business Administration
14. Wellon's Hall
15. Jacobs Hall
16. West Hall
17. Mary Irwin Belk Hall
18. North Hall
19. Receiving Dept.
20. Maintenance
21. Track
22. Jones Health & Phy. Edu. Center
23. Auditorium
24. Baseball Field
25. Soccer Field
- 26, 27, & 28. Tennis Courts
29. Old Gym
30. Old Main
31. Edu., Psy., Philo. & Religion

