



**PEMBROKE STATE  
UNIVERSITY  
GENERAL CATALOG  
1975 1976**

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# PEMBROKE STATE UNIVERSITY



## CATALOG 1975-1976

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Main telephone number: Area Code 919, 521-4214

Pembroke State University is a fully accredited member of 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 of American Colleges, the North Carolina Association of Colleges and Universities, and the Association for Field Services in Teacher Education.

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1975

**JANUARY**

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## PEMBROKE STATE UNIVERSITY

1975-76  
CALENDAR

## First Semester

August 2	Saturday, 9:00 A.M.—5:00 P.M. Freshman Testing Program
August 24	Sunday, 1:00 P.M.—Dormitories Open for Freshmen
August 25	Monday, 8:00 A.M.—Freshmen Orientation Program
August 26	Tuesday, 8:00 A.M.—Freshmen Orientation Program
August 26	Tuesday, 8:00 A.M.—Dormitories Open for Upperclassmen
August 27-28	Wednesday-Thursday 8:00 A.M.—Registration
August 29	Friday, 8:00 A.M.—Classes Begin
September 1	Monday, Labor Day Holiday
September 4	Thursday, 5:00 P.M.—Last Day to add a Class; Last Day to drop a Class without a Grade
October 20	Monday, 5:00 P.M.—Mid-Semester: Last Day to withdraw from a Class with a "W" Grade
October 30-31	Thursday-Friday. Mid-Semester Break
November 12	Wednesday, 10:00 A.M.—5:00 P.M.—Student Advisement for all Students prior to Pre-registration
November 17	Monday, Pre-registration for Spring Semester
November 26	Wednesday, 5:00 P.M.—Thanksgiving Holidays Begin
December 1	Monday 8:00 A.M.—Classes Resume
December 12	Friday, 5:00 P.M.—Classes End
December 15-19	Final Examinations
December 19	Friday 5:00 P.M.—Christmas Vacation Begins
December 20	Saturday, 12:00 noon—All Dormitories Close

## Second Semester

January 4	Sunday 1:00 P.M.—All Dormitories Open
January 5	Monday, 8:00 A.M.—Registration
January 6	Tuesday, 8:00 A.M.—Classes Begin
January 12	Monday, 5:00 P.M.—Last Day to add a Class; Last Day to Drop a Class without a Grade
March 5	Friday, 5:00 P.M.—Mid-Semester: Last Day to Withdraw from a Class with a "W" Grade
March 5	Friday, 5:00 P.M.—Spring Vacation Begins
March 6	Saturday, 12:00 noon—All Dormitories Close
March 14	Sunday, 12:00 noon—All Dormitories Open
March 15	Monday, 8:00 A.M.—Classes Resume
April 15	Thursday 5:00 P.M.—Easter Holidays Begin
April 20	Tuesday, 8:00 A.M.—Classes Resume
April 28	Wednesday 10:00 A.M.—5:00 P.M. Student Advisement and Pre-registration
April 29-30	Advanced Registration for First Term of Summer School
April 30	Friday, 5:00 P.M.—Classes End
May 3-7	Monday-Friday—Final Examinations
May 9	Sunday—Commencement
May 10	Monday, 12:00 noon—All Dormitories Close

**SUMMER SESSION****FIRST TERM**

May 30 Sunday, 12:00 noon—All Dormitories Open  
May 31 Monday, 8:00 A.M.—Registration and Classes Begin  
July 2 Friday—End of First Term of Summer School

**SECOND TERM**

July 5 Monday, 8:00 A.M.—Registration and Classes Begin  
August 6 Friday—End of Second Term of Summer School  
August 7 Saturday, 12:00 noon—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**

WILLIAM A. DEES, JR., Chairman  
 W. EARL BRITT, Vice Chairman  
 LOUIS T. RANDOLPH, Secretary

**TERMS EXPIRING IN 1975**

CLARK S. BROWN, Winston-Salem  
 LENOX G. COOPER, Wilmington  
 MRS. HOWARD HOLDERNESS, Greensboro  
 JOHN R. JORDAN, JR., Raleigh  
 J. AARON PREVOST, Hazelwood  
 LOUIS T. RANDOLPH, Washington  
 WILLIAM B. RANKIN, Lincolnton  
 W. W. TAYLOR, JR., Raleigh

**TERMS EXPIRING IN 1977**

VICTOR S. BRYANT, Durham  
 GEORGE WATTS HILL, Durham  
 WALLACE N. HYDE, Asheville  
 ROBERT B. JORDAN, III, Mount Gilead  
 MRS. ALBERT H. LATHROP, Asheville  
 REGINALD F. MCCOY, Laurinburg  
 MACEO A. SLOAN, Durham  
 THOMAS J. WHITE, JR., Kinston

**TERMS EXPIRING IN 1979**

W. EARL BRITT, Lumberton  
 JULIUS L. CHAMBERS, Charlotte  
 DR. HUGH S. DANIEL, JR., Waynesville  
 WILLIAM A. DEES, JR., Goldsboro  
 JACOB H. FROELICH, JR., High Point  
 WILLIAM A. JOHNSON, Lillington  
 E. B. TURNER, Lumberton  
 MRS. GEORGE D. WILSON, Fayetteville

**TERMS EXPIRING IN 1981**

HUGH CANNON, Raleigh  
 PHILIP G. CARSON, Asheville  
 T. WORTH COLTRANE, Asheboro  
 LUTHER H. HODGES, JR., Charlotte  
 MRS. HUGH MORTON, Linville  
 DAVID J. WHICHARD, II, Greenville  
 JOHN W. WINTERS, Raleigh  
 GEORGE M. WOOD, Camden

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 L. FELIX JOYNER, A.B., Vice President—Finance  
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 ARNOLD KIMSEY KING, A.B., A.M., Ph.D., Assistant to the President  
 ROSCOE D. MCMILLIAN, JR., B.S., Assistant to the President for Governmental Affairs  
 RICHARD H. ROBINSON, JR., A.B., LL.B., Assistant to the President  
 ALEXANDER HURLBUTT SHEPARD, JR., M.A., Assistant Vice President—Finance and Treasurer  
 J. LEM STOKES, II, A.B., M.Div., Ph.D., Associate Vice President—Academic Affairs  
 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 study body, serves *ex officio*. The principal powers of each insitutional 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 effective 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
BROWN, ERNEST H., JR. ....	Lumberton, N.C.	1975
DIAL, HERMAN .....	Pembroke, N.C.	1975
FINCH, BETH .....	Fayetteville, N.C.	1977
LOCKLEAR, HARRY W. ....	Pembroke, N.C.	1977
LOCKLEAR, JANIE .....	Pembroke, N.C.	1977
MARKS, LEROY .....	Laurinburg, N.C.	1975
MUSSELWHITE, FRED L. ....	Lumberton, N.C.	1977
REVELS, JUDDIE A., JR. ....	Pembroke, N.C.	1975
ROBINSON, SANKEY W. ....	Whiteville, N.C.	1975
SWETT, PURNELL .....	Fairfax, Va.	1977
THOMPSON, DAVID LEE .....	Lumberton, N.C.	1975
WILKINSON, CLYDE, JR. ....	Raeford, N.C.	1977

OFFICERS OF THE BOARD

Chairman: SANKEY W. ROBINSON—Vice Chairman: PURNELL SWETT

OFFICERS AND ADMINISTRATION

CHANCELLOR: ENGLISH E. JONES, B.S., M.S., L.L.D.

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- MERRY R. HUTCHINS, A.B., J.D. .... *Director of Institutional Research and Affirmative Action Program*
- GENE WARREN, B.A. .... *Director of Public Information*
- ACEY E. GANE, B.A., Ed.M. .... *Director of Athletics*
- RENTISS ODUM A.S. .... *Director of Data Processing*
- JOHN L. CARTER, A.B. .... *Special Assistant to the Chancellor*

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- DANIEL E. TODD, JR., B.S., M.A., Ph.D. .... *Assistant to Vice Chancellor for Academic Affairs*
- NORMA JEAN THOMPSON, B.S., M.A., Ph.D. .... *Dean of Admissions and Registration*
- JOYCE S. COX, B.S. .... *Registrar*
- JASON B. LOWRY, B.A., M.A. .... *Director of Admissions*
- JAMES G. BLOODWORTH, B.S., M.Ed., Ed.D. .... *Director of Media Center*
- L. MILES RAISIG, B.S., M.S.L.S. .... *Director of Library Services*
- JESSIE M. BEY, B.S., M.S.W. .... *Assistant Director of Human Services Center*
- G. ALEXANDER PRICE, B.S. .... *Assistant Director of Human Services Center*

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PAUL VAN ZANDT, B.F.A., M.F.A. . . . .	<i>Art</i>
ROBERT F. BRITT, B.A., M.A., Ph.D. . . . .	<i>Biology</i>
KARL A. SCHEELE, M.A., Ph.D. . . . .	<i>Business Administration</i>
RAYMOND J. RUNDUS, B.S., M.A., Ph.D. . . . .	<i>Communicative Arts</i>
VICTOR W. WOLF, M.B.A. . . . .	<i>Economics</i>
WILTON G. JOYNER, A.B., M.A., Ph.D. . . . .	<i>Education</i>
RAYMOND B. PENNINGTON, B.S., Ed.M., Ed.D. . . . .	<i>Health, Physical Education and Recreation</i>
JOHN CHAY, A.B., A.M., A.M.L.S., Ph.D. . . . .	<i>History</i>
ANNIE M. ELAM, B.S., M.S. . . . .	<i>Home Economics</i>
JAMES R. KRABILL, B.A., M.A., Ph.D. . . . .	<i>Mathematics</i>
HAROLD C. SLAGLE, B.M.E., M.M., Ed.D. . . . .	<i>Music</i>
ROBERT K. GUSTAFSON, B.A., M.D., Th.M., Th.D. . . . .	<i>Philosophy and Religion</i>
JOHN S. WALLINGFORD, B.Phys., M.Ed., M.S., Ph.D. . . . .	<i>Physical Science</i>
CHANG H. CHO, L.L.B., M.A., D.P.A. . . . .	<i>Political Science</i>
KATHRYN K. RILIEGH, B.A., M.A., Ph.D. . . . .	<i>Psychology</i>
JOHN RIMBERG, B.A., M.A., Ph.D. . . . .	<i>Sociology and Geography</i>

**OFFICE FOR STUDENT AFFAIRS**

JAMES B. CHAVIS, B.S., M.A.Ed. . . . .	<i>Dean of Student Affairs</i>
CHARLES R. GRIFFITH, B.S., M.A. . . . .	<i>Associate Dean of Student Affairs</i>
FAYE JONES, B.S., M.A. . . . .	<i>Assistant Dean of Student Affairs</i>
RAY VON BEATTY, B.S., M.Ed., Ph.D. . . . .	<i>Director of Guidance, Testing and Placement Center</i>
HAYNES DEESE . . . . .	<i>Chief Security Officer</i>
MARK H. HUCKERIEDE, M.D. . . . .	<i>University Physician</i>
ESTER D. MAYNOR, B.S. . . . .	<i>Financial Aid Officer</i>
EVA B. SAMPSON, R.N., B.S. . . . .	<i>University Nurse</i>

**OFFICE FOR BUSINESS AFFAIRS**

WILLIAM S. MASON, JR., B.S. . . . .	<i>Business Manager</i>
CAMMIE ALFORD . . . . .	<i>Cashier</i>
HORACE BURNETTE . . . . .	<i>Superintendent of Buildings and Grounds</i>
WILLIAM S. CHESTNUT, B.A., C.P.A. . . . .	<i>University Accountant</i>
QUERLON CUMMINGS . . . . .	<i>Supervisor Office Services</i>
JANE DIAL . . . . .	<i>Supervisor Switchboard</i>
FAYE M. HODGE, A.A. . . . .	<i>Payroll Clerk</i>
ROBERT D. MAXWELL . . . . .	<i>Director of Food Services</i>
LEE E. NEVILLE . . . . .	<i>Student Union Manager</i>
JULIAN RANSOM, B.A. . . . .	<i>Purchasing Agent</i>



## THE FACULTY

- GEORGE T. AMMONS (1965), *Assistant Professor, Department of Business Administration*  
B.S., (CPA), U.N.C. at Chapel Hill
- CLEMENS L. BARTOLLAS (1973), *Assistant Professor, Department of Sociology and Geography*  
B.A., Davis and Elkins College; B.D., Princeton Theological Seminary; S.T.M., San Francisco Theological Seminary; Ph.D., Ohio State University
- CHARLES D. BASS (1971), *Associate Professor, Department of Mathematics*  
B.S., B.A., Carson-Newman College; Ph.D., University of Tennessee
- RICHARD H. BAUM (1972), *Assistant Professor, Department of Communicative Arts*  
B.A., M.A., Ph.D., University of Utah
- RAY VON BEATTY (1972), *Assistant Professor, Department of Psychology; Director of Guidance and Testing Center*  
B.S., Pembroke State; M.Ed., Ph.D., U.N.C. at Chapel Hill
- FRED W. BECKERDITE, JR. (1973), *Assistant Professor, Department of Biology*  
B.S., M.S., North Carolina State University; Ph.D., Louisiana State University
- ESSIE M. BEY (1973), *Instructor, Department of Sociology and Geography; Assistant Director of Human Services Center*  
B.S., Tennessee State University; M.W.S., Atlanta University
- ROBERT W. BIRCHFIELD, JR. (1967), *Associate Professor, Department of Education*  
A.B., M.Ed., Ph.D. Candidate, University of Southern California
- VALERA M. BISSETT (1974), *Part-time Instructor, Department of Sociology and Geography*  
B.A., U.N.C. at Greensboro; M.S., U.N.C. at Chapel Hill
- AMES GASTON BLOODSWORTH (1970), *Associate Professor, Department of Education; Director of Media Center*  
B.S., M.Ed., Lamar University; Ed.D., McNeese State University
- ERALD C. BORLAND (1968), *Associate Professor, Department of Physical Science*  
B.A., Pennsylvania State University; M.S., University of Arizona
- ROBERT FRANKLIN BRITT (1960), *Professor and Chairman, Department of Biology*  
B.A., M.A., Ph.D., U.N.C. at Chapel Hill
- MELLEN JANE BRYAN (1970), *Assistant Professor, Department of Health, Physical Education and Recreation*  
B.S., Pembroke State; M.A.E., East Carolina
- WILLIAM ROBERT BULLARD, JR. (1966), *Assistant Professor, Department of History*  
B.A., St. Andrews Presbyterian College; M.A., U.N.C. at Chapel Hill

- LOREN LEONARD BUTLER II (1966), *Assistant Professor, Department of History*  
B.A., M.A., University of Arkansas; Ph.D. Candidate, University of South Carolina
- AVERY JOHN 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
- JAMES B. CHAVIS (1972), *Assistant Professor, Department of Education; Dean of Student Affairs*  
B.S., Pembroke State; M.A.Ed., East Carolina University
- JOHN CHAY (1969), *Professor and Chairman, Department of History*  
A.B., A.M., A.M.L.S., Ph.D., The University of Michigan
- WILLIAM S. CHESTNUT (1965), *Part-time Instructor, Department of Business Administration*  
B.S., (CPA), Atlantic Christian College
- 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
- ANNIE HAZEL COATES (1973), *Assistant Professor, Department of Business Administration*  
B.S., St. Andrews Presbyterian College; M.A., University of Georgia
- RHODA P. COLLINS (1967), *Associate Professor, Department of Education*  
B.A., M.Ed., U.N.C. at 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), *Associate Professor, Department of Health, Physical Education and Recreation*  
B.S., M.A., Appalachian State University; Ed.D., West Virginia University
- DONALD B. DALTON (1973), *Instructor, Department of Communicative Arts*  
B.A., U.N.C. at Asheville; M.A., U.N.C. at Chapel Hill
- 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. DEAN (1968), *Professor and Vice Chancellor for Academic Affairs*  
B.S., M.A., East Carolina University; Ed.D., West Virginia University
- ADOLPH L. DIAL (1958), *Associate Professor and Chairman, Department of American Indian Studies*  
B.A., Pembroke State; Ed.M., C.A.G.S., Boston University
- ALBERT D. DUNAVAN (1965), *Associate Professor, Department of Communicative Arts*  
B.S., M.A., University of Nebraska

- AMES B. EBERT (1956), *Associate Professor, Department of Biology*  
B.S., Louisiana State University and A & M College; A.M., Duke University
- MARLETTA T. EDWARDS (1970), *Assistant Professor and Head, Library Acquisitions*  
B.A., M.S.L.S., North Carolina Central University
- ANNIE MERLE W. ELAM (1968), *Assistant Professor and Chairman, Department of Home Economics*  
B.S., Pembroke State; M.S., U.N.C. at Greensboro
- DAVID K. ELIADES (1967), *Assistant Professor, Department of History*  
A.B., U.N.C. at Chapel Hill; M.A., East Carolina University
- CHAROLD T. ELLEN (1967), *Assistant Professor, Department of Health, Physical Education and Recreation*  
A.B., Elon College; M.A., East Carolina University
- WILLIE FAYE 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 Communicative Arts*  
B.A., M.A., U.N.C. at Chapel Hill
- MARJORIE L. FARMER (1965), *Assistant Professor, Department of Communicative Arts*  
B.A., Tift College; M.A., U.N.C. at Chapel Hill
- EARL MANTELL FISHER (1967), *Professor, Department of Education*  
B.S., M.S., Ph.D., Florida State University
- JOHN FRANCIS FLYNN, JR. (1971), *Instructor, Department of Art*  
B.F.A., Chicago Art Institute; M.S., University of Miami
- PAUL K. FREIWIRTH (1962), *Professor, Department of History*  
Th.B., 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
- CEY E. GANE (1965), *Associate Professor, Department of Health, Physical Education and Recreation*  
B.A., Elon College; Ed.M., U.N.C. at Greensboro
- BERT M. GEIST III (1974), *Assistant Professor, Department of Mathematics*  
B.A., Duke University; M.S., Ph.D., University of Notre Dame
- MACE E. GIBSON (1966), *Assistant Professor, Department of Communicative Arts*  
B.A., U.N.C. at Greensboro; M.A., Duke University
- GIBSON H. GRAY (1971), *Associate Professor, Department of Political Science*  
B.B.A., University of Texas; M.A., Ph.D., Columbia University
- JAMES 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*  
B.S., M.A., Appalachian State University
- THOMAS H. GUERRY (1972), *Associate Professor, Department of Philosophy and Religion*  
B.A., University of Virginia; M.A., Ph.D., U.N.C. at Chapel Hill
- ROBERT K. GUSTAFSON (1969), *Professor and Chairman, Department of Philosophy and Religion*  
B.A., University of California at Los Angeles; 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
- LARRY DALE HEFNER (1973), *Instructor, Department of Art*  
B.F.A., M.F.A. University of Oklahoma
- JAMES F. HUBBARD (1965), *Associate Professor, Department of Psychology*  
B.A., M.A., University of Richmond; B.D., Th.M. Union Theological Seminary
- TERRY R. HUTCHINS (1966), *Part-time Instructor, Department of Political Science*  
A.B., Pembroke State; J.D., Wake Forest University
- CHARLES R. JENKINS (1970), *Assistant Professor, Department of Education*  
B.S., M.A.E., East Carolina University
- DORIS B. JOHNSON (1966), *Assistant Professor, Department of Music*  
B.M., Syracuse University; Ed.M., The University of Buffalo
- KENNETH PETRIE 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
- EDNA FAYE JONES (1966), *Instructor and Assistant 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
- WILTON GLENN JOYNER (1972), *Professor and Chairman, Department of Education*  
A.B., M.A., East Carolina University; Ph.D., University of South Carolina
- ROBERT E. KERSHAW, JR. (1970), *Assistant Professor, Department of Art*  
B.A., Pennsylvania State University; M.F.A., East Carolina University
- PAUL W. KILLIAN, JR. (1967), *Assistant Professor, Department of Psychology*  
A.B., M.A., East Carolina University
- JAMES R. KRABILL (1971), *Associate 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 Sociology and Geography*  
B.S., National Taiwan University; M.A., University of Georgia
- ESSE M. LAMM (1969), *Associate Professor, Department of Education*  
B.S., M.A., East Carolina University; Ed.D., New York University
- LOIS B. LEWIS (1963), *Associate Professor, Department of Communicative Arts*  
B.A., M.A., University of Akron; Ed.S., George Peabody College
- RONALD R. LITTLE (1974), *Associate Professor, Department of Education*  
A.B., Mercer University; M.Ed., Ed.D., University of Georgia
- REBA M. LOWRY (1935), *Associate Professor, Department of Communicative Arts*  
B.A., Maryville College; M.A., University of Tennessee
- ROBERT W. MACLEOD (1967), *Visiting Associate Professor, Poet and Cultural Director, Department of Communicative Arts*  
B.A., University of New Mexico; M.A., Teachers College Columbia University
- EROME A. MCDUFFIE (1965), *Assistant Professor, Department of History*  
B.A., Pembroke State; M.A., Wake Forest; Ph.D. Candidate, Kent State
- JOSEPH MCGIRT (1965), *Assistant Professor, Department of Biology*  
B.S., Pembroke State; M.A., George Peabody College
- DAVID A. MCLEAN (1973), *Visiting, Part-time Associate Professor, Department of Sociology and Geography*  
A.B., Davidson College; M.Div., Union Theological Seminary; M.A., Ph.D., University of Witwatersrand
- ERNEST L. MADSEN (1973), *Assistant Professor, Department of Physical Science*  
B.S., M.S., University of Maryland; Ph.D., Catholic University of America
- SEF L. MANDEL (1972), *Instructor, Department of Communicative Arts*  
B.A., Pembroke State; M.A., Ph.D. Candidate, U.N.C. at Chapel Hill
- 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
- ERTHA B. MATHEWS (1971), *Assistant Professor, Department of Communicative Arts*  
B.S., M.Ed., Wayne State University
- AROLD D. MAXWELL (1967), *Assistant Professor, Department of Biology*  
B.S., M.S., Tennessee Polytechnic Institute
- ERARD D. MAYNOR (1937), *Assistant Professor, Department of Education*  
B.A., Pembroke State; M.A., Appalachian State University; Ed.D., University of Miami

- ROBERT D. MAYNOR (1972), *Instructor, Department of Business Administration*  
B.S., Pembroke State; M.B.A., Columbia University
- JEFFREY A. MIRUS (1974), *Assistant Professor, Department of History*  
A.B., Rutgers College; Ph.D., Princeton University
- L. L. MURRAY (1965), *Professor, Department of Education*  
B.A., Atlantic Christian College; M.A., East Carolina University; Ed.D., University of Florida
- WALTER S. MUSGROVE (1966), *Instructor 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.S., Appalachian State; M.A., New York University; Ph.D., University of Iowa
- RUTH HELEN NIXON (1968), *Professor, Department of Education*  
A.B., M.A., Ed.D., University of California
- DENNIS O'BRIEN (1973), *Part-time Instructor, Department of Psychology*  
B.A., Marist College; M.A., St. Bonaventure University; Ph.D., North Carolina State University
- HAROLD M. OLSEN (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
- LINDA B. OXENDINE (1971), *Instructor, Department of Biology*  
B.S., Pembroke State; M.S., University of Tennessee
- ALBERT J. PEJACK, JR. (1971), *Instructor, Department of Business Administration*  
B.A., Westminster College; M.S., Clemson University
- RAYMOND B. PENNINGTON (1963), *Professor and Chairman, Department of Health, Physical Education and Recreation*  
B.S., East Carolina; Ed.M., U.N.C. at 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. Potsdam State Teachers College; M.Ed., Florida State University; Ed.D., Columbia University
- FRANK S. POKRASS (1973), *Associate Professor, Department of Sociology and Geography*  
A.B., Franklin & 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

- 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; 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; M.A., University of Connecticut; Ed.D., Duke University
- JAMES E. RICKLEFS (1972), *Assistant Professor, Department of Sociology and Geography*  
B.S., University of Wisconsin; M.A., San Diego State; Ph.D. Candidate, University of Georgia
- CATHRYN K. RILEIGH (1973), *Associate Professor and Chairman, Department of Psychology*  
B.A., M.A., Ph.D., Vanderbilt University
- JOHN RIMBERG (1971), *Professor and Chairman, Department of Sociology and Geography*  
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), *Instructor, Department of Sociology and Geography*  
B.A., M.S., Marshall University
- RAYMOND J. RUNDUS (1970), *Professor and Chairman, Department of Communicative Arts*  
B.S., 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
- ALBERT L. SAMPSON (1966), *Assistant Professor, Department of Mathematics*  
B.S., Pembroke State; M.A., University of Arkansas; Ph.D. Candidate, Columbia University
- EARL A. SCHEELE (1965), *Professor and Chairman, Department of Business Administration*  
M.A., Northwestern University; Ph.D., University of Berlin
- MURRY SHAPIRO (1974), *Instructor, Department of Political Science*  
B.A., Harpur College, S.U.N.Y.; M.A., University of Chicago
- JOHNIE B. SILVER (1960), *Professor, Department of Education*  
B.S., M.B.A., University of Georgia; Ed.D., University of Mississippi

- HAROLD C. SLAGLE (1969), *Professor and Chairman, Department of Music*  
B.M.E., M.M., University of Nebraska; Ed.D., University of Illinois
- TOM S. SPECK (1972), *Instructor, Department of Art*  
B.F.A., Memphis Academy of Arts; M.F.A., University of Tennessee
- P. 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; Th.D., Southern Baptist Theological Seminary
- GLORIA J. SWEET (1972), *Instructor, Department of Business Administration*  
B.A., North Carolina State—Ft. Bragg; M.S., North Carolina State—Raleigh
- HAROLD J. TEAGUE (1970), *Associate Professor, Department of Physical Science*  
B.S., Methodist College; M.S., Ph.D., North Carolina State University
- NORMA J. THOMPSON (1963), *Associate Professor and Dean of Admissions and Registration*  
B.S., Pembroke State; M.A., Appalachian State; Ph.D., Georgia State University
- DANIEL E. TODD, JR. (1969), *Professor and Assistant to the Vice Chancellor for Academic Affairs*  
B.S., M.A., East Carolina University; Ph.D., U.N.C., at Chapel Hill
- MARC A. TRIEBWASSER (1973), *Assistant Professor, Department of Political Science*  
B.S., M.A., City College of New York; M.A., New York University
- DOROTHY A. URBAN (1971), *Instructor, Department of Home Economics*  
B.S., Fort Hays Kansas State; M.S., Kansas State University
- PAUL VAN ZANDT (1969), *Assistant Professor and Chairman, Department of Art*  
B.F.A., Oklahoma State; M.F.A., Tulane University
- RICHARD R. VELA (1970), *Instructor, Department of Communicative Arts*  
B.A., M.S., University of Dallas
- 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), *Assistant Professor, Department of Music*  
B.S., West Virginia University; M.M., Indian University; Ph.D. Candidate, West Virginia University
- MAUDE ANN WEBB (1967), *Assistant Professor, Department of Health Physical Education and Recreation*  
B.S., M.A., East Carolina University
- ANN REAVES FENNEGAN WELLS (1960), *Associate Professor, Department of Communicative Arts*  
B.A., Coke College; M.A., East Carolina University
- GAY I. WILLIAMS (1974), *Part-Time Instructor, Department of Sociology and Geography*  
B.A., Methodist College; M.S.W., University of Georgia



RUDY D. WILLIAMS (1968), *Assistant Professor, Department of Communicative Arts*

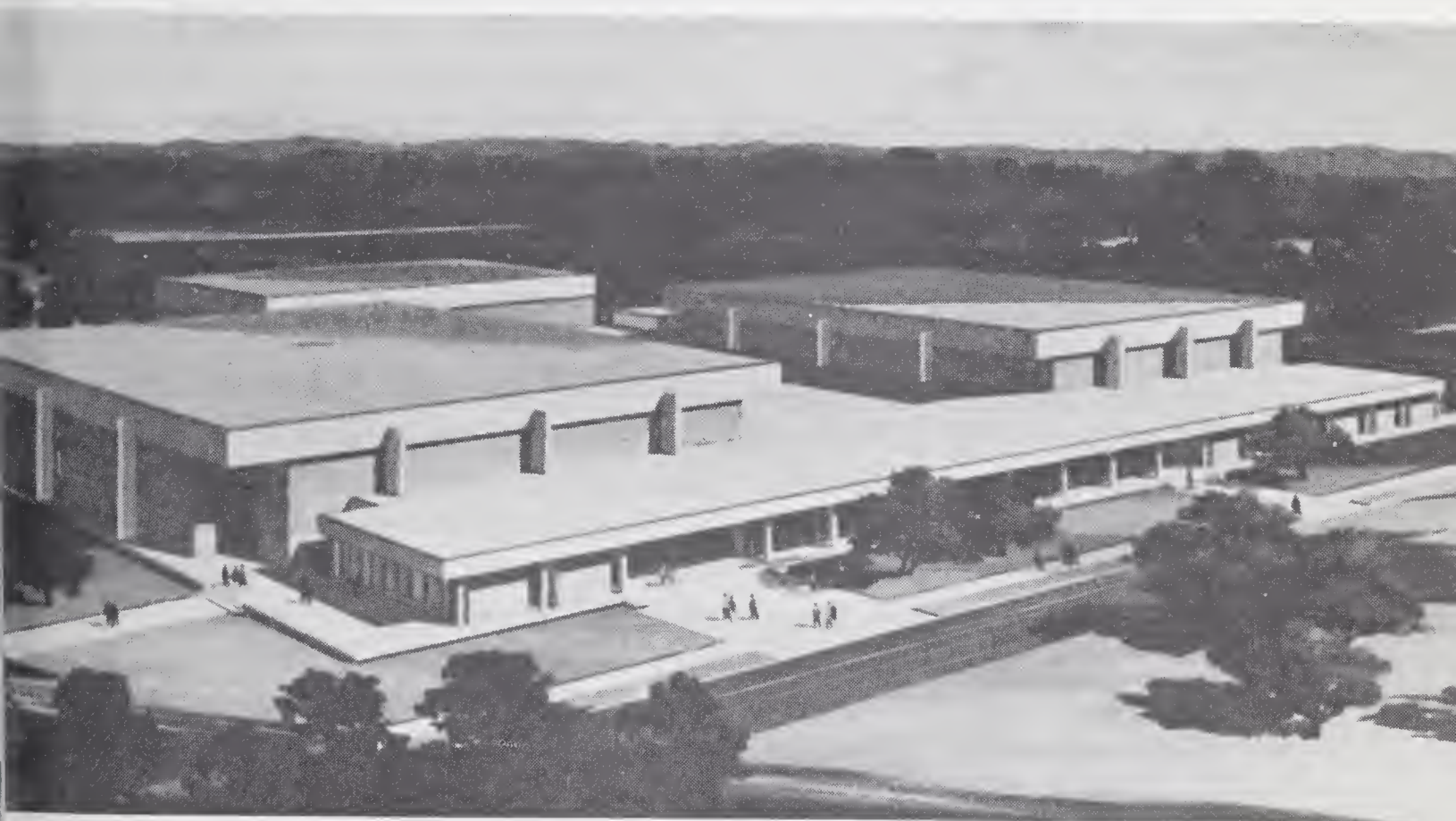
B.A., Millsaps College; M.A., University of Mississippi; Ph.D. Candidate, U.N.C. at Chapel Hill

VICTOR W. WOLF (1958), *Associate Professor and Chairman, Department of Economics*

M.B., Handelskandidat, Sivilokonom Norges Handelshoyskole



## **II. General Information**



**THE ENGLISH E. JONES HEALTH AND  
PHYSICAL EDUCATION CENTER**

## 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 1911 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

fourth year of college work was added, and in June, 1940, the first college degrees were conferred. In keeping with these changes, the legislature in 1941 renamed the school Pembroke State College for Indians, and in 1949 shortened the name to Pembroke State College.

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

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

### LOCATION

Pembroke State University occupies 86 acres located along the western edge of the town of Pembroke in Robeson County, North Carolina. It is easily accessible by automobile, being only ten miles from Interstate 95 and two miles from U. S. 74. Passenger service is provided by the Seaboard Coast Line Railway and the National Trailways 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 THE UNIVERSITY

When the 1969 General Assembly of North Carolina passed legislation redesignating Pembroke State College as Pembroke State University, it also spelled out very clearly the purpose of the Regional Universities of North Carolina. According to General Statute 116-44.10, Item B, the purpose is:

The regional universities shall provide undergraduate and graduate instruction in the liberal arts, fine arts, and sciences, and in the learned professions, including teaching, these being defined as those professions which rest upon advanced knowledge in the liberal arts and sciences; and said regional universities shall provide research in the liberal arts and sciences, pure and applied. The regional universities shall provide other undergraduate and graduate programs of instruction as are deemed necessary to meet the needs of their constituencies and of the State. Regional universities insofar as possible shall extend their educational activities to all persons of the State who are unable to avail themselves of their advantages as resident

students by means of extension courses, by lectures, and by such other means and methods as may seem to the boards of trustees and administrative officers as most effective. The president and professors of each regional university shall have the power of conferring all such degrees or marks of distinction as are conferred by colleges or universities, including the doctor's degree. All degree programs or marks of distinction offered or conferred by and with the consent of the board of trustees of the university and subject to the approval of the North Carolina Board of Higher Education and in any case doctoral programs shall not be offered before the completion of the study on the role of regional universities as required by G.S. 116-44, 16, and consistent with appropriations made therefor.

### ACCREDITATION

Pembroke State University is accredited by 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 of American Colleges, the North Carolina Association of Colleges and Universities, the Association for Field Services in Teacher Education, and the North Carolina Department of Public Instruction. The University is an Associate Member of the National Association of Schools of Music.

### 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, formerly housed the Division of Science. With the completion of the Herbert G. Oxendine Science Building, Locklear Hall became the home of the Education and Psychology departments.

*Moore Hall*, dating from 1951, contains a three-hundred seat auditorium and classrooms, offices and studios used by the Art, 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 J.W. Jacobs who served as chairman of the Board of Trustees for 10 years.

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

*West Hall*, opened in 1965, is a 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 rooms 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 200,000 volumes, was completed in 1967, provides classrooms and offices for the Foreign Language, Philosophy and Religion, and Sociology and Geography departments, and houses the Computer Center.

*The Herbert G. Oxendine Science Building*, completed in 1967, affords classrooms, laboratories, and offices for the Biology, Physical science, Political 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, 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 Building. All deliveries of supplies and materials are received there.

*South 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.



# 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 re-admission to the University on the basis of the individual merit 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) College Entrance Examination Board scores, (2) the high school academic record, (3) scholastic standing in the high school graduating class, and (4) the recommendations of high school guidance counselors and principals.

Each applicant for regular admission must:

1. obtain an application form from the Dean of Admissions and Registration and submit it to him properly executed.
2. submit acceptable College Entrance Examination Board Scores on the Student Aptitude Test.
3. obtain a medical examination form from the Dean of Admissions and Registration and submit it to the University Infirmary properly executed.
4. submit official transcripts showing secondary school work, scholastic standing in graduating class, and graduation from high school.
5. submit a \$10.00 application fee with the application. The fee is non-refundable and is not applicable toward any other cost.
6. 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 the applicant to receive consideration for admission to the freshman class entering the University in the following September.

#### COLLEGE LEVEL EXAMINATION PROGRAM

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

**CLEP General  
Examination****Basic Studies  
Credit**

- |                            |   |
|----------------------------|---|
| 1. English Composition     | Three semester hours credit for CMA 105: Contexts for Composition I; and three semester hours credit for CMA 106: Contexts for 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 of 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 10: Modern Western Civilization; and three semester hours credit for History 108: Modern Western Civilization            |

**COLLEGE OPPORTUNITY PROGRAM**

The College Opportunity Program is an experimental program designed for a limited number of North Carolina students who do not meet Pembroke State University's regular admissions standards. It is designed to help students acquire skills essential for university success as regular students. Students who successfully complete the College Opportunity Program are admitted to the University as regular students.

This program is offered in two sequential terms during the Summer Session. The first term consists of courses designed for the development of those academic skills needed most by the student. These courses do not carry credit toward graduation; however, students must make satisfactory progress to be eligible for the second term. During the second term of the Summer Session, the student takes regular university courses which carry credit toward graduation. From this point, academic eligibility is determined in accordance with the schedule published in the current Pembroke State University catalog in Section IV: Academic Regulations under Academic Eligibility and after Minimum Scholastic Requirements.

Students who are not legal residents of the State of North Carolina are not eligible for this program.

### 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 Student 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 him properly executed.
6. submit official transcripts showing secondary school work, scholastic standing in graduating class, and graduation from high school.
7. submit complete official transcripts from all colleges or universities attended.
8. submit a \$10.00 application fee with the application. This fee is nonrefundable and is not applicable toward any other cost.
9. 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 an student who has attained junior status at Pembroke receive credit 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 an area in which Pembroke State offers a major 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 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 SAFI courses, and through the College Level Examination Program (CLEP), Pembroke State University will accept in transfer credit toward a Bachelor's degree:

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.

### RETURNEE 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.

Whenever a student who does not meet the minimum scholastic requirements for retention at Pembroke State University transfers to a Community College or a Junior College, he shall not be readmitted to Pembroke State University until he has finished the two year course and earned the AA degree from such a school

### SPECIAL STUDENTS

Persons who wish to enroll for university classes in a fall or spring semester and carry 6 semester hours or less without enter-

ing a degree program or working for teacher certification, may be admitted to the University as special students. A special student may not later become a degree candidate unless he has been admitted to the University as a regular student. Those who wish to enter Pembroke State University as special students may obtain information and the necessary application forms from the Office of Admissions and Registration. Special students pay tuition, registration, and general fees only.

### **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 \$11.00 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 grade is 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 DIVISION

Pembroke State University, through its Continuing Education Division, offers on-campus and off-campus educational opportunities to persons who, for various reasons, 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.

This program provides the opportunity for individuals within commuting distance to complete their first year of college study by enrolling in on-campus or off-campus evening classes offered by Pembroke State University.

In addition to on-campus opportunities, the Continuing Education Division offers off-campus course work 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 offered by the Continuing Education Division and later transfer to the University.

For additional information about opportunities available through the Continuing Education Division contact the Office for Academic Affairs.



# IV. Academic Regulations



STEPHANIE NICASTRO STULL  
*Summa Cum Laude*  
English—May 1974  
Pembroke



CYNTHIA LARUE BROWN  
*Summa Cum Laude*  
Psychology—May 1974  
Lumber Bridge



JANYCE CHENIER BARNES  
*Summa Cum Laude*  
Elementary Education (4-9)  
May 1974—Chadbourn

## SCHOLARSHIP

## 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 have a cumulative quality point average of 3.0 or 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 when a student obtains the approval of his instructor and his major department head to withdraw from a course after the drop-add period and prior to midsemester. In addition, a student who is withdrawing from the University and is doing satisfactory work in a course, and who follows the prescribed procedure for withdrawal from the University will receive a grade of "W" in the course. An "F" is given if a student withdraws under any other conditions. When a student receives a "W" grade, neither the grade nor the semester hours attempted are counted.

### 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 achieves the designated balance between the number of semester hours he has attempted, with semester hours in courses repeated counted only once, and his *overall cumulative quality point average*, he will be eligible to enroll in the regular fall or spring academic program.

A student who has earned a *semester quality point average* less than 2.0 in a semester will have the designation, "Warning: Semester Average Unsatisfactory," indicated on his grade report.

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 a grade of "F" during his college or university career.

Students who attain an *overall cumulative quality point average* of 3.8 or higher are graduated *summa cum laude*. Those who achieve a minimum *overall cumulative quality point average* of 3.50 are graduated *magna cum laude* and students whose overall cumulative quality point average is at least 3.00 are graduated *cum laude*. Overall cumulative quality point averages are computed at the end of the semester prior 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 3.40 while passing at least 15 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 and prior to midsemester or midterm with a grade of "W" if he obtains the approval of his instructor and his major department head. In addition, a student who is *withdrawing from the University*, is doing satisfactory work in a course, 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 only counted 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 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 head responsible for the student's major area of study. It must be approved by: 1. the professor supervising the

student in independent study, 2. the department head, 3. the Dean of Admissions and Registration, and 4. the Office for Academic Affairs. The student may elect to work for one, two, or three semester hours of credit.

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

### **CLASS ATTENDANCE**

Students are expected to attend all classes regularly, and excessive absences may result in failure. The authority to determine whether a class absence is to be excused or unexcused is delegated to the instructor of the class, except that absences caused by personal illness, illness or death in the immediate family, participation in a university sponsored activity, or an activity approved for 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. Work missed during an unexcused absence automatically receives a score of "O" as does work not made up after an excused absence.

### **WITHDRAWAL POLICY**

All students who wish to officially withdraw 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 may give the student a grade of "W" or "F." If the student has obtained the necessary endorsements and if, in the opinion of his instructor, his work in the course has been satisfactory he may receive a "W." If the student's work in the course has been unsatisfactory he will receive an "F."

A student who is registered for classes and who withdraws from the University without going through 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 and:

1. be registered during the academic year in which his graduation occurs.
2. have a minimum of 120 semester hours of course work.
3. have successfully completed the Basic Studies Program.
4. have successfully completed a program for an academic major.
5. have a minimum *overall cumulative quality point average* of 2.0.
6. have a minimum *overall cumulative quality point average* of 2.0 in his major field of study.
7. have the recommendation of the faculty.
8. complete the last 30 semester hours in residence at Pembroke State University.
9. Complete a minimum of 9 semester hours above the basic studies program level in his major field of study at Pembroke State University.
10. have not more than 20 semester hours which have been earned through extension courses.
11. have no credit earned by correspondence.
12. all Pembroke State University and transfer 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.
13. make application for the degree no later than the end of registration for the last semester prior to the completion of all graduation requirements.
  - a. The Degree Application Form can be obtained from the Office of Admissions and Registration.
  - b. A non-refundable graduation fee of \$10.00 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.

14. satisfy all his financial obligations to the University.

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

### MISCELLANEOUS

All students will conform to the newest regulations concerning academic eligibility.

A student must choose to meet the 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. However, 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	Music
Economics	Philosophy and Religion
English	Political Science
French	Sociology
History	Spanish

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

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

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

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

Elementary School	Mathematics
K-3 (Early Childhood Certificate)	Science
4-9 (Intermediate Grades Certificate)	Biology
Secondary School	Chemistry
Business Education	Social Studies
English	Special Education
Foreign Languages	Special Subjects (Grades 1-12)
French	Art
Spanish	Music
Home Economics	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:

- (1) Humanities
- (2) Social and Behavioral Sciences
- (3) 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.

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

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

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

III. Natural Sciences and Mathematics—A minimum of twelve (12) semester hours from the areas of:

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

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

\*An English proficiency test is required of certain students, see page 41.  
\*\*Six semester hours of literature and six semester hours of history are required for teacher certification.

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.

# VI. Student Life And Affairs



Martin  
ology  
nlet

Mary Laura Dorman  
Home Economics  
Lumberton

Rebecca Bryan  
El. Ed. (4-9)  
Lumberton

David Butler  
Political Science  
Pembroke

## FRIENDLY RELATIONSHIPS

## 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, and fields representative teams in baseball, basketball, golf, soccer, tennis, track, and wrestling. Regular competition in several intramural sports is available to men students and the Women's Recreation Association offers college women an opportunity to participate in basketball, bowling, and volleyball.

### CULTURAL PROGRAMS

The Lyceum Series provides a varied program of lectures, and musical, and dramatic productions throughout the year. Exhibitions of the work of Pembroke State University art students and that of regional and national artists are held on a continuous rotating basis in the Pembroke State University Art Gallery, D. F. Lowry Student Center. These exhibitions include painting, sculpture, ceramics, and graphic arts. The Art Gallery also provides for periodic exhibitions of the Pembroke State University Permanent Art Collection.

Semi-annual out-door art sales and shows sponsored by the P.S.U. Art Club are conducted in the spring and the fall.

### RELIGIOUS ORGANIZATIONS

Religious organizations on the Pembroke campus are based on philosophy which provides for spiritual enrichment, social activities, and Christian service.

They are: The Baptist Student Union  
King's Pentecostal Fellowship  
Methodist Student Union  
Pembroke State University Catholic Community

## FRATERNITIES

Fraternities are social organizations as well as service organizations. They are dedicated to enhancing the quality of social life on campus.

Alpha Omega Upsilon  
Pi Kappa Alpha

Pi Kappa Phi  
Tau Kappa Epsilon

Sororities are social organizations as well as service organizations. They are dedicated to enhancing the quality of social life on campus.

Sigma Sigma Sigma  
Kappa Delta

Zeta Tau Alpha

**Alpha Omega** is a music sorority for women majoring in music.

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

**Alpha Theta Honorary Historical Fraternity** is open to those students majoring in history who have at least a 3.0 grade-point average in twelve or more semester 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.

**Chi Epsilon Chi** is a national honor fraternity and is open to students who maintain a 3.4 average after their freshman year. Membership is by invitation.

**Chi Mu Alpha Sinfonia** is a national honorary professional music fraternity open to those who are majoring in music.

**The American Indian Student Association** is concerned with the affairs of Indian students both on and off campus.

**The Art Club** offers opportunities for art majors to work under a variety of conditions both on and off campus.

**The Astrology Club** is open to all students interested in this field.

**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 Biology Club** is open to any student interested in biology. Many projects are undertaken by this club each year.

**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.

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

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

**The 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 certain university functions.

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

**The Physical Education Majors and Minors Club** is open to physical education majors and minors who are interested in the ideals of health, physical education, and recreation.

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

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

**The 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 promotes the bonds of good fellowship created by this common experience.

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

**The Spanish Club** offers those interested in Spanish opportunities to read and converse in that language.

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

**The Women's Recreation Association** is composed of representatives from each floor of the women's dormitories. Members plan and participate in women's intramural activities.

**The Young Democrats Club** is open to any student interested in the National Democratic Party.

**The Young Republican Club** is open to any student interested in the National Republican Party.

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 other institutional advantages.

**The Band** is open to all students regardless of major. The band appears in parades and festivals and in 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 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.

**Baseball Girls** is a 5-6 member group of girls that assists 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 assists the wrestlers in preparation for their matches. They are chosen by the wrestlers 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-vocal 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.

## STUDENT HOUSING INFORMATION

At Pembroke State University student housing is an integral part of the educational program. Resident 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 resident halls that offer an environment conducive to studying and to providing an opportunity for each student to develop socially and academically. The resident 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.

Pembroke State University provides adequate dormitory space for both men and women. Each room is arranged to accommodate two occupants. Each room is furnished with basic items, but residents may bring rugs, curtains, et cetera. Students furnish their own towels, pillows, and blankets. Sheets and pillow cases are provided by the University. The dormitories have a laundry room with coin operated washers and dryers. You may purchase the necessary supplies locally if you wish. Daily janitor service is provided for the dormitory buildings; however, each student is expected to make his bed and keep his own room in order.

No electrical appliance for the purpose of cooking are allowed. Residents may bring hair dryers, razors, fans, radios, and T. V. sets with portable antennae.

An application for dormitory housing can be obtained from the Director of Student Housing, Pembroke State University, Pembroke, North Carolina. The application and a check for \$25, made payable to Pembroke State University, should be mailed to: Cashier, Pembroke State University, Pembroke, North Carolina 28372.

### Dormitory Deposit

1. Students living in dormitory—The \$25.00 dormitory deposit (less breakage) is refunded provided:
  - (a) The student has notified the Housing Office in writing 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 is refunded if the Housing Office has been notified in writing by July 15 (or 10 days after acceptance) that he is cancelling his room reservation for the fall semester.

3. In case of withdrawal, the dormitory deposit is refunded only when the student withdraws after mid 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.

Commencing with the fall semester, 1973, all members of the freshman and Sophomore classes will be required to reside on campus as long as rooms are available, or to commute from their parents' home.

### CAFETERIA

Pembroke State University has a contract for cafeteria service with a national food service company. Meals are available at moderate prices.

A meal plan is mandatory for dormitory students.

A refund on the unused portion of a purchased meal plan will be made on a prorated basis only if a student officially withdraws from school.

There is a \$10.00 fee for replacing lost meal tickets.

### SUMMER HOUSING

Dormitory housing is available during both terms of the Summer Session at the rate of \$40.00 per term. A \$25.00 deposit is necessary to secure a dormitory room.

### COUNSELING SERVICES

The University maintains a counseling center dedicated to assisting students in their search for a place in our adult society. The center is especially interested in those students who are having academic difficulties; however, academic difficulties are often only symptoms of more complex problems. Therefore, the center is also equipped to assist students in their search for vocational information and solutions to personal and social problems. Counseling services extend into each dormitory room through

the dormitory counselors who act as emissaries of the counseling

### 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 available 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 four nurse assistants.

### PLACEMENT OFFICE SERVICES

The Placement Office gives graduates of Pembroke State University and graduates of other institutions, who have attended Pembroke State University, 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. Brochures, applications, pamphlets, and catalogs are available to students wishing to explore various fields of interest. The bulletin boards in the Placement Office are kept current, and provide valuable information relative to immediate vacancies in special fields.

All students are urged to register with the Placement Office when they become seniors regardless of whether they have an immediate need for the service. Delay of registration may make it difficult to obtain the favorable references that are available now.

Students whose records are in the active file are recommended to prospective employers and notified of vacancies which exist. Upon request by a prospective employer, a set of the student's confidential credentials, consisting of personal data, references from professors, and student teaching reports for those who do student teaching, is sent to the employer by the Placement Service. Registrants are eligible for interviews with recruiters who come to the Placement Office seeking applicants for jobs.

The Director is available for counseling interviews with registrants who need information about job opportunities. There is no charge for any of the placement services.

### 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 set for 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. Students living in private housing off-campus are expected to conduct themselves as responsible young men.

### VEHICLE REGISTRATION

Each motor vehicle, including two-wheeled motor vehicles, driven or parked on the campus by students, faculty, and staff must be registered in the Business Office and must display a valid parking permit.

Students, faculty, and staff members alike are subject to certain 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 will be strictly enforced by the Campus Security Officers.

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 on 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 the final approval of the Chancellor.

## VII. Student Finances



## VII. STUDENT FINANCES

### FINANCIAL AID

The primary aim of the financial aid program at Pembroke State University is to provide assistance to students who, without aid, would be unable to begin or continue their college education. Resources available to students through the Financial Aid Office are limited; however, financial assistance is available to almost every student on the basis of demonstrated average academic achievement and definite financial need.

Students who feel that they are unable to meet the expenses of attending the University without assistance should contact their high school guidance counselor or the University Financial Aid Officer. Those applying for financial assistance must file a Parents' Confidential Statement (PCS). The Parents' Confidential Statement form may be obtained from a high school guidance counselor or from the Office for Financial Aid, Pembroke State University. The PCS must be mailed to College Scholarship Service, P. O. Box 17, Princeton, New Jersey 08540.

The PCS and applications for financial assistance should be submitted prior to March 15 to allow time for processing and so awards can be made before Fall registration.

To be eligible to receive financial assistance, a freshman must meet all of 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 Office with the approval of the Faculty Scholarship and Student Assistance Committee.

#### ATHLETIC SCHOLARSHIPS

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



**STUDENT GOVERNMENT SCHOLARSHIPS**

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, the high school guidance counselor's office, and post offices.

#### **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.

#### **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.

#### **NORTH CAROLINA 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 \$600 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 Recorders Court.

#### **HERBERT G. OXENDINE MEMORIAL LOAN FUND**

This fund was established by friends of the late Dr. Herbert G. Oxendine who, for many years, taught at Pembroke State University. Because of Dr. Oxendine's great interest in education and in Pembroke State University, it was the desire of his many friends to establish a fund in his name to aid students in furthering their education.

#### **JAMES FULTON LOWERY MEMORIAL LOAN FUND**

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

#### **JOHN J. AND STEVE BROOKS MEMORIAL LOAN FUND**

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

#### **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. The rate of pay is \$2.00 per hour.

#### **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, should make application, and have

a Certificate of Eligibility from the Veterans Administration before entering school. For information regarding eligibility, or application forms, contact the Veterans Administration Regional Office, 301 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, and obtain a new Certificate of Eligibility for the school they plan to enter.

### 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, 301 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.

The Certificate of Eligibility should be submitted to the Financial Aid Office for completion after the veteran enrolls.

### 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 in accordance with the following.

**RESIDENCE STATUS FOR TUITION PAYMENT**

*General.* The tuition charge for legal residents of North Carolina is less than for nonresidents. To qualify for in-state tuition, a legal resident must have maintained his domicile in North Carolina for at least the twelve months next preceding the date of first enrollment or re-enrollment in an institution of higher education in this state. Student status in an institution of higher education in this state shall not constitute eligibility for residence to qualify said student for in-state tuition.

*Minors.* A minor is any person who has not reached the age of eighteen years. The legal residence of a person under eighteen years of age at the time of his first enrollment in an institution of higher education in this state is that of his parents, surviving parent, or legal guardian. In cases where parents are divorced or legally separated, the legal residence of the father will control unless custody of the minor has been awarded by court to the mother or to a legal guardian other than a parent. No claim of residence in North Carolina based upon residence of a guardian in North Carolina will be considered if either parent is living unless the action of the court appointing the guardian antedates the student's first enrollment in a North Carolina institution of higher education by at least twelve months.

*Adults.* An adult is any person who has reached the age of eighteen years. Persons, eighteen or more years of age at the time of first enrollment in an institution of higher education, are responsible for establishing their own domicile. Persons reaching the age of eighteen, whose parents are and have been domiciled in North Carolina for at least the preceding twelve months, retain North Carolina residence for tuition payment purposes until domicile in North Carolina is abandoned. If North Carolina residence is abandoned by an adult, maintenance of North Carolina domicile for twelve months as a non-student is required to regain in-state status for tuition payment purposes.

*Married Students.* The legal residence of a wife follows that of her husband, except that a woman currently enrolled as an in-state student in an institution of higher education may continue as a resident even though she marries a nonresident. If the husband is a nonresident and separation or divorce occurs, the woman may qualify for in-state tuition after establishing her domicile in North Carolina for at least twelve months as a non-student.

*Military Personnel.* No person shall lose his in-state resident status by serving in the Armed Forces outside of the State of North Carolina. A member of the Armed Forces may obtain in-state residence status for himself, his spouse, or his children after maintaining his domicile in North Carolina (change of Home of Record) for at least the twelve months next preceding his or

their enrollment or re-enrollment in an institution of higher education in this state.

*Aliens.* Aliens lawfully admitted to the United States for permanent residence may establish North Carolina residence in the same manner as any other nonresident.

*Property and Taxes.* Ownership of property in or payment of taxes to the State of North Carolina apart from legal residence will not qualify one for the in-state tuition rate.

*Change of Status.* The residence status of any student is determined as of the time of his first enrollment in an institution of higher education in North Carolina except:

(a) in the case of a nonresident student at the time of first enrollment who has subsequently maintained domicile as a nonstudent for at least twelve consecutive months and

(b) in the case of a resident who abandons his legal residence in North Carolina.

In either case, the appropriate tuition rate will become effective at the beginning of the first subsequent term enrolled.

*Responsibility of Students.* Any student or prospective student in doubt concerning his residence status must bear the responsibility for securing a ruling by stating his case in writing to the Admissions Officer. The student who, due to subsequent events, becomes eligible for a change in classification, whether from out-of-state to in-state or the reverse, has the responsibility of immediately informing the Office of Admissions and Registration of this circumstance in writing. Failure to give complete and correct information regarding residence constitutes grounds for disciplinary action.

### SCHEDULE OF EXPENSES

Per Semester	In-State	Out-of-State
Registration .....	\$ 8.00	\$ 8.00
General Fee .....	5.00	5.00
Tuition (If less than 10 hrs.: in-state—\$11.00 per hr. out-of-state—\$77.50 per hr.) .....	110.00	775.00
Health Service .....	14.00	14.00
Health and Accident Insurance .....	8.00	8.00
Other required Fees .....	65.00	65.00
	\$210.00	\$875.00
 <b>For Students Living on Campus:</b>		
Add:		
Room, Linen and Board .....	\$425.00	\$ 425.00
	\$635.00	\$1300.00

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 \$30.00. 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 .....	\$ 4.00
General Fee .....	5.00
Tuition (per semester hour	
North Carolina Residents .....	11.00
Out-of-State Residents .....	77.50
Health Service and Student Center .....	15.00
For Students Living on Campus	

**Per Term of Summer Session**

For Students Living on Campus

Add:

Room, Linen, and Board .....	\$138.00
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**LIST OF FEES**  
(Per Semester)

**APPLICATION**

Application Fee .....	\$ 10.00
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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 .....	8.00
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This fee must be paid at the time of registration each semester and is non-refundable.

General Fee .....	5.00
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This fee must be paid each semester. It is used to maintain laboratory, library, and other special supplies and equipment.

Tuition

North Carolina Residents .....	110.0
Out-of-State Residents .....	775.0



**GENERAL FEES**

Health Service .....\$ 14.00

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 ..... 65.00

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 .....\$425.00

Graduation Fee ..... 10.00

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 4 years 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.

### 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

*Head:* ADOLPH L. DIAL

DAVID K. ELIADES  
ROBERT K. GUSTAFSON  
ROBERT E. KERSHAW, JR.

DAVID A. MCLEAN  
ROBERT W. REISING

Pembroke State University had an humble beginning in 1888 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 does not offer a major at this time.

## COURSES

### 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.

#### 301. Contemporary Problems of American Indians

A study of Indian-white contacts, the impact of federal policy on American Indians, and the adaptation 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.

#### 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.

**ANTHROPOLOGY**

357. Field Techniques in American Indian Archeology (Sociology 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 1975-1976 and alternate years. Credit, 3 semester hours.
358. Pre-History of North American Indians (Sociology 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 1975-1976 and alternate years. Credit, 3 semester hours.

**ART**

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

**COMMUNICATIVE ARTS (LITERATURE)**

220. American Indian Literature (Communicative Arts 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.  
Indian prior to or in conjunction with this course. Fall, summer. Credit, 3 semester hours.
50. Seminar in Native American Literature (Communicative Arts 450)  
A study of selected topics in American Indian literature. Fall of 1975-76 and alternate years. Credit, 3 semester hours.

**HISTORY**

10. History of the American Indian (History 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.
19. History of the American Indian in North Carolina (History 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.

**401. Colloquium on American Indian History (History 401)**

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.

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

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



## ART

*Chairman:* PAUL VAN ZANDT

JOHN F. FLYNN  
LARRY D. HEFNER

ROBERT E. KERSHAW, JR.  
TOM SPECK

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 prepare and display an exhibition of his work from his area of concentration.

### Requirements For A Bachelor Of Arts Degree

	Sem. Hrs.
Basic Studies Requirement* (p. 47)	45
Major Requirements	
Twenty-seven semester hours of lower level art studies: 100, 101, 102, 105, 109, 111, 132, 133, 140, 151	
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	54
Electives	21
<b>Total</b>	<b>120</b>

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

### Requirements For A Bachelor Of Science Degree With Teacher Education Certification For Teaching At The K-12 Level

	Sem. Hrs.
Basic Studies Requirements* (p. 47)	45
Major Requirements	
Twenty-seven semester hours of lower level art studios: 100, 101, 105, 107, 109, 111, 132, 133, 140, 151	
Six semester hours, advanced History of Art	

Nine semester hours, one area of advanced art studio	
Six semester hours, Art Education: 108-A, 306	48
Professional Education Requirements:	
Ed. 202, 227, 308, 419, 445, 448; Art 400	24
Electives	3
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Total	120

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

## COURSES

### 100. Art Concepts

Restriction: AVAILABLE TO DECLARED ART MAJORS ONLY  
A historical study of the theories and philosophies of the visual arts. An introductory analysis of past and present art theories with emphasis on their historical importance in terms of modern day concepts. A directed readings and seminar course aimed at developing 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 of all B.A. art majors.)

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 and 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 (Physical Science 107)

Photography is both an aid to scientific and technical achievement and a means for artistic expression. The course includes both "how to do it" and "why it works." A lab is included. Fall. Credit, 3 semester hours.

### 108 A. Art Education in the Public Schools (Required for B.S. Art Majors only)

A course designed to convey a working knowledge of the materials used in arts 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 School** (Required of all elementary education majors.)  
A study of arts and crafts as an integral part of teaching in 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 and spring. Credit, 3 semester hours.
109. **Figure Drawing**  
Restriction: AVAILABLE TO DECLARED ART MAJORS ONLY  
A course to introduce the student to the figure as an art form. Various techniques will be explored. Fall. Credit, 3 semester hours.
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 and spring. Credit, 3 semester hours.
132. **Introduction to Drawing**  
A course designed to acquaint the students with the basic principles of media and terminology of drawing. Fall and 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 and 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 and spring. Credit, 3 semester hours.
151. **Lettering**  
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.
165. **History and Appreciation of Art** (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 and spring. Credit, 3 semester hours.
167. **Ceramic Technology**  
An indepth 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.
174. **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 and spring. Credit, 3 semester hours.

**250. Advertising Design**

Prerequisite: Art 151

An introduction to applied lettering, layout, story, illustration, and general graphic advertising. Spring. Credit, 2 semester hours.

**251. Commercial Art Techniques**

A study of studio production of commercial art problems through the use of silk screen, air brush, scratch board, typography, line and half-tone reproductions, overlays, and color separations. Fall. Credit, 3 semester hours.

**304, 305. Advanced Drawing and Design**

Prerequisite: Art 101 & 132 (304 must be taken before 305)

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

**306. Crafts for Secondary Education**

A course of craft projects which would 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. Sculpture**

Prerequisite: Art 105

A study and application of three-dimensional principles to construct a creative expression while working in different media. Exploration of various techniques including modeling, casting, and carving. Spring. Credit, 3 semester hours.

**316. Advanced Sculpture**

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 131-132

A course designed to broaden perceptive awareness in the areas of composition, space and color theory. Fall and spring. Credit, 3 to 6 semester hours.

**341. Ceramics**

Prerequisite: Art 111

A further studio study of creative methods and aesthetics introduced in Art 111. Basic glaze theory and firing management is covered in addition to compounding clay bodies for specific ceramic techniques. Fall and spring. Credit, 3 semester hours.

- 342. Advanced Ceramics**  
An advanced study of problems in the production of sets and formulation of original glazes. Fall and spring. Credit, 3 semester hours.
- 350, 351. Printmaking I**  
Prerequisite: Art 140  
Study of relief and serigraphic printmaking processes. Fall and spring. Credit, 3 to 6 semester hours.
- 360. Problems Seminar**  
A course designed to afford the student an opportunity to explore a thesis of his own design. The student will be responsible for the structure and completion of the problems which he has proposed to explore. This course may be taken by the approval of the department chairman only. TBA. Credit, 1-3 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**  
Designed for advanced art majors to obtain experience in directing beginning students in studio techniques. Restricted to the advanced major who is supervising only in his area of concentration or secondary interest and has junior or senior standing. TBA. No credit.
- 409, 410. Printmaking II**  
Prerequisites: Art 140 and 350 or 351  
Study of intaglio printmaking processes and lithography printmaking processes. Fall and spring. Credit, 3 semester hours.
- 415. Advanced Sculpture**  
Prerequisite: Art 316  
A course designed to explore methods of working in various metals. The study of problems in welded sculpture. Spring. Credit, 3 semester hours.
- 416. Advanced Sculpture**  
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: Spring of one year and Fall of the next. Credit, 3 semester hours.
- 422. Italian Renaissance Art History**  
A study of the art of the Italian Renaissance. Offered once each

academic year: Spring of one year and Fall of the next. Credit, 3 semester hours.

423. Modern Art History

A study of the artists and art schools that evolved in Europe during the 19th century. Offered once each academic year: Spring of one year and Fall of the next. 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. Offered once each academic year: Spring of one year and Fall of the next. 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. Offered once each academic year: Spring of one year and Fall of the next. 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 2th century art. Offered once each academic year: Spring of one year and Fall of the next. Credit, 3 semester hours.

427. American Indian Art History (American Indian Studies 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

Prerequisite: Art 332

An exploration of the various manners and approaches to creative painting and their relationship to the individual's experience. Fall and spring. Credit, 3 semester hours.

436. Advanced Painting

A course for the student's personal development of individual expression in painting. Fall and spring. Credit, 3 semester hours.

441. Advanced Ceramics

Prerequisite: Art 342

Studio projects in compounding whitewares (porcelanous bodies) and the study of problems peculiar to these bodies. The formulation of suitable glazes and special aesthetic problems will be considered. Fall and spring. Credit, 3 semester hours.

442. Advanced Ceramics

Prerequisite: Art 441

The assignment of creative ceramic problems in line with individual student interest and needs. Fall and 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 and spring. Credit, 3 semester hours.

**460. Problems Seminar**

A course designed to afford the student an opportunity to explore a thesis of his own design. The student will be responsible for the structure and completion of the problems which he has proposed to explore. This course may be taken by the approval of the department chairman only. TBA. Credit, 1-3 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 and spring. Credit, 1 to 3 semester hours.

**BIOLOGY***Chairman:* ROBERT F. BRITT

FRED W. BECKERDITE

JAMES B. EBERT

DAVID K. KUO

JOSEPH A. MCGIRT

\*HAROLD D. MAXWELL

LINDA B. OXENDINE

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 with pay 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.

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\* On Academic Leave



**Requirements For A Bachelor Of Science Degree In Biology**

	Sem. Hrs.
Basic Studies Requirements (p. 47)	45
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, 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 211-212, 221, 222, 301, 310, 319, 350, 372, 376, 430, 431, 461	33-35
Mathematics 107, 108 or 107, 118	6
Chemistry 100, 101	8
Electives	26-28
	<hr/> 120

**Requirements For a Bachelor of Science Degree With Teacher Certification**

	Sem. Hrs.
Basic Studies Requirements (p. 47)	45
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, 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 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	2-4
	<hr/> 120

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

	Sem. Hrs.
Basic Studies Requirements (p. 47)	(45) 33
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
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	120-124

## COURSES

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. 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 1975-76 and alternate years. Three lectures weekly. Credit, 3 semester hours.

### 207. History of Biology

An introduction to the major ideas of Biology and their development. Fall of 1976-77 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.

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\* Strongly recommended but not required.

- 211, 212. Human Anatomy and Physiology  
Prerequisite: Biology 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 1975-76 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 1976-77 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 structures, form, and reproduction. Fall of 1976-77 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.
232. Morphology of the Vascular Plants  
A continuation of Biology 231, a survey of the plant kingdom with emphasis on selected types of vascular plants. Spring of 1976-77 and alternate years. Three lectures and a two-hour laboratory weekly. Credit, 4 semester hours.
301. 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 1976-77 and alternate years. One lecture and two, two-hour laboratory periods weekly. Credit, 3 semester hours.
304. Principles of Ecology  
An introduction to the principles and materials of ecological research. At least two Saturday field trips are required. Fall. Two lectures and two, two-hour laboratory periods weekly. Credit, 4 semester hours.
05. Introductory Mycology  
An introduction to the fungi, with emphasis upon taxonomy and physiology, including some reference to their economic importance. Fall of 1975-76 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 1975-76 and alternate years. Two lectures and two, two-hour laboratory periods weekly. Credit, 4 semester hours.

**315. Microbiology**

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

**319. Animal Parasitology**

An introduction to the classification, morphology, life history, and control of some common parasites. Spring of 1975-76 and alternate years. Two lectures and a two-hour laboratory period weekly. Credit, 3 semester hours.

**340. Plant Taxonomy**

An introduction to systematic botany with emphasis on identification of the local vascular flora. Spring of 1975-76 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 1976-77 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 1976-77 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 1976-77 and alternate years. Two lectures and two, two-hour laboratory periods weekly. Credit, 4 semester hours.

**371. Cell Biology**

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

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

**372. Vertebrate Histology and Microtechnique**

Prerequisite: Biology 102, General Zoology

A course in the techniques of preparing tissues for microscopic examination. Slide preparation and tissue identification will be emphasized. Spring of 1975-76 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 1975-76 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

420. Plant Ecology

Prerequisite: Biology 304

Study of various environmental factors operative in different natural habitats. Spring of 1976-77 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 1975-76 and alternate years. Three lectures weekly. Credit, 3 semester hours.

430. Animal Ecology

Prerequisite: Biology 304

A study of animal ecology with emphasis on adaptations to various habitats and interorganismic relationships. Spring of 1975-76 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

441. Ichthyology

Prerequisites: Biology 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 1976-77 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

461. Animal Physiology

Prerequisites: Biology 100, 102; Chemistry 300, 301; and Biology 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 1975-76 and alternate years. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

472. Principles of Genetics

Prerequisites: Chemistry 100, Mathematics 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. Spring. Three lectures and a two-hour laboratory period weekly. Credit, 4 semester hours.

99. Research in Biology

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

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

Designed to provide the student with experience in the analysis and solution of problems in the areas of his major interests. The problem will be presented to the Biology faculty in written form. Fall, spring, summer. Credit, 1 to 3 semester hours.

**BUSINESS ADMINISTRATION***Chairman:* KARL SCHEELE

GEORGE AMMONS  
HAZEL COATES  
MAGNOLIA GRIFFITH

DAVID MAYNOR  
ALBERT PEJACK  
GLORIA SWEET

The Department seeks to meet the increasing demand for trained men and women who can assume responsible leadership in business, education, and professional life. The student is offered programs leading to the Bachelor of Science degree in Business Administration with a major either in Management or in Accounting or to a Bachelor of Science degree in Business Education with certification by the State to teach Business subjects at the Secondary Level.

Other objectives of the Department are: (1) to offer "Introduction to Business" and "Income Tax Procedure" as Social Science electives which may be taken by any student of the University in partial fulfillment of the basic studies requirement, (2) to serve the business community of the area by sponsoring conferences and management training programs, (3) to encourage business research, and (4) to prepare students for graduate school.

### **Requirements for a Bachelor of Science Degree in Business Administration with Emphasis on Management**

	Sem. Hrs.
Basic Studies Requirements (p. 47)	45
Major Requirements (Bus. Adm.)	
Business 227, 228, 307, 308, 310, 312, 315, 316, 317, 408, 415, 441, 462, 465, and 466	
Economics 201, 202, 304	
Mathematics 107, 118	60
Electives	15
Total	120

### **Requirements for a Bachelor of Science Degree in Business Administration with Emphasis on Accounting**

	Sem. Hrs.
Basic Studies Requirements (p. 47)	45
Major Requirements (Bus. Adm.)	
Business 227, 228, 307, 310, 312, 315, 316, 321, 322, 415, 417, 421, 423, 424, 458, 462	
Economics 201, 202, 304	
Mathematics 107, and 118	63
Electives	12
Total	120

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

	Sem. Hrs.
Basic Studies Requirements (p. 47)	45
Major Requirements (Bus. Ed.)	
Business 104, 201, 202, 209, 214, 227, 228, 303, 305, 312, 313, 314, 315 or 316, 403, 450, 453, 462	
Economics 201	51
Professional Education Requirements	
Ed. 202, 227, 308, 400, 419, 445, 448	24
Electives	0
Total	120

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

Basic Studies Requirements (p. 47)	45
Major Requirements (Bus. Ed.)	
Business 104, 201, 202, 209, 227, 228, 303, 305, 312, 315 or 316, 317, 403, 450, 453, 462	
Economics 201	45
Professional Education Requirements	
Ed. 202, 227, 308, 400, 419, 445, 448	24
Electives	6
Total	120

## COURSES

### GENERAL BUSINESS

29. Introduction to Business  
A survey and operational analysis of business administration and organization. Consideration is given to such topics as legal forms of business, management, marketing, risk, accounting, statistics, and governmental regulation. A general course designed for all students. Fall. Credit, 3 semester hours.
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.
00. Principles of Insurance  
Basic principles and practices of life, property, casualty, and social insurance. Spring. Credit, 3 semester hours.
03. 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.

**310. Business and Economic Statistics**

Prerequisite: Math 118

A study of statistical techniques including sampling, estimating unknown parameters, projecting time-series trends, correlation and regression analysis, index construction, and probability theory. Spring. Credit, 3 semester hours.

**312. Marketing**

Prerequisite: Bus. 228

Marketing institutions and methods with emphasis on social, economic, and managerial aspects of distribution. Spring. Credit, 3 semester hours.

**315. Business Law I**

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

**316. Business Law II**

The general principles of business law, including personal and real property, mortgages, insurance, bankruptcy, suretyship and trade regulations. Spring. Credit, 3 semester hours.

**320. Advertising**

The principles, practices, and effects of advertising, including cost means, and media. Spring. Credit, 3 semester hours.

**415. Business Finance**

Prerequisite: Bus. 228

The basic principles of business finance as they apply to various forms of business organization: type of securities, obtaining short and long term capital. Includes financial planning and control, forecasting and budgeting. Fall. Credit, 3 semester hours.

**416. Investment Principles and Practices**

Prerequisite: Bus. 228

A study of a systematic way of thinking about problems of investment policy, management of a securities portfolio, and an introduction to the field of security analysis. Spring. Credit, 3 semester hours.

**420. Salesmanship**

A study of the significance of sales in the economy; principles and methods of salesmanship and the management of sales. Spring. Credit, 3 semester hours.

**462. Business Information Systems**

Prerequisite: Bus. 228

The course is intended to provide students in business with an understanding of how computer-based business information systems are constructed. Spring. Credit, 3 semester hours.

**MANAGEMENT****307. Principles of Management**

Prerequisite: Bus. 227

A general course designed for all majors in Business Administration and Economics. Fall. Credit, 3 semester hours.



308. **Human Relations in Management**  
Introduction to human relations as a management function. Application of basic knowledge about behavior, motivation, and interrelationship of the human resources in production. Spring. Credit, 3 semester hours.
317. **Managerial Accounting**  
Prerequisite: Bus. 228  
This accounting course emphasizes how accounting data can help managers to get things done. The product of accounting is applied to the process of management. Fall. Credit, 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**  
The human phase of organization, personnel efficiency, handling personnel situations, developing work-teams, labor relations and administration of matters affecting the personnel of an organization. Spring. Credit, 3 semester hours.
41. **Production Management**  
Prerequisite: Bus. 307 and 310  
Operations analysis is presented through a study of production models. Analytical techniques are applied to production problems. Fall. Credit, 3 semester hours.
65. **Business Decisions Under Uncertainty**  
Prerequisite: Bus. 307 and 310  
An analysis of decision making in the face of uncertainty under various competitive conditions. Fall. Credit, 3 semester hours.
66. **Business Policy**  
Prerequisite: Bus. 465  
Problems solving and decision making as used by top management. Spring. Credit, 3 semester hours.

## ACCOUNTING

- 27, 228. **Principles of Accounting I and II**  
Introduction to accounting. Fall, spring. Two lectures and two laboratory periods weekly. Credit, 6 semester hours.
- 21, 322. **Advanced Accounting I and II**  
Financial accounting measurement including such areas as determination of periodic income, cost allocation, depreciation theory, equity measurement, and flow of funds. Fall or spring. Credit, 6 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.

**421. Advanced Accounting Problems**

Prerequisite: BUS 322

Discussion and problems are used to develop and refine problem solving techniques for areas frequently recurring in the C.P.A. examination and in accounting practice. Fall. Credit, 3 semester hours.

**423, 424. Cost Accounting**

Prerequisite: Bus. 322

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 6 semester hours.

**458. Auditing**

Prerequisite: Bus. 322

Auditing standards, principles, procedures, and techniques: internal control; audit programs, working papers, and reports. Spring. Credit 3 semester hours.

**BUSINESS EDUCATION****102, 201, 202. 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 hour for each level with a total of 6 semester hours.

**103s. The Metric System (Mathematics 103S)**

A treatment of the metric system and applications. Emphasis is upon working within the metric system rather than upon conversion factors with respect to the English System. Summer. Credit, 1 semester hour.

**104. Business Mathematics**

The student develops and reviews basic mathematical and statistical concepts needed to understand modern business. Included are financial records and statements, payrolls, ratios, interest and discount calculations, frequency distributions and averages. Spring, Credit, 3 semester hours.

**213, 214. Beginning Shorthand I and II**

Fundamental principles of Gregg Shorthand with special emphasis on accuracy and speed. Practice work in dictation and transcription. Ability to take dictation 80 words a minute and to transcribe easily and accurately. Fall, spring. Three lectures and two laboratories weekly. Credit, 6 semester hours.

**303. Business Communications**

Same as CMA 303

Development of skill in the fundamentals of effective communication and detailed study of principles and application of business letters

and business writings, including business reports and other forms of business communication. Fall. Two lectures weekly, Credit, 2 semester hours.

305. **Business Machines**

Development of vocational proficiency in the following office machines: ten-key and full-key adding listing machines, rotary calculator, printing calculator, electronic calculator, dictation and transcription equipment, and liquid and spirit process duplicators. Spring. Three laboratories weekly. 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. Fall. Three lectures and two laboratories weekly. Credit, 3 semester hours.

314. **Advanced Shorthand II**

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

450. **Principles and Problems in Business Education**

Aims and objectives of business education. Evaluation of various business curricula in relation to modern education philosophy, trends and problems in business education, and findings in research in business education. Spring. 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 of effective secretarial procedures in the business office 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 machines in an office. Fall. One lecture and three laboratories weekly. Credit, 3 semester hours.

**COMMUNICATIVE ARTS***Chairman:* RAYMOND J. RUNDUS

RICHARD H. BAUM  
 DONALD B. DALTON  
 ALBERT D. DUNAVAN  
 JAMES S. FARMER  
 MARJORIE L. FARMER  
 GRACE E. GIBSON  
 LOIS B. LEWIS  
 REBA M. LOWRY

NORMAN W. MACLEOD  
 JOSEF L. MANDEL  
 BERTHA B. MATHEWS  
 GEORGE W. POLHEMUS  
 ROBERT W. REISING  
 RICHARD R. VELA  
 ANN F. WELLS  
 RUDY D. WILLIAMS

The Communicative Arts Department of Pembroke State University exists for the common good of its students, of the campus community, and of a rational and humane society. To serve these purposes, the Department attempts to offer distinctive, realistically conceived, and well-executed programs for (1) the Basic Studies student, to whom a wide choice of courses is available, (2) the Communicative Arts Major (Four Options), (3) the Foreign Language student (majors in French and Spanish, concentration in German, some Latin courses), (4) the student seeking North Carolina Teacher Certification (see English and Speech Education and French and Spanish programs), 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 aware of and 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; each student is asked to prepare and file an acceptance form following completion of his "core" major requirements. Also available is information about developing specialty concentrations in American Literature, Comparative Literature, Dramatic Literature and Performance, Ethnic Studies, Expository and Creative Writing, Foreign Language Areas, Linguistics and Grammar, Literary Genres and Figures, Journalism and Mass Communications, and Public Address and Public Affairs. These are generally available 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.

With the exception of CMA 250: Introduction to Theatre,

CMA 105: Contexts for Composition I and CMA 106: Contexts for 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

Basic Studies Requirements (p. 47)	Sem. Hrs. 45
<b>Major Requirements</b>	
"Core" Course: CMA 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 1975-76 major requirements)	39
Six semester hours of foreign language	
<b>Electives</b>	36
<b>Total</b>	<hr/> 120

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

Basic Studies Requirements (p. 47)	Sem. Hrs. 45
<b>Major Requirements</b>	
"Core" Major Courses: CMA 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; 1 hour of EED 399; and 4-6 semester hours of CMA or EED electives	44-46
Six semester hours of foreign language	
<b>Professional Education Requirements</b>	
EED or EDN 400; Education 202, 227, 308, 419, 445, 448	24
<b>Electives</b>	5-7
<b>Total</b>	<hr/> 120

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

Basic Studies Requirements (p. 47)	Sem. Hrs. 45
<b>Major Requirements</b>	
"Core" Major Courses: CMA 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 1975-1976 major requirements; minimum of six hours each in language and in literature courses)	39
Six semester hours of foreign language	
<b>Electives</b>	36
<b>Total</b>	<hr/> 120

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

	Sem. Hrs.
Basic Studies Requirements (p. 47)	45
Major Requirements	
"Core" Major Courses: CMA 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 499: Independent Study	39
Six semester hours of foreign language	
Electives	36
<b>Total</b>	<b>120</b>

### COURSES

#### 1. COMMUNICATIVE ARTS

- 099. Basic Communications Skills**  
The study and practice of basic English skills. Special attention to sentence mastery as a requirement for effective written expression. Fall, Spring. Non-Credit.
- 101. Fundamentals of Speech Communication**  
This course introduces the fundamentals of speech communication to the beginning student. Much of the content will deal with problems involved in delivering a formal address. Throughout the course speech-making is presented as a dynamic process shared by both speaker and listener and uniting both during the communication experience. Fall, spring. Credit, 3 semester hours.
- 105. Contexts for Composition I**  
Studies of thematically focused literature that engage students in writing about and discussing ideas and language important to an understanding of the contemporary world. Students who need intensive help are required to enroll in the English Education/ Communications Center. Fall, spring. Credit, 3 semester hours.
- 106. Contexts for Composition II**  
Prerequisite: CMA 105 or transferred equivalent  
A continuation of CMA 105, with special attention to research and presentation techniques. Fall, spring. 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 to those students who fail the English Proficiency Test. Those passing this course are excused from the English Proficiency Test. Fall, spring. Non-Credit.
- 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 hours.

### 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 and 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.

## EXPOSITORY AND CREATIVE WRITING

### 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 of 1976-77 and alternate years. 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 of 1976-77 and alternate years. Credit, 3 semester hours.

### 370. Advanced Composition/Technical Writing

Prerequisite: Junior or Senior Standing

An upper-division writing course designed to meet communication needs and interests of students majoring in any of the three main divisions of the University: Humanities, Social and Behavioral Sciences, and Mathematics and Natural Science. Fall, each year. 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.

### 26. Creative Writing Workshop

Prerequisite: CMA 277 or 370 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 AND BUSINESS AND MASS COMMUNICATIONS**

- 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. Fall, spring. Credit, 3 semester hours.
- 215. Newswriting and Reporting I**  
Prerequisite: CMA 210  
An introduction to print journalism with emphasis on the development of skills and techniques in effective newswriting. Fall of 1975-76 and alternate years. Credit, 3 semester hours.
- 216. 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. Spring of 1975-76 and alternate years. Credit, 3 semester hours.
- 303. Business Communications**  
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. Same as Business Education 303. Fall. Two lectures weekly, Credit, 2 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 of 1975-76 and alternate years. Credit, 3 semester hours.
- 309. Editorial Writing (see under Expository and Creative Writing)**
- 311. Law and Ethics of Journalism**  
Prerequisite: CMA 210 recommended  
Concepts of press freedoms and responsibility, libel, and potential conflict between the constitutional guarantees of fair trial and free press; study of judicial rulings in these areas. Spring of 1975-76 and alternate years. Credit, 3 semester hours.
- 316. 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, spring. Credit, 3 semester hours.
- 375. Studies in Film, Radio, and Television Communication**  
Prerequisite: CMA 210  
Advanced studies in the processes and effects of electronic media. Particular attention to the development of the media; the media's potential in mass communications; and the career opportunities possible in related fields. Spring. Credit, 3 semester hours.



**390. Community Journalism**

Prerequisite: CMA 215, 216 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 in the area. Ordinarily offered during the summer. Credit, 3 semester hours.

**LINGUISTICS AND GRAMMAR****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.

**271. Introduction to Descriptive Linguistics**

The nature of language, its systematic description and analysis; attention to modern linguistic theory and applied English linguistics. Fall. Credit, 3 semester hours.

**317. Semantics**

Prerequisite: CMA 245 or permission of Department Head

An introduction to the study of the meaning which will sketch the major movements in contemporary American English diachronically and synchronically. Spring of 1975-76 and alternate years. Credit, 3 semester hours.

**318. Language Acquisition of Children**

Prerequisites: 245 and/or Education 102

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

**319. American Dialects**

Prerequisite: CMA 245 recommended

A study of regional dialect patterns in contemporary American English, including consideration of class and cultural differences and of language variety. Special attention to local, area, and Southern dialects. Fall, 1975-1976, and alternate years. 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. Credit, 3 semester hours.

**381. Language and Society**

Prerequisite: CMA 245 or permission of Department Head

An introduction to the socio-linguistic consequences of language. The effect of language on society and society on language. Spring. Credit, 3 semester hours.

## 393. History of the English Language

Prerequisite: CMA 245 or 371

An historical study of the development of the English language from its Indo-European ancestry to the twentieth century, with emphasis on the many influences affecting its phonology, morphology, syntax, and orthography. Fall of 1975-76 and alternate years. Credit, 3 semester hours.

**LITERATURE**

## 204. Mythology of All Peoples

A study of mythic motifs and themes in oral and early written literatures, including Asian, African, and American Indian, as well as Greco-Roman and Teutonic-Norse literature; development of mythic traditions in early and modern societies. Fall, 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. 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. Credit, 3 semester hours.

## 207a. Topics in World Literature: Poetry

A study of a major genre of world literature: its characteristics and significance as both a cultural product and a form of literary expression. Fall, spring. Credit, 3 semester hours.

## 207b. Topics in World Literature: Drama

An alternate to 207a, with drama as the subject of study. Credit, 3 semester hours.

## 207c. Topics in World Literature: Fiction

An alternate to 207a and 207b, with fiction as the subject of study. Credit, 3 semester hours.

## 217. Medieval and Renaissance English Literature

Prerequisites: 105 and 106

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. Fall, spring. Credit, 3 semester hours.

## 218. Restoration, Eighteenth Century, and Romantic English Literature

Prerequisites: CMA 105 and 106

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. Fall, spring. Credit, 3 semester hours.

219. **Victorian and Modern English Literature**  
Prerequisites: CMA 105, 106  
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, spring. Credit, 3 semester hours.
220. **American Indian Literature (American Indian Studies 220)**  
An introduction to American Indian literature. Texts written, collected or edited by American Indians will be used whenever possible. Spring. Credit, 3 semester hours.
221. **Major American Authors**  
A study of the lives and works of major authors in American literature, particularly Poe, Whitman, Melville, Twain, O'Neill, and Faulkner, and an examination of the related contexts of American culture, to which the work of these authors may be either a contribution or a response. Fall, spring. Credit, 3 semester hours.
302. **Literary Analysis and Interpretation**  
Prerequisites: 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.
342. **The English Novel**  
Prerequisite: CMA 218 and/or 219  
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 of 1975-76 and alternate years. Credit, 3 semester hours.
343. **The American Novel**  
Prerequisite: CMA 221 recommended  
A critical study of the American novel and a reading of selected novels from Fenimore Cooper to the present, with emphases on the formal development of the novel and its reflection of various American social and cultural contexts. Fall of 1976-77 and alternate years. 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.
354. **Modern Drama**  
A study of selections from the drama of the Western world of the

- nineteenth and twentieth centuries. Spring of 1975-76 and alternate years. Credit, 3 semester hours.
366. **Modern British and American Poetry**  
A study of British and American poetry from Whitman, Dickenson, and Hardy to Sylvia Plath in the early 1960's with emphasis on the major poets of the twentieth century. Spring of 1976-77 and alternate years. Credit, 3 semester hours.
403. **Contemporary World Fiction**  
Prerequisite: CMA 206 or 207c recommended  
A survey of the short story, short novel, and novel in Western Literature of the twentieth century. Fall of 1975-76 and alternate years. Credit, 3 semester hours.
- 425a. **Seminar in Literary Figure(s)**  
Prerequisite: Restricted to upper-division majors  
Intensive study of a major literary figure or figures, with emphasis on class consideration of selected topics or problems. May be repeated with different figures (s) for a maximum six hours credit with written permission of advisor and Department Head. Each semester if interest warrants. Credit, 3 semester hours.
- 425b. **Seminar in Literary Figure(s)**  
An alternate to 425a. Credit, 3 semester hours.
- 435a. **Seminar in a Literary Period**  
Prerequisite: Restricted to upper-division majors  
Sustained study of a significant literary period, with emphasis on class consideration of selected topics or problems. May be repeated with a different period for a maximum of six hours credit with written permission of advisor and Department Head. Each semester if interest warrants. Credit, 3 semester hours.
- 435b. **Seminar in a Literary Period**  
An alternate to 435a. Credit, 3 semester hours.
440. **Studies in Criticism**  
Prerequisites: 6 hours of literature courses and CMA 302; or permission of Department Head.  
An introduction to the principles of criticism and the development of critical theories, emphasizing the pragmatic application of critical and interpretive tools. Topics may vary from year to year. Spring of 1975-76 and alternate years. Credit, 3 semester hours.
450. **Seminar in American Literature (American Indian Studies 450)**  
Prerequisite: CMA 231, 232, or permission of Department Head  
A thematic study of aspects of nineteenth and/or twentieth century American literature. Opportunities for concentrated reading and critical responses to material. Specific thematic approach and readings to be announced prior to term in which course is being offered. Normally taught in spring term or in special short terms and may be repeated for a maximum of six hours credit with permission of Instructor and the Department Head. Fall of 1975-76 and alternate years. Credit, 3 semester hours.

**SPEECH AND SPEECH CORRECTION**

225. **Argument and Debate I**  
The essentials of argumentation; use of reasoning and evidence; definitions, analysis, case construction and refutation; application to various forms of speech making. Fall. 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, spring. 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. Fall, spring. Credit, 3 semester hours.
307. **Auditory and Vocal Aspects of Communication**  
An introductory course in speech and hearing. A study of normal and deviant functioning of vocal and auditory mechanisms. Provides the student with knowledge of diagnostic, surgical, and educational practices which are utilized when functional or organic disturbances limit normal speech production. Spring. Credit, 3 semester hours.
315. **Voice and Diction**  
A study of the principles of voice production; consideration to the elimination of harshness, fatigue, faulty articulation; detailed study of the International Phonetic Alphabet. Fall. Credit, 3 semester hours.
321. **Advanced Public Speaking**  
Special attention given to classical theory through the analysis, presentation and preparation of selected speeches. Spring. Credit, 3 semester hours.
325. **Argument and Debate II**  
Prerequisite: CMA 225  
Participation in debate tournament competition. Fall, spring. Credit, 3 semester hours.
357. **Discussion Techniques**  
An exploration of various discussion techniques with an emphasis on small group discussion. Parliamentary procedure will be studied as a means of formalizing discussion. Spring. Credit, 3 semester hours.

**THEATRE**

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, spring. Credit, 3 semester hours.
250. **Introduction to the Theatre**  
Introduction to both the practice and literature of the theatre; survey

of the artists of the theatre and dramatic literature from Greece to the present. Fall, spring. 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.

**330. Play Production**

Theoretical and practical experience in costuming, lighting and staging plays. Spring. Credit, 3 semester hours.

**331. Play Direction**

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

**360. History of the Theatre: The Beginnings to 1642.**

Prerequisite: CMA 250 or consent of Department Head

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

**361. History of the Theatre: 1660 to the Present.**

Prerequisite: CMA 360 or consent of Department Head

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

## INDEPENDENT STUDY

**499. Independent Study**

Independent study is offered to senior Communicative Arts majors in good academic standing following approval of the Department Head. A proposal for the study is submitted to the Department Head and to the Office for Academic Affairs; one copy of the completed project is filed in the Office for Academic Affairs; another is catalogued in Mary Livermore Library. Fall, spring. Credit, 1-3 semester hours.

## II. ENGLISH AND SPEECH EDUCATION

The English and Speech Education programs are planned to 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 for updating of their preparation through an annual English Education Conference and summer or academic year workshops.

Seven 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 cer-

tification). 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. Credit, 3 semester hours.

**372. English Language for Adolescents**

Prerequisite: CMA 271; 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. Credit, 3 semester hours.

**383. Children's Literature (Intermediate Grades)**

English 383 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. 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. Speech and Drama for Children**

For students in elementary education. Methods of teaching creative language arts. Presentation of stories, poetry, oral reading, and creative dramatics. Fall, spring. 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. Each semester. Credit, 1-2 semester hours. Maximum: 4 semester hours.

**400. Methods of Teaching Communicative Arts in the Secondary School**

Purposes, methods, materials, and evaluation procedures in the certi-

fication area: directed observation in the secondary school; preparation of teaching plans and materials: English, French, and Spanish. Spring. Accelerated. 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.

#### Requirements for a Bachelor of Arts Degree in French:

	Sem. Hrs.
Basic Studies Requirement (p. 47)	45
Major Requirements:	
30 semester hours above the elementary level including: French 231-232 or equivalent; 255; 321, or 322; plus 18 additional hours of French electives.	30
Electives	45
Total	120

#### Requirements for a Bachelor of Arts Degree in French With Certification by the State for Teaching French at the Secondary Level:

	Sem. Hrs.
Basic Studies Requirement (p. 47)	45
Major Requirements:	
30 semester hours above the elementary level including: French 231-232 or equivalent; 255, 256, 321, 322, 361; 431; and six hours of French electives, excluding 261.	30
Professional Education Requirements:	
EED or EDN 400; Education 202, 227, 308, 419, 445, 448	24
Electives	21
Total	120

#### Requirements for a Bachelor of Arts Degree in Spanish:

	Sem. Hrs.
Basic Studies Requirement (p. 47)	45
Major Requirements:	
30 semester hours above the elementary level including: Spanish 231-232 or equivalent; 255; 261 or 360; 321 or 322; plus 15 additional hours of Spanish electives.	30
Electives	45
Total	120



## Requirements for a Bachelor of Arts Degree in Spanish with Certification by the State for Teaching Spanish at the Secondary Level:

	Sem. Hrs.
Basic Studies Requirement (p. 47)	45
Major Requirements:	
30 semester hours above the elementary level including: Spanish 231-232 or equivalent; 255, 256, 321, 322; 360, 431; plus 6 additional hours of Spanish electives, excluding 261.	30
Professional Education Requirements:	
EED or EDN 400; Education 202, 227, 308, 419, 445 448	24
Electives	21
Total	120

NOTE: CMA 271 Introduction to Descriptive Linguistics is recommended as a general elective for Foreign Language Majors. The Survey of Literature course should ordinarily be taken prior to enrollment in specialized literature course.

## FRENCH

### 131, 132. Elementary French

Introduction to understanding, speaking, reading, and writing French. Audio-lingual techniques, phonetics, pronunciation, dictation, conversation, fundamentals of grammar, easy literary reading, simple compositions, civilization, geography, songs, realia, and audio-visualized instruction. For beginners. Includes one hour of laboratory practice weekly. Fall, spring. Credit, 6 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. Includes one hour of laboratory practice weekly. 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.

### 261. Life and Culture of France

A course offered in English to give students an understanding of the way of life and all aspects of the culture of France. Fall. Credit, 3 semester hours.

### 321, 322. Survey of French Literature

Prerequisite: Intermediate French or permission of Department Head  
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: French 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.
- 431. Advanced French Grammar and Composition**  
An intensive and systematic investigation of French grammar beyond the intermediate level. Review of idioms and syntax; translations from English to French; original composition; stylistic analysis of literary texts. Includes material on the history of the language, its sound system, and applied linguistics. Fall. Credit, 3 semester hours.
- 435, 436. Nineteenth Century French Literature**  
Outstanding authors and their works in romanticism, realism, naturalism, and symbolism. Fall, spring. Credit, 6 semester hours.
- 441. Seventeenth Century French Literature**  
Outstanding authors and their masterpieces in the preclassical, classical and transition periods. Fall. Credit, 3 semester hours.
- 442. Eighteenth Century French Literature**  
Leading writers during the formation of the philosophical spirit, the philosophical struggle, and the French Revolution. 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. Credit, 2-7 semester hours.
- 463, 464. Twentieth Century French Literature**  
Contemporary French criticism, drama, poetry, and novels, with emphasis on neo-realistic and neo-romantic tendencies. Fall, spring. Credit, 6 semester hours.
- 499. Independent Study in French**  
General course designed primarily for French majors for the exploration of individual interest areas. Student research on an approved problem under the guidance of an instructor. Regularly scheduled progress conferences between the instructor and the student for evaluation purposes. Scheduled only with the approval of the Head of the Department. Offered by arrangement. Credit, 1 to 4 semester hours.

## GERMAN

- 131, 132. Elementary German**  
Introduction to understanding, speaking, reading, and writing German. Audio-lingual techniques, phonetics, pronunciation, diction, conversation, fundamentals of grammar, easy literary and scientific readings, simple compositions, conversations, civilization, geography, songs, realia, and audio-visualized instruction. For beginners. Includes one hour of laboratory practice weekly. Fall, spring. Credit, 6 semester hours.

**231, 232. Intermediate German**

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

Intensive practice in spoken and written patterns. Pronunciation, phonetics, diction, conversation, grammar review, introduction to literary and scientific German, and formal and free composition. Includes one hour of laboratory practice weekly. Fall, spring. Credit, 6 semester hours.

**255, 256. German Conversation and Composition**

Intensive practice in aural-oral German, based on contemporary German prose and civilization subject-matter; further study of grammar, vocabulary, and idiom; further training in formal and free composition; conducted in German. Fall, spring. Credit, 6 semester hours.

**261. Life and Culture of Germany**

A course offered in English to give students an understanding of the way of life and all aspects of the culture of Germany. Fall. Credit, 3 semester hours.

**321, 322. Survey of German Literature**

Prerequisite: Intermediate German or permission of Department Head. Study of German Literature from the earliest documents to the present. Conducted in German. Parallel reading and term paper in German will be required. Fall, spring. Credit, 6 semester hours.

**431. Advanced German Grammar, Composition and Linguistics**

Further study of the morphological and syntactic structure of the German language; vocabulary and idiom study; formal and free composition; comparison of German grammar-patterns with those of English; and intensive practice in aural-oral German. Includes material on the history of the language, its sound system, and applied linguistics. Conducted in German. Fall. Credit, 3 semester hours.

**LATIN I****131, 132. Elementary Latin**

Introduction to understanding, speaking, reading, and writing Latin. Audio-lingual techniques, pronunciation, diction, simple conversation, fundamentals of grammar, easy literary readings including Caesar, simple compositions, civilization, geography, songs, realia, and audio-visualized instruction. For beginners, or those with one year of high school Latin. Fall, spring. Credit, 6 semester hours.

**231, 232. Intermediate Latin**

Prerequisite: 131, 132, or two units of high school Latin and a good score on the Latin proficiency tests.

Further practice in simple conversation, pronunciation, diction, grammar review, civilization, introduction to Latin literature including Cicero and Vergil, formal and free composition. Fall, spring. Credit, 3 semester hours.

**SPANISH****131, 132. Elementary Spanish**

An introduction to the language through drill in pronunciation,

vocabulary, syntax, composition, conversation, strengthened by listening to records and tapes, reading of simple texts, study of customs and geography of Spanish-speaking countries. For beginners. Includes one hour of laboratory practice weekly. Fall, spring. Credit, 6 semester hours.

**231, 232. Intermediate Spanish**

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

Development of a higher level of understanding of the language through review of the grammar, reading more serious literature, observing basic linguistic structure, engaging in more serious conversation, listening to records and tapes. Includes one hour of laboratory practice weekly. Fall, spring. Credit, 6 semester hours.

**255, 256. Spanish Conversation**

Provisions for extensive practice in oral Spanish, including drill in vocabulary, idiom, and basic linguistic structure. Fall, spring. Credit, 6 semester hours.

**261. Life and Culture of Spanish-Speaking Countries**

A course offered in English to give students an understanding of the way of life and all aspects of the culture of Spain and Latin America. Spring. Credit, 3 semester hours.

**321. Survey of Spanish Literature to 1800**

Prerequisite: Intermediate Spanish or permission of Department Head.

Survey of the literature from its beginning to 1800, as an out-growth of the history and civilization. Fall, Credit, 3 semester hours.

**322. Survey of Spanish Literature since 1800**

Survey of the literature from 1800 to the present, as an out-growth of the history and civilization. Spring. Credit, 3 semester hours.

**360. Hispanic Civilization and Culture**

Study of the history and civilization of Spain and Latin America and of selected aspects of Hispanic culture. Spring. Credit, 3 semester hours.

**431. Advanced Spanish Grammar, Composition, and Linguistics**

Special attention to phonetics through oral reading, to linguistics through word study, and depth study in grammar, with application of all principles in written exercises. Includes material on the history of the language, its sound system, and applied linguistics. Fall. Credit, 3 semester hours.

**435. Nineteenth Century Spanish Literature**

Study of lives and representative works of prominent writers of the period. Fall. Credit, 3 semester hours.

**444. Spanish Literature of the Golden Age**

A study of representative works and authors. Spring. Credit, 3 semester hours.

**463. Twentieth Century Spanish Literature**

Study of the works of present-day writers. Fall. Credit, 3 semester hours.

464. **Spanish-American Literature**  
Study of representative works of Spanish-American writers. Spring. Credit, 3 semester hours.
465. **Twentieth Century Mexican Literature**  
A survey of the principal literary movements of the 20th century with special emphasis on the Mexican novel. Fall. Credit, 3 semester hours.
499. **Independent Study in Spanish**  
General course designed primarily for Spanish majors for the exploration of individual interest areas. Student research on an approved problem under the guidance of an instructor. Regularly scheduled progress conferences between the instructor and the student for evaluation purposes. Scheduled only with the approval of the Head of the Department. Offered by arrangement. Credit, 1 to 4 semester hours.

**ECONOMICS***Head:* VICTOR WOLF

The objective of the Department of Economics is to provide fundamental training in economic theory supplemented by knowledge of quantitative tools and understanding of modern economic institutions and policy problems.

In conjunction with other parts of the University the Department offers a program leading to the Bachelor of Arts degree.

**Requirements for a Bachelor of Arts Degree in Economics**

	Sem. Hrs.
Basic Studies Requirements (p. 47)	45
Major Requirements	
Economics 201, 202, 301, 310, 330, 401, 408, and fifteen additional semester hours of economics from the 300 level and above	
Mathematics 107, and 108 or equivalent, and Mathematics 221	42-48
Electives	33-27
<b>Total</b>	<hr/> 120

**Requirements for a Bachelor of Arts Degree in Economics With Certification by the State to Teach Social Studies at the Secondary Level**

	Sem. Hrs.
Basic Studies Requirements (p. 47)	45
Major Requirements	
Economics 201, 202, 301, 310, 330, 401, 408, and fifteen additional semester hours of economics from the 300-level and above	
Nine semester hours from the areas of Geography, History, Political Science, and Sociology	
Mathematics 107 and 108 or equivalent, and Mathematics 221	46-52
Professional Education Requirements	
Education 202, 227, 308, 400, 419, 445, 448	24
Electives	5-0
<b>Total</b>	<hr/> 120-121

**COURSES****201. Principles of Economics I**

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

- 202. Principles of Economics II**  
Prerequisite: Economics 201  
This second part of the Principles course in economics concentrates on the determination of prices in competitive and monopolistic markets, the distribution of income along functional lines, international economics, and comparative economic systems. Fall or spring. Credit, 3 semester hours.
- 206. Economic Geography (Geography 206)**  
The same course as Geography 306. Spring. Credit, 3 semester hours.
- 301. Intermediate Micro-economic Theory**  
Prerequisites: Economics 201, 202  
Price determination and income distribution in a market economy. Fall. Credit, 3 semester hours.
- 304. Money and Banking**  
Prerequisites: Economics 201, 202  
A study of financial institutions and their role in the economy, and an analysis of the functions of money and credit. Spring. Credit, 3 semester hours.
- 310. Statistics (Business Administration 310)**  
Same as Business Administration 310.
- 320. Quantitative Methods**  
Prerequisite: Math 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: Economics 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: Economics 201, 202, 304  
An introduction to international trade, the balance of payments, and related issues of foreign economic policy. Spring. Credit, 3 semester hours.
- 41. Economic History of the United States (History 408)**  
Prerequisites: History 107, 108  
The same course as History 408. Fall. Credit, 3 semester hours.
- 01. Intermediate Macro-economic Theory**  
Prerequisites: Economics 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: Economics 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: Economics 201, 202

The application of economic principles to the administration of modern labor organizations, wage determination, collective bargaining, and public regulations. Fall. Credit, 3 semester hours.

**408. Introduction to Econometrics**

Prerequisites: Economics 301, 401, and Math 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: Economics 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.



**EDUCATION***Chairman:* WILTON G. JOYNER

JAMES G. BLOODSWORTH  
 RHODA P. COLLINS  
 CARL M. FISCHER  
 JOHN A. GIBSON  
 CHARLES R. JENKINS

JESSE M. LAMM  
 DONALD R. LITTLE  
 GERALD D. MAYNOR  
 L. L. MURRAY  
 RUTH H. NIXON  
 JOHN T. RUSSELL  
 JANIE B. SILVER

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 the beginning courses: (1) apply to the Teacher Education Committee for admission, (2) have

successfully completed two semesters of college work; (3) have an overall cumulative quality point average of 2.0 or better on a 4.0 scale; (4) present a statement of eligibility signed by the Registrar and from his advisor; (5) present an endorsement and recommendation for admission from his advisor and major department head; and (6) present a statement of health and character fitness from the Dean of Student Affairs. To be continued in the program the student must earn a grade of "C" or better in the beginning course (Ed. 27 or Ed. 201). The student who does not meet this criterion for continuing in the program is notified by the Chairman of the Teacher Education Committee.

Successful completion of the Teacher Education Program requires that the student earn a grade of "C" or better in all required professional courses.

Program participants are expected to maintain good scholastic standing throughout the entire program. Those who become ineligible for continuation in the program are, where possible, advised into other areas.

### **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 the first day of March prior to the academic year in which the student will be enrolled 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 2.3 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 check-sheets outlining course recommendations for meeting programs of study requirements are available from departmental advisers 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. 47) (To include six hours each of literature and history.)	45
Major Requirements (K-3) Education 102, 410; Art 225; Health 31; Phys. Ed. 310; Music 224;	30

EED 310, 382, 394; CMA 371	
Professional Education Requirements	24
Education 201 or 227, 202, 301, 303, 442, 446, 474;	
Electives	21
	120
<b>Total</b>	

\* 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. 47)*	45
(To include six hours each of literature and history.)	
Major Requirements (4-9)**	51
Education 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.	
Professional Education Requirements	24
Education 202, 227, 304, 307, 443, 447, 475;	
	120
<b>Total</b>	

\* 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 check-sheet in the Department of Education.

**SPECIAL EDUCATION**

The Department of Education offers a program leading to the Bachelor of Science degree in Special 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 Special Education with Teacher Certification

	Sem. Hrs.
Basic Studies Requirements (p. 47)*	45
Major Requirements	51
Ed. 102, 226, 302, 303, 410, or 413, 417, 425, 482	
Health & Phy. Ed. 418	
Art 224	
Music 209, 224	
CMA 318	
Eng. Ed. 382 or 383 or 384, 394	
Psych. 411, 412	
Professional Education Requirements	24
Edn. 202; 227; 306 or 307 or 308; 444; 449; 473	
Electives	0
Total	120

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

### COURSES

#### 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 and 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. Credits, 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.

#### 201. Foundations of Early Childhood Education

This course is a study of historical, philosophical, and sociological foundations of education in America as they relate to education of the child from kindergarten through grade three. A beginning screening course required of all K-3 majors. Fall, spring, and summer. Credit, 3 semester hours.

#### 202. Educational Psychology

Prerequisite: Ed. 227 or Ed. 201

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

#### 226. Practicum — Mentally Retarded Children

An introductory course combining theory and first-hand educative

experiences with retarded children. Fall, or spring. 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, and summer. Credit, 3 semester hours.
301. **Early Childhood Curriculum (K-3)**  
Prerequisite: Education 201  
A study of curriculum emphasizing the interrelationship between content, method, and child development. Required of all K-3 majors. Fall, spring, and summer. Credit, 3 semester hours.
302. **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 ill, mentally retarded, physically handicapped, or socially handicapped. Fall, spring or summer. Credit, 3 semester hours.
303. **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, or 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 and summer. Credit, 3 semester hours.
06. **Psychology of Early Childhood**  
Empirical findings concerning early childhood growth and development and their relevance to Early Childhood Education (K-3). Fall, spring, and summer. Credit, 3 semester hours.
07. **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 and summer. Credit, 3 semester hours.
08. **Psychology of Adolescence**  
Empirical findings and theories of adolescence relevant to the behavior and learning of adolescents. Fall, spring, and summer. Credit, 3 semester hours.
00. **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) foreign language, (f)

business education, (g) home economics. Fall, spring and summer. Accelerated. 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, and 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, and 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.

417. Tests and Measurements 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.

418. Measurements 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: Education 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, and summer. Credit, 1 to 6 semester hours.

424. Modern Trends in the Teaching of Reading

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

Methods and materials used in the diagnosis and remediation of



reading difficulties. Fall, spring, and summer. Credit, 3 semester hours.

426. **A & B 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, and 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, and summer. Credit, 1 to 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. Fall, spring, and summer. Accelerated. 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. Fall, spring, and summer. Accelerated. Credit, 3 semester hours.
444. **Foundations of Education II (Special Education)**  
Provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the teacher in the special education classroom, the school, the school system, and education. Fall, spring, and summer. Accelerated. Credit, 3 semester hours.
445. **Foundations of Education II (Secondary)**  
This course provides an understanding of the purpose, organization, and administration of schools, with special emphasis on the role of the secondary teacher in the classroom, the school, the school system, and education. Fall, spring, and summer. Accelerated. Credit, 3 semester hours.
446. **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     for eligibility criteria.) Graded "Pass-Fail". Fall and spring. Credit, 6 semester hours.
447. **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 . . . for eligibility criteria.) Graded "Pass-Fail". Fall and spring. Credit, 6 semester hours.

448. 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 . . . for eligibility criteria.) Graded "Pass — Fail." Fall and spring. Credit, 6 semester hours.

449. Student Teaching in Special Education — The Mentally Retarded

Provides continuous full-time teaching experience in an off-campus public school in special classes for the mentally retarded. (See pages . . . for eligibility criteria). Graded "Pass-Fail." Fall and spring. Credit, 6 semester hours.

455. 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.

460. Audio-Visual Materials and Procedures

Principles underlying the selection and use of multimedia materials for instructional purposes. Fall, spring, and summer. Credit, 3 semester hours.

461. Advanced Educational Media

Modern communications technology and its place in instruction. Problems of utilization, evaluation of learning materials and research; television, motion pictures, teaching machines, programmed instruction and experimental innovations. Fall, spring, or summer. Credit, 3 semester hours.

462. 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.

463. 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.

464. 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.

465. 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 evalu-

ation; and flexibility of media utilized in individualizing instruction. Fall, spring, or summer. Credit, 3 semester hours.

466. **Workshop in Educational Media for Teachers**  
A workshop designed to acquaint in-service teachers with the role of educational media in the teaching-learning process and with the selection and utilization of major types of audio-visual materials. Summer. Credit, 3 semester hours.
473. **Techniques, Materials and Resources in Special Education**  
Study of the problems, methods, and materials in teaching special education for mentally retarded children. Fall, spring, or summer. Credit, 6 semester hours.
474. **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. Fall, spring, and summer. Accelerated. 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. Fall, spring, and summer. Accelerated. Credit, 3 semester hours.
479. **Practicum in Corrective Reading**  
Prerequisite: Education 425 and/or permission by the Chairman 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 by the Head of the Department  
Provides the student an opportunity to experiment and/or to conduct an in-depth study of selected problems or projects in the teaching or reading. Fall, spring, or summer. Credit, 3 semester hours.
481. **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.
482. **Learning Disabilities of Children**  
Definition, description, and educational remediation of childhood learning disabilities. Fall, spring, or summer. Credit, 3 semester hours.

## HEALTH, PHYSICAL EDUCATION AND RECREATION

*Chairman:* RAYMOND B. PENNINGTON

ELLEN J. BRYAN  
EDWIN W. CRAIN  
HAROLD T. ELLEN  
LACEY E. GANE

KENNETH P. JOHNSON  
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 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; (2) To provide professional preparation for prospective teachers in the area of physical education; (3) To provide competition for all interested students through a comprehensive program of intramural athletics in both team and individual sports; and (4) To provide recreational activities that will enable students and faculty to enjoy their leisure time in a program that will benefit them physically, mentally, and socially.

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

	Sem. Hrs.
Basic Studies (p.47)*	45
Major Requirements: Health Education 214; 309; 311; 315; 414; Physical Education 134 or 140; 138; 230; 231; 316 or 319; 325; 336; 340; 341; 348; 349; 350; 351; 352; 353, 354, 355 (any three for men); 360, 361, 362, 363, 364, 365 (any three for women); 415; 424; 428; Service Program, 3 semester hours	53
Electives	22
<b>Total</b>	<b>120</b>

### 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 Program (p.47)*	45
Major Requirements: Health Education 309; 311; 315; Physical Education 134 or 140; 138; 316 or 319; 325; 336; 340; 341; 348; 349; 350, 351, 352, 353, 354, 355 (any	

three for men); 360, 361, 362, 363, 364, 365 (any three for women); 415; 424; Service Program, 3 semester hours	42
Professional Education Requirements: Education 202; 227; 308; 400; 419; 445; 448	24
Electives	9
Total	120

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

## COURSES

### HEALTH EDUCATION

214. **Safety Education and First Aid**  
Fundamental and practical application of administering the techniques of first aid and safety using the regular Red Cross First Aid Course. Fall or spring. Credit, 3 semester hours.
309. **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.
310. **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 better understand and cope with the health needs and differences of this age. Fall or spring. Credit, 3 semester hours.
311. **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.
315. **Prevention and Care of Athletic Injuries**  
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.
202. **Senior Life Saving**  
Designed to meet the standards established by the American National Red Cross to certify the student for duty as a Life Guard. Fall or spring. Credit, 1 semester hour.
203. **Water Safety Instructor's Course**  
Designed to meet the standards established by the American National Red Cross to certify the student as a Water Safety Instructor. Fall or spring. Credit, 1 semester hour.

**213. Modern Dance**

A beginning course in modern dance which includes rhythmic fundamentals, fundamental forms of locomotion, simple patterns of movement, simple composition, and creative activity. Fall or spring. Credit, 1 semester hour.

**230M. 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.

**230W. The Theory and Techniques of Officiating Sports I**

An intensive study of the rules and mechanics of officiating basket-hockey, soccer, and volleyball. Special emphasis will be placed on the rules published by the DGWS. Spring. Credit, 1 semester hour.

**231M. 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.

**231W. The Theory and Techniques of Officiating Sports II**

An intensive study of the rules and mechanics of officiating basketball, softball, track and field. Special emphasis will be placed on the rules published by the DGWS. Spring. Credit, 1 semester hour.

**316. Physical Education Activities for the Intermediate Grades**

A study of the materials and methods of physical education in grades 4-9 with special reference to lesson and program planning and the study of rhythmic activities and low-organization and lead-up games suitable for this level. Fall or spring. Credit, 3 semester hours.

**319. Physical Education Activities for Early Childhood**

A course that deals with physical development of children in grades K-3 as it relates to rhythmic activities, group play, and other physical activities appropriate to early childhood development. Fall or spring. Credit, 3 semester hours.

**325. Practicum in Physical Education**

Practical experience in teaching physical education activities. Student is assigned to a member of the physical education faculty as an assistant. Fall and spring. Credit, 1 semester hour.

**336. Foundations of Health and Physical Education**

A study of the relationship and contribution 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: P. E. 134 or 140

Methods, materials, techniques, and skills of teaching swimming. Fall and spring. Credit, 1 semester hour.

341. Skills and Applied Techniques in the Teaching of Tumbling and Gymnastics  
Prerequisite: P. E. 143  
Methods, materials, techniques, and skills of teaching tumbling and gymnastics. Fall and spring. Credit, 1 semester hour.
348. Anatomy and Kinesiology  
Prerequisite: Biology 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 interest. Fall. Credit, 4 semester hours.
349. Physiology  
Prerequisite: Biology 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.
351. Coaching Men's Basketball  
A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Fall. Credit, 2 semester hours.
352. Coaching Men's Track and Field  
A study of fundamentals, individual techniques and team play, conditioning, maintaining facilities and staging meets. Spring. Credit, 2 semester hours.
353. Coaching Baseball  
A study of offensive and defensive play; rules, strategies, problems of conditioning teams and maintaining facilities. Spring. Credit, 2 semester hours.
354. Coaching Wrestling  
A study of offensive and defensive play; rules, strategies, and problems of conditioning teams. Spring. Credit, 2 semester hours.
355. Coaching Men's 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.
361. Coaching Women's Basketball  
A study of offensive and defensive play; rules, strategies and conditioning. Spring. Credit, 2 semester hours.

362. **Coaching Women's Track and Field**  
A study of fundamentals, individual techniques and team play, conditioning, maintaining facilities and staging meets. Spring. Credit, 2 semester hours.
363. **Coaching Softball**  
A study of offensive and defensive play; rules, strategies, and conditioning. Spring. Credit, 2 semester hours.
364. **Coaching Volleyball**  
A study of offensive and defensive play; rules, strategies, and conditioning. Fall. Credit, 2 semester hours.
365. **Coaching Women's Soccer**  
A study of offensive and defensive play; rules, strategies, and conditioning. Fall. 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 and spring. Credit, 3 semester hours.
412. **Physiology of Exercise**  
Permission of Professor Required  
A study of the manner in which the physical potentialities of the human body meet the exacting requirements of exercise with special emphasis upon physical education activities. 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.
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.
420. **Driver Education**  
Prerequisite for the course is a state driver's license.  
Designed to assist in qualifying public school teachers to become instructors in high school programs of driver education. Credit, 4 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.

**499. Independent Study in Physical Education**

Scheduled only with approval of Department Chairman. Directed reading and research, under the guidance of the instructor, of an approved problem of a specific need to the student. For senior Physical Education majors only. Fall and spring; individual arrangement. Credit, 1 to 3 semester hours.

**PHYSICAL EDUCATION SERVICE PROGRAM**

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

- |                              |                            |
|------------------------------|----------------------------|
| 130. Adapted Activities      | 140. Intermediate Swimming |
| 131. Archery                 | 141. Physical Conditioning |
| 132. Badminton               | 142. Social Dance          |
| 133. Beginning Golf          | 143. Stunts and Tumbling   |
| 134. Beginning Swimming      | 144. Trampoline            |
| 135. Beginning Tennis        | 145. Volleyball            |
| 136. Beginning Wrestling     | 146. Weight Training       |
| 137. Bowling                 | 147. Synchronized Swimming |
| 138. Folk and Square Dancing | 148. Quadrijigging         |
| 139. Handball                | 149. Scuba Diving          |

**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         | 157. Varsity Track and Field    |
| 151. Varsity Basketball (Men) | 158. Varsity Wrestling          |
| 152. Varsity Cross Country    | 159. Varsity Cheerleading       |
| 153. Varsity Golf             | 160. Varsity Basketball (Women) |
| 154. Varsity Soccer           | 161. Varsity Tennis (Women)     |
| 155. Varsity Swimming         | 162. Varsity Volleyball (Women) |
| 156. Varsity Tennis (Men)     |                                 |

Note: Each student enrolled in any type of activity class is required to have a gymnasium uniform.

## HISTORY

*Chairman:* JOHN CHAY

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

DAVID K. ELIADES  
PAUL K. FREIWIRTH  
JEROME A. MCDUFFIE  
\*\*CLIFTON OXENDINE

History is a liberating discipline. Through the study of political, social, and cultural aspects of the modern society and the rise and development of major civilization, 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 that 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 also 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 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. Hrs.
Basic Studies (p. 47)*	45
Major Requirements	
History 107, 108, 207, 208 and twenty four additional semester hours of advanced history	36
Electives	39
Total	120

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

\*\* Professor Emeritus

### Requirements for a Bachelor of Arts Degree with Honors in History: History Honors Program

	Sem. Hrs.
Basic Studies (p. 47)*	45
Major Requirements	
History 107, 108, 207, 208 and twenty four additional semester hours of advanced history	36
History 460, 461	6
Electives	33
Total	120

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

### Requirements for a Bachelor of Arts Degree in History with Certification by the State for Teaching Social Studies at the Secondary Level

	Sem. Hrs.
Basic Studies (p. 47)*	45
Major Requirements	
History 107, 108, 207, 208 and twenty four additional semester hours of advanced history	36
Twenty one semester hours in other social studies with a minimum of 6 semester hours in each of at least three of the following areas: Economics, Geography, Political Science, Sociology, Anthropology	21
Professional Education Requirements	
Education 202, 227, 308, 400, 419, 445, 448	24
Electives	0
Total	120

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

## COURSES

#### 107. Modern Western Civilization

A survey of Western Civilization from its pre-Greek origins to 1815, with emphasis on the period from the Renaissance through Napoleon. Fall, spring, summer. Credit, 3 semester hours.

#### 108. Modern Western Civilization (cont'd)

A survey of Western civilization from 1815 to the present. Fall, spring, summer. Credit, 3 semester hours.

#### 207. American History

A survey of the development of the American Nation from the discovery of America to the outbreak of the Civil War. Fall, spring, summer. Credit, 3 semester hours.

208. American History (cont'd)  
A continuing survey of the development of the American Nation from the outbreak of the Civil War 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.
260. Afro-American History  
A treatment of the Black man in American History from his African origins to the present. Fall. Credit, 3 semester hours.
305. United States Colonial and Revolutionary America  
A study of the rise of the American Nation from the Celts and Norsemen to the formation of federal government. Fall. Credit, 3 semester hours.
308. United States History: 1789-1844  
Prerequisite: Permission of Instructor  
A study of the major political, economic, social and cultural developments from 1789 to 1844. Fall. Credit, 3 semester hours.
310. United States History, 1844-1900  
A thematic and topical study of American history from 1844-1900 with an emphasis on sectionalism, the Civil War, Reconstruction, and protest politics. Spring. Credit, 3 semester hours.
313. American History Since 1900  
An analysis of problems growing out of social, economic, and political conditions since 1900. Spring. Credit, 3 semester hours.
317. History of North Carolina  
A study of selected phases of the development of North Carolina from colonial beginnings to the present. Fall or spring. Credit, 3 semester hours.
319. History of the American Indian in North Carolina  
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.
321. Ancient History  
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  
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  
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**  
A survey of European history from the Renaissance to the French Revolution to the present. Fall. Credit, 3 semester hours.
329. **Revolution, Liberalism, and Nationalism in Europe, 1789-1914 (elective)**  
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**  
A study of conflict and cooperation in an era of global war, with emphasis on the interaction of democracy, communism, fascism, and imperialism. Spring, 3 semester hours.
335. **European Diplomatic History, 1871-1949**  
A study of European diplomatic history from the Franco-German War to the creation of NATO. Spring. Credit, 3 semester hours.
338. **History and Development of Christian Thought (Religion 338)**  
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.
344. **History of the Modern Far East**  
An introduction to the Far Eastern civilization and modern history of the Far East with an emphasis on the East-West contact in the 19th Century and development in the region in the 20th Century. Fall or spring. Credit, 3 semester hours.
345. **The United States and the Far East (PLS 345)**  
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.
- 346s. **Workshop in Contemporary Asian Problems (PLS 346s)**  
It is designed to provide the students with an up-to-date knowledge generally applicable to everyday life of today's world in the field of Asian studies, of which most of our prospective clientele that the University traditionally serves are very inadequately equipped to understand. Summer. Credit, 1 to 4 semester hours.
351. **History of Modern Middle East**  
A study of the major trends and issues in the Middle East in the modern world. Fall, spring, or summer. Credit, 3 semester hours.
363. **Colloquium in Black History**  
Prerequisite: History 260 or permission of instructor  
Investigation into selected problems in Black History through reading of significant books, discussions, and written reports. Fall. Credit, 1 to 3 semester hours.
365. **History of Africa**  
Major political, economic, social, and cultural developments in Africa with emphasis on sub-Saharan Africa. Fall. Credit, 3 semester hours.

381. Colonial Latin American History  
A survey of the Spanish and Portuguese Empires through the Wars for Independence. Fall. Credit, 3 semester hours.
382. South America Since Independence  
A study of South America from Independence to the present. Spring. Credit, 3 semester hours.
383. Mexico and the Caribbean Since Independence  
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)  
A examination of political institutions and types of governments in selected Latin American countries since independence. Fall or spring. Credit, 3 semester hours.
401. Colloquium on American Indian History (ALS 401)  
Investigations into selected topics in American Indian history through reading of significant books, discussions and supplementary reports. Fall or spring. Credit, 3 semester hours.
404. History of the Old South  
A political, economic and cultural study of this section; the growth of sectionalism; the South and the War of 1812; and the conflict leading up to the outbreak of the Civil War. Fall. Credit, 3 semester hours.
405. History of the New South  
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  
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 (Economics 341)  
Prerequisites: Permission of Instructor  
A thematic study of the economy of the U. S. from colonization through the administration of President Richard Nixon. Spring. Credit, 3 semester hours.
410. U. S. Social and Intellectual History  
The daily life, institutions, intellectual, and artistic achievements of the American people from 1607 to the present. Fall or spring. Credit, 3 semester hours.
411. Problems in Contemporary Civilizations  
A study of current problems of historical, social, and philosophical significance based on research in current literature, with the aim of debating and discussing said problems during class meetings. Fall or spring. Credit, 3 semester hours.
414. History of U. S. Foreign Policy to 1900 (PLS 414)  
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)

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.

416. Early English History

A study of English history from the Celts to the end of the wars of the Roses in 1485, with special emphasis on the development of the English constitution. Fall. Credit, 3 semester hours.

417. English History 1485-1914

A study of the history of England with special emphasis on sources materials relating to the Protestant Reformation and 19th century industrialization. Spring. Credit, 3 semester hours.

419. Modern Russian History

An examination of the major developments in Russian history from 1801 to the present. Fall. Credit, 3 semester hours.

420. History of the German Nation

A study of the development of the German Nation from the earliest times to the present. Fall. Credit, 3 semester hours.

425. World Revolution

An examination of the causes, course, and consequences of the major revolutions from 1789 to the present. Fall. Credit, 3 semester hours.

426. Colloquium in European History

A study of major problems growing out of the early periods of Modern European History, with emphasis on the Renaissance and Reformation as crucial periods in the formation of modern consciousness. Fall. Credit, 3 semester hours.

431. The U. S. and Latin America (PLS 431)

A study of the special relationship between the American Republics in the 19th and 20th centuries, the development of Pan Americanism and the Organization of American States. Fall or spring. Credit, 3 semester hours.

452. Problems in American Foreign Policy and International Relations (PLS 452)

A study of major issues and problems in American foreign policy including tradition and other constant factors for policy making with major emphasis on the post-World War II period. Fall or spring. Credit, 3 semester hours.

455. American Historical Sites Study

Prerequisite: History 207 and 208 or approval by the Department  
A conducted tour of selected sites with emphasis on a particular period of American history such as the Revolutionary War, the Civil War, or Growth of the West. At the conclusion of the tour a paper will be required from all participants seeking credit. Spring, summer. Credit, 2 to 6 semester hours. (Conducted on a P or F basis)

460. History Honors Seminar I  
Prerequisite: History Honors Program Student  
A study of historiography and research methods as well as learning how to write a formal research paper. Fall. Credit, 3 semester hours.
461. History Honors Seminar II  
Prerequisite: History Honors Seminar Student, History 460  
Execution of a lengthy, meaningful research project by each student using mainly primary sources. Spring. Credit, 3 semester hours.
- 470s. Workshop in Minority History  
A two-part workshop consisting of study in American Indian and Afro-American history. Summer. Credit, 4 semester hours.
471. Institute in African and Asian History  
This course is designed to provide inservice teachers with background material and greater insight into the cultures and historical heritage of Africa and Asia. Fall, spring, or summer. Credit, 6 semester hours.
472. Institute in African and Asian History  
This course is designed to provide inservice teachers with background material and greater insight into the cultures and historical heritage of Africa and Asia. Fall, spring, or summer. Credit, 6 semester hours.
481. Internship in History  
Prerequisite: Approval of the Department  
History majors who plan to go into public service will acquire a practical on-the-job experience with cooperation of governmental institutions of federal, state, and local levels and non-governmental organizations. Pre-program readings, reports, and evaluations are required. Fall, spring, summer. Credit, 3 to 9 semester hours.
491. Interdisciplinary Senior Seminar in Modern Civilization (REL 491)  
Prerequisite: By invitation or permission of the instructor.  
A limited number of academically well-qualified and highly motivated seniors in various fields will make an intellectual exercise to integrate their knowledge in various disciplines on a group of significant topics in modern civilization. Fall, spring, summer. Credit, 3 semester hours.
499. Independent Study in History  
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 Head of the Department. Fall, spring, summer. Credit, 1 to 3 semester hours.



**HOME ECONOMICS***Chairman:* ANNIE MERLE W. ELAM

AGNES O. GREENE

DOROTHY URBAN

Two programs for majors are available in the Department of Home Economics: (1) Home Economics Education, and (2) General Home Economics. Home economics education majors may enter the field of teaching in addition to the other areas open to home economists. General home economics majors may enter business and professional careers as well as the career of homemaking. Options are available in clothing services, family services, and food services. Courses are to be chosen after consultation with the department adviser.

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

**Requirements for a Bachelor of Science Degree in Home Economics**

	Sem. Hrs.
Basic Studies (p. 47)*	45
Major Requirements	
Home Economics 111, 112, 301, 303, 310, 321, 401, 422, and twelve additional semester hours of home economics electives	36
Electives	39
Total	120

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

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

	Sem. Hrs.
Basic Studies (p. 47)*	45
Major Requirements	
Home Economics 101, 111, 112, 300, 301, 303, 310, 321, 401, 403, 422, and four additional semester hours of home economics electives	36
Professional Education Requirements	
Education 202, 227, 308, 400, 419, 445, 448	24
Electives	15
Total	120

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

## COURSES

## GENERAL

## 300. Occupational Home Economics

A study of job classifications and competency requirements for home economics related occupations with on-the-job work experience in one of the occupations. Fall, spring. Credit, 3 semester hours.

## 400. 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.

## 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.

## 450. 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.

## 499. Independent Study

Prerequisite: 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

## 302. 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.

## 303. 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: Home Economics 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: Home Economics 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.

**421. Tailoring Techniques**

Prerequisite: Home Economics 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.

**204. Meals for Men**

Elementary principles of nutrition; various aspects of meal planning, marketing, preparation and serving; outdoor cookery; and a limited study of special diets. Open to men only. One lecture, two double laboratory periods weekly. Spring. Credit, 3 semester hours.

**222. Meal Management**

Prerequisite: Home Economics III

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.

301. 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.
404. Food Preservation  
Principles and techniques in preservation of food. Application of the fundamental sciences and recent development in canning, drying, home freezing, and candy making. One lecture, two double laboratory periods weekly. Fall. Credit, 3 semester hours.
405. 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.
406. Diet Therapy  
Prerequisites: Nutrition and Chemistry  
Role of nutrition and diet in the prevention and treatment of disease. Three lectures weekly. 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, 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: Home Economics 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: Home Economics 422

Application of art principles and elements in relation to home furnishing 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

FRANK J. HALL

GILBERT L. SAMPSON

Mathematics is the foundation upon which rests much of our knowledge of physical, biological, and social sciences, and business administration. It has applications in almost every major field of study.

For mathematics majors there are two basic programs, whose requirements are listed below. A department advisor will assist the student in planning his or her program. By careful selection of advanced mathematics courses and electives outside the department, the mathematics major may give emphasis to a particular application of mathematics, statistics, computing, pure mathematics, or general applied mathematics.

For all students, whether or not they are mathematics majors, the department offers several courses and course sequences designed to provide a strong base in the discipline. In their mathematics courses all students can acquire fundamental mathematical skills, ability in deductive and inductive reasoning, and a love for mathematics.

**Requirements for a Bachelor of Science Degree in Mathematics**

	Sem. Hrs.
Basic Studies (p. 47)*	45
Major Requirements	
Mathematics 107 and 108, or Mathematics 109, or equivalent courses in secondary school; also 221, 222, 315, 316, 325, 431, and nine additional semester hours of advanced mathematics	30-36
Electives	39-45
<b>Total</b>	<hr/> 120

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

**Requirements for a Bachelor of Science Degree in Mathematics with Certification by the State to Teach Mathematics at the Secondary Level**

	Sem. Hrs.
Basic Studies (p. 47)*	45
Major Requirements	
Mathematics 107 and 108, or Mathematics 109, or equivalent courses in secondary school; also 221, 222,	

315, 316, 325, 411, 431, and six additional semester hours of advanced mathematics	30-36
Professional Education Requirements	
Education 202, 227, 308, 400, 419, 445, 448	24
Electives	15-21
	<hr/>
Total	120

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

## COURSES

### 101-102. Mathematics for Elementary School Teachers

Prerequisite for Mathematics 102: Mathematics 101

This is a basic general concept course dealing with mathematics taught in the elementary schools such as sets, operations on sets and the development of the number system. 101 is required for K-3, 4-9 and Special Education majors. 102 is required for 4-9. Fall, spring. Credit, 3 semester hours each.

### 103s. The Metric System (Business 103s)

A treatment of the metric system and applications. Emphasis is upon working within the metric system rather than upon conversion factors with respect to the English System. Summer. Credit, 1 semester hour.

### 105. Introduction to College Mathematics

Fundamental principles of mathematics including a study of elementary set theory and mathematical logic. Fall, spring. Credit, 3 semester hours.

### 107. College Algebra

A study of numbers, sets, and functions, the real number system, quadratic equations, inequalities, systems of linear equations, matrices and determinants, the binomial theorem, exponents and logarithms, theory of equations, permutations and combinations. Fall, spring. Credit, 3 semester hours.

### 108. Plane Trigonometry

Prerequisites: Plane Geometry; Mathematics 107

A course including indirect measurement, solution of right triangles, functions of any angle, solution of oblique triangles, fundamental trigonometric relations, circular functions, solving triangles by use of logarithms, and complex numbers. Spring. Credit, 3 semester hours.

### 109. College Algebra and Trigonometry

Real and complex numbers, inequalities, functions and their graphs, polynomials and rational functions; exponential, logarithmic and trigonometric functions. Fall. Credit, 3 semester hours.

### 118. Finite Mathematics

Prerequisite: Mathematics 107 or equivalent

Set theory, symbolic logic, partitions, permutations, combinations, probability, and matrices. Fall, spring. Credit, 3 semester hours.

**205. Introduction to Statistics**

Prerequisite: Mathematics 107 or equivalent

Elementary probability and statistics; measures of central tendency and variability, the binomial and 't' distributions. Testing hypotheses, chi-square and linear regression. Spring. Credit, 3 semester hours.

**210. Introduction to Computers**

Prerequisite: Mathematics 107 or equivalent

A basic computer course with emphasis on problem solving with computers. A high level programming language is studied and applied to the problems. The problems will be diversified in both techniques required, and in applications. Fall. Credit, 3 semester hours.

**220. Point Set Theory**

Prerequisite: Mathematics 108 or Mathematics 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. Fall. Credit, 3 semester hours.

**221. Calculus I**

Prerequisite: Mathematics 108 or Mathematics 109 or equivalent

The treatment of topics from algebra and analytic geometry, functions, limits. The derivative, applications of the derivative. Fall, spring. Credit, 4 semester hours.

**222. Calculus II**

Prerequisite: Mathematics 221

A study of integrals, the fundamental theorem of the calculus, the definite integral, exponential and logarithmic functions, trigonometric and inverse trigonometric functions, formal integration, applications of the calculus. Fall, spring. Credit, 4 semester hours.

**315. Linear Algebra**

Prerequisite: Mathematics 222

An introduction to the theory of vector spaces, linear transformations, systems of linear equations, matrices, determinants. Applications to differential equations. Fall, spring. Credit, 3 semester hours.

**316. Intermediate Calculus**

Prerequisite: Mathematics 222

Multiple variable calculus. Vector functions, limits and continuity, line integrals, partial derivatives, gradient, the differential, chain rule, vector field theory, Green's theorem, conservative fields. Fall, spring. Credit, 4 semester hours.

**322. Differential Equations**

Prerequisite: Mathematics 315

Solution of elementary differential equations with geometric and physical applications. Spring. Credit, 3 semester hours.

**325. Algebra I**

Prerequisite: Mathematics 315

Introduction to number theory, groups, integral domains, rings, and fields. Fall. Credit, 3 semester hours.



**326. Algebra II**

Prerequisite: Mathematics 325

Further topics in group theory—the Sylow theorems. Extension fields, Galois theory, the insolvability of the quintic. Spring. Credit, 3 semester hours.

**327. Numerical Analysis**

Prerequisite: Mathematics 315

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

**328. Probability**

Prerequisite: Mathematics 315

Probability space, random variables, discrete and continuous distribution functions, characteristic functions. Binomial, Poisson and normal distributions, central limit theorems. Fall. Credit, 3 semester hours.

**329. Applied Mathematics**

Prerequisite: Mathematics 315

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

**330. Mathematical Statistics**

Prerequisite: Mathematics 328

An introduction to common theoretical distributions, moments, moment generating functions, sampling distributions (F, t, chi-square), elementary estimation, hypothesis testing, decision theory, general linear model theory, and applications. Spring. Credit, 3 semester hours.

**411. College Geometry**

Prerequisite or corequisite: Mathematics 315

A study of the development of Euclidean geometry from the metric and synthetic approach and an introduction to non-Euclidean geometry. Fall. Credit, 3 semester hours.

**415. Theory of Numbers**

Prerequisite: Mathematics 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. Spring. Credit, 3 semester hours.

**420. Mathematical Logic**

Prerequisite: Mathematics 325 or Mathematics 411

The propositional calculus with an introduction to axiom systems for the propositional calculus. Quantification theory, models for first order theories and the completeness theorem. As announced. Credit, 3 semester hours.

**423. Advanced Linear Algebra**

Prerequisite: Mathematics 315

Advanced topics in Linear Algebra. As announced. Credit, 3 semester hours.

## 431. Advanced Calculus I

Prerequisite: Mathematics 315

Elementary set theory and point-set topology, continuity and limits of multivariable functions, multiple and iterated integrals, series. Fall. Credit, 3 semester hours.

## 432. Advanced Calculus II

Prerequisite: Mathematics 431

Differentials, implicit function theorem, surfaces, differential forms, the theorems of Green, Gauss and Stokes. Spring. Credit, 3 semester hours.

## 442. Real Analysis

Prerequisite: Mathematics 431

Real number system. Semi-continuity. Borel sets, Baire classification of functions. Lebesgue measure and integration,  $L_p$  spaces, Hilbert spaces. As announced. Credit, 3 semester hours.

## 444. Complex Analysis

Prerequisite: Mathematics 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.

## 446. Topology

Prerequisite: Mathematics 431

Elements of point-set topology, separation properties, compactness, connectedness, Tychonoff 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.

## MUSIC

*Chairman:* HAROLD C. SLAGLE

WILLIAM F. FRITZ  
DORIS B. JOHNSON  
FRANCIS L. PFEIFER

ELMA L. RANSOM  
ROBERT L. ROMINE  
GEORGE R. WALTER

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 General Music (Vocal), or an emphasis in Instrumental Music.

**Requirements for a Bachelor of Arts in Music:**

	Sem. Hrs.
Basic Studies Requirements (p. 47)*	45
Major Requirements:	
Music 114, 115, 159, 160, 159, 160, 100 or 141, 101 or 142, 214, 215, 259, 260, 259, 260, 200 or 241, 201 or 242, 332, 337, 338, 327 or 328, 359, 360, 359, 360, 300 or 341, 301 or 342, 430, 432, 459, 460, 459, 460, 401 or 441, and 404.	60
Electives	15
<b>Total</b>	<b>120</b>

\* 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:**

	Sem. Hrs.
Basic Studies Requirements (p. 47)*	45
Major Requirements:	
Music 114, 115, 191 or 159, 181 or 159, 100, 192 or 160, 182 or 160, 101, 214, 215, 205, 206, 259, 260, 281 or 259, 282 or 260, 200, 201, 271, 171, 359, 360, 327, 328, 337, 338, 405, 300, 301, 430, 334, 401, 404 and 459.	54
Professional Education Requirements:	
Education 202, 227, 308, 419, 445, 448; and Music 400	24
Electives	0
<b>Total</b>	<b>123</b>

\* 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:**

	Sem. Hrs.
Basic Studies Requirements (p. 47)*	45
Major Requirements: 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.	54
Professional Education Requirements: Education 202, 227, 308, 419, 445, 448; and Music 400	24
Electives	0
<b>Total</b>	<hr style="width: 100%; border: 0.5px solid black;"/> 123

\* Students who plan a major in Music or Music Education should consult with the department chairman prior to registering for Basic Study courses.

## COURSES

### THEORY AND GENERAL MUSIC

#### 114, 115. Theory I and II: Beginning Harmony

A course designed to acquaint students beginning their study of music with the fundamentals of music including ear training, sight singing, and keyboard harmony. Fall, spring. Credit, 3 hours each semester.

#### 214, 215. Theory III and IV: Advanced Harmony

Prerequisite: Theory I-II

A course designed to teach music majors the harmonic techniques of composers of the seventeenth to twentieth centuries through the study of functional diatonic and chromatic harmony. Fall, spring. Credit, 3 hours each semester.

#### 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 or 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: Theory I & 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, choral 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: 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: Theory IV

A practical study of the fundamentals of scoring for individual instruments and ensembles. Spring. Credit, 2 semester hours.

**337, 338. History of Music I and II**

A study of the development of music in Western Civilization beginning with the music of Ancient Greece and continuing through the twentieth century. Fall, spring. Credit, 3 hours each semester.

**390. Church Music**

Materials and methods in the direction of church choirs which include a study of the role of the music director in the church. Fall. Credit, 3 semester hours.

**404. Senior Recital**

Offered to senior music majors participating in a public recital. Credit is given by permission of the instructor and department chairman. Fall or spring. Credit, 0-2 semester hours.

**425. Piano Pedagogy**

A course designed primarily for those students in the BA program who are planning to teach privately. The course includes methods of teaching, appropriate materials, and advanced techniques for all grade levels. Fall or spring. Credit, 2 semester hours.

**426. Practicum in Piano Teaching**

Prerequisite: Music 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 or spring. Credit, 1-4 semester hours.

**430. Music Literature**

Prerequisites: Music 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: 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**

Prerequisites: Theory III, 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: Music 259 (Organ) or the equivalent

A study of the musical liturgy of the Catholic, Jewish, and Protestant services. Students should be free for Sunday morning church visitations. Spring. Credit, 1 semester hours.

**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 students. 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. At the discretion of the applied music instructors, music majors must participate in student music recitals.

159, 160; 259, 260; 359, 360; 459, 460. Applied Music (Courses must follow in sequence)

- |                       |                           |
|-----------------------|---------------------------|
| 01. Private Voice     | 10. Private French Horn   |
| 02. Private Piano     | 11. Private Trombone      |
| 03. Private Organ     | 12. Private Baritone Horn |
| 04. Private Flute     | 13. Private Tuba          |
| 05. Private Oboe      | 14. Private Percussion    |
| 06. Private Clarinet  | 15. Private Violin        |
| 07. Private Bassoon   | 16. Private Viola         |
| 08. Private Saxophone | 17. Private Violoncello   |
| 09. Private Trumpet   | 18. Private Bass Viol     |

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 weekly. Credit, 1 or 2 semester hours.

Non-keyboard music education majors will fulfill their course requirements in piano by enrolling in Music 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 Applied Music 260. 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.

#### 171. Class Woodwind

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

#### 172. Class Brass

A concentrated study in fundamentals and playing techniques for Trumpet, Cornet, French Horn, Trombone, Baritone Horn, and Tuba. Fall. Credit, 1 semester hour.

#### 181, 182. Class Piano I and II

A concentrated group study of fundamentals 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: Music 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 fundamentals and singing techniques for vocal development. 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 concerts throughout the year. 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. A study of vocal music trends through the rehearsal 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. A study of technical, stylistic and aesthetic elements of jazz literature through rehearsal and public performance. 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 or spring. Credit, 3 semester hours.

**224. Musical Experiences for Young Children**

Restriction: Not open to music majors

Prerequisite: Music 209 or by advanced placement

A course designed to present methods and media of teaching classroom music, K-3. Fall or 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 or 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 or spring. Credit, 3 semester hours.
405. Music Education Grades K Through Nine (K 9)  
A study of organization and procedures used in general music classes for the elementary and junior high schools. Fall or spring. Credit, 3 semester hours.
420. Public School Instrumental Music  
A study of materials and methods used in building instrumental programs beginning in the elementary school and continuing through high school. Fall. Credit, 3 semester hours.

## PHILOSOPHY AND RELIGION

*Chairman:* ROBERT K. GUSTASON

THOMAS H. GUERRY  
I. RUTH MARTIN

P. ALBERT STUDDARD

Philosophy and Religion have long been considered integral parts of the liberal arts program. The courses presented here are planned to give the inquiring student an introduction to these broadening disciplines, the means whereby the significance of various disciplines can be interpreted, and a way of viewing, understanding and resolving some of the conflicts and issues in modern culture. These courses prepare the student to take an active part in his community activities or in planning for graduate study.

A combined major in Philosophy and Religion of thirty-three hours is offered. There are two alternate concentrations.

Students interested in majoring in Philosophy and Religion should discuss their interests with the Chairman of 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

	Sem. Hrs.
Basic Studies Requirement (p. 47)	45
A major in Philosophy and Religion requires 33 credit hours taken in the Department.	
A. The student is offered a choice of a concentration in either:	
1. Philosophy or	
2. Religion	
B. Hours in the areas of concentration can range from 21-27 in the area of the primary emphasis, and from 6-12 hours in the secondary emphasis. The number of credit hours must total 33.	

Consultation with your advisor will help determine the proper ratio. Examples:

<i>Philosophy Emphasis</i>			
Philosophy	21	24	27
Religion	12	9	6
	33	33	33

<i>Religion Emphasis</i>			
Religion	21	24	27
Philosophy	12	9	6
	<u>33</u>	<u>33</u>	<u>33</u>
Electives			42
		<b>Total</b>	<u>120</u>

## COURSES

### I. PHILOSOPHY

#### GENERAL

#### 100. Introduction to Philosophy

Designed to give an introduction to the nature and scope of questions arising in the ever changing areas of life through an introduction to the problems and types of philosophy men live by. Fall, spring, summer. Credit, 3 semester hours.

#### 102. Perspectives of Man (Religion 102)

A study of the dominant understandings of man. Philosophical, religious, scientific, and literary sources are read and discussed. Fall or spring. Credit, 3 semester hours.

#### HISTORY

#### 312. Ancient and Medieval Philosophy

A study of the development of western philosophy in terms of major thinkers and movements from the pre-socratic Greeks through medieval scholasticism. Alternate fall semesters. Credit, 3 semester hours.

#### 313. Modern Philosophy

A study of the development of western philosophy in terms of major thinkers and movements from late medieval thought through the mid-nineteenth century. Alternate fall semesters. Credit, 3 semester hours.

#### 314. Contemporary Philosophy

A study of selected movements in contemporary philosophy, such as pragmatism, linguistic analysis, existentialism and phenomenology. Alternate fall semesters. Credit, 3 semester hours.

#### LOGIC

#### 101. Introduction to Logic

A study of the principles and basic patterns of correct thinking. Fall, spring. Credit, 3 semester hours.

#### PHILOSOPHY AND CULTURE

#### 202. Philosophy and Religion

An inquiry into the philosophical foundations of religion, the prob-

lems connected with belief and knowledge, faith and reason, the character and meanings of religious commitment. Spring, Credit, 3 semester hours.

204. **Introduction to Ethics**  
An attempt to answer the question: What is the good life? Emphasis is placed on methods of approaching the problems raised as they involve the individual and society. 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. Fall. Credit, 3 semester hours.
321. **Philosophy of Science**  
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 fall semesters. Credit, 3 semester hours.
323. **Aesthetics**  
A study of aesthetic values in nature, art, literature, music, and architecture. Alternate spring semester. Credit, 3 semester hours.
491. **Interdisciplinary Senior Seminar in Modern Civilization (History 491 & Religion 491) (Elective)**  
A seminar for seniors in which the knowledge in various disciplines will be organized around a group of significant topics. Fall, spring, summer. Credit, 3 semester hours.

## **METAPHYSICS AND EPISTEMOLOGY**

400. **Metaphysics**  
A study of the classical attempts to answer the most basic questions about the nature of reality. Alternate spring semesters. Credit, 3 semester hours.
401. **Epistemology**  
A study of philosophical problems concerning knowledge and belief. Sample topics: Perception, certainty, memory, self-knowledge. Alternate spring semesters. Credit, 3 semester hours.

## **SPECIAL STUDIES IN PHILOSOPHY**

420. **Seminar or Colloquium in Philosophy**  
An examination of selected philosophers, philosophical movements, problems or major ideas to be selected each term the course is presented. The course may be repeated for credit as long as there is not duplication of subject matter. Fall, spring, summer. Credit, 3 semester hours.
499. **Independent Study in Philosophy**  
Offered to senior Philosophy and Religion majors in good standing following approval of the Department Chairman. Any member of the Department may supervise a student engaged in Independent Study. A proposal for the study is submitted to the Chairman and the Office

for Academic Affairs; one copy of the completed project is filed in the Office for Academic Affairs; another is catalogued in Mary Livermore Library. Credit, 1-3 semester hours. Fall, spring, summer.

## II. RELIGION

### GENERAL

**101. Perspectives of Man (Philosophy 102)**

A study of the dominant understandings of man. Philosophical, religious, scientific, and literary sources are read and discussed. Spring. Credit, 3 semester hours.

**130. Introduction to Religion**

An introduction to the methods and theories appropriate to the study of religion, and an analysis of definitions and functions of religions in society. Fall or 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 missions, his style and subject matter. Spring. 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.

**313. Literature of Man's Origins**

A study of man's early religious literature found in the Bible and other sources. Alternate spring semesters. 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 semesters. 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 semesters. Credit, 3 semester hours.

**ARCHAEOLOGY AND GEOGRAPHY****220. Archaeology of the Ancient World**

A study of the civilization and culture in the Fertile Crescent from Sumer through Babylon in the Persian Empire. Alternate fall semesters. Credit, 3 semester hours.

**221. Archaeology of the Classical World**

A study of the civilization and culture in the Mediterranean area through the Greek, Hellenistic, and Roman periods. Alternate spring semesters. Credit, 3 semester hours.

**323. Cultural and Historical Geography of Bible Lands**

An introductory study of the environment of man in Biblical times, with emphasis on the geographic factors as they related to economic, political, and cultural problems. Alternate fall semesters. Credit, 3 semester hours.

**RELIGIOUS HISTORY AND THOUGHT****209. Religion in American Life**

A study of religious thought and groups in the United States, with emphasis on the relationship of religion to American society. Spring. Credit, 3 semester hours.

**338. History and Development of Christian Thought (History 338)**

A study of selected men, movements, and ideas that have contributed to the development of Christianity after Paul to the 20th century. Alternate fall or spring semesters. Credit, 3 semester hours.

**RELIGION AND CULTURE****214. Religion and Society**

A study of the ethical teachings of Christianity as they relate to problems raised in contemporary society. Alternate fall semesters. Credit, 3 semester hours.

**310. Sects, Cults, and Religious Movements in America (Sociology 310)**

A study of the origins, growth, beliefs and practices of sects, cults, and religious movements in America. Fall or spring semester. Credit, 3 semester hours.

**404. Psychology of Religion**

A study of the many psychological aspects of religion and their meanings for personality development, and an examination of the religious consciousness in relation to such topics as mysticism, conversion, belief, and myth interpretation, conducted in the light of contributions from depth psychology, cultural anthropology, and theology. Alternate spring semesters. Credit, 3 semester hours.

**417. Sociology of Religion (Sociology 417)**

Religious institutions and relationships in modern society. Fall or spring. Credit, 3 semester hours.

**491. Interdisciplinary Senior Seminar in Modern Civilization  
(History 491 and Philosophy 491) (Elective)**

A seminar for seniors in which the knowledge in various disciplines will be organized around a group of significant topics. Fall, spring, summer. Credit, 3 semester hours.

### **COMPARATIVE RELIGIONS**

**213. American Indian Traditions (American Indian Studies  
213)**

A study of the development of the religious beliefs and practices of American Indians. Alternate spring semesters. Credit, 3 semester hours.

**216. Religions of the Far East**

A study of the historical development and teaching 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.

**430. World Religions Seminar (Geography 430)**

A study of the religions of the world by visiting cathedrals and synagogues of Europe, mosques and temples of the Mediterranean area, and ancient places of worship in the Fertile Crescent by means of a university supervised tour of these areas and a seminar, including predeparture orientation, en route lectures, and a formal resumé. TBA. Credit, 3 semester hours.

### **SPECIAL STUDIES IN RELIGION**

**420. Special Studies in Religion**

A study of selected religious problems, themes, issues or topics to be selected each term the course is presented. Possible course topics are: Religion in the South, Issues in Religion and Science, Religious and Philosophical Ideas in Literature. Fall, spring, summer. Credit, 3 semester hours.

**499. Independent Study**

Offered to senior Philosophy and Religion majors in good standing following approval of the Department Chairman. Any member of the Department may supervise a student engaged in Independent Study. A proposal for the study is submitted to the Chairman and the Office for Academic Affairs; one copy of the completed project is filed in the Office for Academic Affairs; another is catalogued in Mary Livermore Library. Credit, 1-3 semester hours. Fall, spring, summer.

**PHYSICAL SCIENCE***Chairman:* JOHN S. WALLINGFORD

GERALD C. BORLAND  
 JOSÉ J. D'ARRUDA  
 ERNEST L. MADSEN

ANDREW RANSOM  
 HAROLD J. TEAGUE

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, Geology 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. 47)*	45
Major Requirements	
Chemistry 100, 101; 200, 201; 300, 301; 410	28
Elective in Chemistry (above 299)	3
Physics 100, 101 or 200, 201	6
Mathematics 107, 108 or equivalent; 221, 222	8-14
Electives	24-30
<b>Total</b>	<b>120</b>

\* 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 Certification by the State to Teach Chemistry at the Secondary Level**

	Sem. Hrs.
Basic Studies (p. 47)*	45
Major Requirements	
Chemistry 100, 101; 200, 201; 300, 301; 410	28



Elective in Chemistry (above 299)	3
Physics 100, 101 or 200, 201	6
Mathematics 107, 108 or equivalent; 221, 222	8-14
Professional Education Requirements	
Education 200, 227, 308, 400, 419, 445, 448	24
Electives	0-6
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

- 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 lab included. Fall, spring. Credit, 4 semester hours.
- 107. Photography (Art 107)**  
Photography is both an aid to scientific and technical achievement and a means for artistic expression. The course includes both "how to do it" and "why it works." A lab is included. Fall, spring. Credit, 3 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, 1 semester hour.

### CHEMISTRY

- 100, 101. General Chemistry**  
Prerequisites: None for 100, 100 for 101.  
A study of elements, molecules, and atoms, their relationships to the environment and society. A lab is included. Fall, spring. Credit, 4 semester hours each.

107. **History of Chemistry**  
Introduction to historical aspects of chemistry, with some scientific theories being examined in detail. As Announced. Credit, 3 semester hours.
200. **Qualitative Analysis**  
Prerequisite: Chemistry 101  
The principles and techniques required in qualitative separation and identification of inorganic cations and anions. A lab is included. Fall. Credit, 4 semester hours.
201. **Quantitative Analysis**  
Prerequisite: Chemistry 200  
The principles of gravimetric and volumetric analysis. Correct laboratory procedures stressed. A lab is included. Spring. Credit, 4 semester hours.
- 300, 301. **Organic Chemistry**  
Prerequisite: Chemistry 101  
The aliphatic and aromatic carbon compounds with special emphasis on structure, major reactions and reaction mechanisms. A lab is included. Fall. Credit, 4 semester hours each.
310. **Biochemical Structure and Mechanism**  
Prerequisite: Chemistry 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: Chemistry 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 Chemistry 311  
A student laboratory which deals with the experimental methods used in biochemistry. As announced. Credit, 1 semester hour.
- 410, 411. **Physical Chemistry**  
Prerequisites: Two years chemistry, mathematics through calculus, and consent of the instructor.  
A theoretical and mathematical treatment of the fundamental laws and theories underlying the science of chemistry. A lab is included. Alternate fall semesters. Credit, 4 semester hours each.
416. **Polymer Chemistry**  
Prerequisite: Chemistry 301  
Principle types of polymers; current methods for carrying out polymerization; co-, block-, and graft-polymers; crosslinking of macromolecular chains; physical properties versus space structure of polymer molecules; polymers of the future. As announced. Credit, 3 semester hours.
418. **Colloid Chemistry**  
Prerequisite: Chemistry 301  
Classes of dispersions, classifications of colloids, principles involved

in the formation of colloids, stabilities of colloidal systems, properties of colloidal dispersions, giant molecules, precipitations of colloids, some colloidal systems within the human body. As announced. Credit, 3 semester hours.

**499. Independent Study in Chemistry**

Prerequisite: Consent of Department Head

Individual research in advanced areas of Chemistry. Offered for Chemistry majors only. Fall and spring. Credit, 1 to 3 semester hours.

## **GEOLOGY**

**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 lab is optional. Fall, spring. Credit, 3 semester hours.

**100L. Introduction to Physical Geology Lab.**

Prerequisite: Current enrollment in or completion of Geology 100. A lab which complements study of rocks, minerals, and topographic maps. As announced. Credit, 1 semester hour.

**101. Introduction to Earth History**

A previous course in physical geology is helpful, but is not required. An introduction to the history of the earth from its formation up to the present time, geologic time, fossils, development and evolution of plants and animals. The lab is optional. Spring. Credit, 3 semester hours.

**101L. Introduction to Earth History Lab.**

Prerequisite: Current enrollment in or completion of Geology 101

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

**115. 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 lab is optional. As announced. Credit, 3 semester hours.

**115L. Introduction to Earth Science Lab.**

Prerequisite: Current enrollment in or completion of Geology 115.

A lab for the study of earth heating processes, time zones, topographic maps, and a few of the common rocks and minerals. As announced. Credit, 1 semester hour.

**136. Introduction to Physical Oceanography**

An elementary course in ocean circulation, the properties of ocean water, waves and tides, processes of erosion and deposition along shores. The relationship between ocean processes and how these processes affect mankind is emphasized. As announced. Credit 3 semester hours.

**156. 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, summer. Credit, 3 semester hours.

- 236. 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.
- 246. Climatology (Geography 246)**  
The same course as Geography 246. Credit, 3 semester hours.
- 366. Geomorphology**  
Prerequisite: Geology 101  
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.

## PHYSICS

- 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 Phy 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.
- 116. Introductory Applied Physics**  
A concise simplified physics course. Forces, heat, light, electricity, magnetism, machines in important everyday use, heating, cooling, lighting, appliances. As announced. Credit, 2 semester hours.
- 200, 201. Physics**  
Prerequisites: Math 221 for 200, Physics 200 for 201  
A more thorough treatment of the subject than the elementary sequence offers. As announced. Credit, 3 semester hours each.
- 206, 207. Physics Laboratory**  
Prerequisites: For 206, enrollment in, or completion of Physics 100 or 200. For 207, enrollment in, or completion of Physics 101 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: Physics 101 or 201. Calculus is recommended.  
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.

### 225. Electronics

Prerequisite: Physics 101 or 201. Calculus is recommended

The limitations of electronics are not known. Surely this is truly an "electronic age." This course investigates what single electronic components do, how they are put together to accomplish objectives and some troubleshooting of malfunctioning devices. Experimentation comprises 40% of the course. As announced. Credit, 4 semester hours.

### 256. Modern Physics

Prerequisite: Physics 101 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.

### 256L. Modern Physics Laboratory

Prerequisite: Enrollment in, or completion of Physics 256

A student laboratory to complement and reinforce the concepts discussed in the modern physics course. As announced Credit, 1 semester hour.

### 306. Statics

Prerequisites: Physics 101 or 201, Math 222

Forces and their effects. Machines and structures, the forces on them. Properties of materials, and the effect of application of forces to them. As announced. Credit, 3 semester hours.

### 307. Mechanics

Prerequisites: Physics 101 or 201, Math 222

Behavior of things and techniques for determining it. Lagrange's and Hamilton's formulations of mechanics. As announced. Credit, 3 semester hours.

### 320, 321. Electricity and Magnetism

Prerequisites: Physics 101 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.

### 320L, 321L. Electricity and Magnetism Lab

Prerequisites: Enrollment in or completion of Phys. 320, 321

A study laboratory to complement and reinforce the concepts discussed in the lecture course. As announced. Credit, 1 semester hour each.

### 326. Heat and Temperature

Prerequisites: Physics 100 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 Stoke's

theorems. Vector spaces, linear independence, orthogonality, hermitian 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.

#### 400, 401. Quantum Mechanics

Prerequisites: Physics 101 or 201 and a working knowledge of calculus for 400, 400 for 401

The reasons requiring formulation of a quantum theory. Its formulation as a wave equation (Schroedinger) and several solutions of that equation including the hydrogen atom. Uncertainty and complementarity and some of the current controversy over interpretations of the theory. As announced. Credit, 3 semester hours each.

#### 410, 411. Theory of Relativity

Prerequisites: Physics 101 or 201, Math 221 for 410, 410 and Math 222 for 411

Events leading to the formulation of the special theory. The theory, its consequences, and some of its apparent "paradoxes." History of the general theory. The theory, some of its results, and difficulties. As announced. Credit, 3 semester hours each.

#### 446. Statistical Mechanics

Prerequisite: Physics 326

Kinetic theory and statistical interpretation of the laws of thermodynamics. The power of statistics to predict, unbelievably accurately, the overall behavior of a large number of things although almost nothing is known of the behavior of each. As announced. Credit, 3 semester hours.

#### 448. Special Topics

Prerequisites: Physics 101 or 201, Math 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 CHO

MIN-CHUAN KU

MARC A. TRIEBWASSER

GIBSON GRAY

BARRY SHAPIRO

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. 47)*	45
Major Requirements	
Political Science 100, 101, 333 or 363 and twenty-one additional hours of political science	30
Electives	45
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 with Certification by the State to Teach Social Studies in the Public Schools**

	Sem. Hrs.
Basic Studies (p. 47)*	45
Major Requirements	
Political Science 100, 101, 333 or 363, and twenty-one additional semester hours of political science. Twelve hours from the areas of Economics, Geography, History, and Sociology.	42
Professional Education Requirements	
Education 202, 227, 308, 400, 419, 445, 448	24
Electives	9
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. 47)*	45
Major Requirements	
Political Science 100, 101, 333 or 363, 201, 210, 220, 310, and nine hours	30
Suggested:	
Communicative Arts 101, 225, 277	
History 107, 108	15
Other Electives	35
<b>Total</b>	<hr/> 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. 47)*	45
Major Requirements	
Political Science 100, 101, 333 or 363, 201, 205, 210, 302, 320, 360, 361	30
Suggested:	
Business Administration 227, 228	
Economics 201, 202	12
Other Electives	38
<b>Total</b>	<hr/> 120

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

## COURSES

### 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. 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: Political Science 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 or psychoanalytic theory. Fall or spring. Credit, 3 semester hours.

**324. Workshop in Political Psychology**

Prerequisite: PLS 100, 101, or PSY 201

An experimental consideration of basic concepts like power, freedom, responsibility, and equality. Meaningful personal understanding of these concepts will be sought through the use of simulation techniques and role-playing. Fall or spring. Credit, 3 semester hours.

**333. Introduction to Political Science Theory and Methodology**

Prerequisite: Political Science 100 or 101

An overview of political and social science theories and methodologies, both normative and behavioral; including such areas of interests as: traditional political philosophy, behavioralism, functionalism, analytic political philosophy, psychologically-based political theory, extensionalism, value judgments in political theory and political research, and current prospects for new directions in political science. Fall. Credit, 3 semester hours.

**363. Quantitative Methods in Political Science**

Prerequisite Political Science 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: Political Science 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 Head prior to registration. Fall or Spring. Credit, 1-3 semester hours.
399. Directed Research in Political Science II  
Prerequisite: Political Science 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 Head 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 Head of Department. Fall or Spring. Credit, 1-3 semester hours.

**AMERICAN GOVERNMENT AND POLITICS**

201. American State and Local Government  
Prerequisite: Political Science 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: Political Science 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.
280. Intergovernmental Relations in the United States  
Prerequisite: Political Science 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: Political Science 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: Political Science 100 or 101  
A study of public opinion and lobbying. Spring or Fall. Credit, 3 semester hours.
- 310. Constitutional Law**  
Prerequisite: Political Science 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.
- 315. Politics of Minority Groups**  
Prerequisite: Political Science 100 or 101  
A study of the styles of political behavior of groups which have been discriminated against in the U. S. 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.
- 401. Problems in American Government**  
Prerequisite: Political Science 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.
- 402. Seminar in American Government**  
Prerequisite: Political Science 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**

- 210. Principles of Public Administration**  
Prerequisite: Political Science 100 or 101  
A 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: Political Science 100 or 101  
A study of American municipal government in its setting and development, power and politics, management processes, administration of services, social and economic problems, planning, fiscal problems and practices, intergovernmental relations, and emerging trends. Fall or spring. Credit, 3 semester hours.

**320. Comparative Public Administration**

Prerequisite: Political Science 100 or 101

Examination and analysis of the administrative systems of foreign governments of selected Western and non-Western countries; attention to practices applicable to administration in the United States. Fall or spring. Credit, 3 semester hours.

**360. Introductory Internship in Public Administration**

Prerequisite: Political Science 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: Political Science 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****220. Comparative Government**

Prerequisite: Political Science 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.

**230. Soviet Government**

Prerequisite: Political Science 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.

**240. Governments and Politics in the Far East**

Prerequisite: Political Science 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.

**384. History of Latin American Political Institutions  
(History 384)**

Prerequisite: Political Science 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**

**250. International Organization**

Prerequisite: Political Science 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, the OAS, the SEATO, etc. Fall or spring. Credit, 3 semester hours.

**260. International Politics and Relations**

Prerequisite: Political Science 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.

**270. International Relations in the Far East**

Prerequisite: Political Science 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.

**330. International Law**

Prerequisite: Political Science 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: Political Science 100 or 101

A study of (1) aggression neutrality, blockade and treatment of prisoners of war (2) War in general (3) Warfare and 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 (8) Renunciation of war. Fall or spring. Credit, 3 semester hours.

345. The U. S. and the Far East (History 345)

Prerequisite: Political Science 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 (History 346s)

It is designed to provide 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.

414. History of U. S. Foreign Policy to 1900 (History 414)

Prerequisite: Political Science 100 to 101

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

315. History of U. S. Foreign Policy in the 20th Century (History 415)

Prerequisite: Political Science 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.

452. Problems in American Foreign Policy (History 452)

Prerequisite: Political Science 100 or 101

A study of major issues and problems in American foreign policy including tradition and other constant factors for 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  
 JAMES F. HUBBARD

PAUL W. KILLIAN  
 DENNIS O'BRIEN

The Courses in the Psychology Department are planned: (1) to impart an understanding of the basic principles and methods of psychology as a science, (2) to prepare majors for graduate study and (3) to help others prepare for careers in mental health. Students who desire to develop a speciality concentration in psychology should see the Department Chairman for details.

**AUXILIARY DEPARTMENT FACILITIES**

A small experimental laboratory is available to students either taking courses requiring its use or interested in pursuing independent research activities. In addition, calculators are available for course work and student use.

**Requirements for a Bachelor of Science Degree in Psychology**

	Sem. Hrs.
Basic Studies (p. 47)	45
Major Requirements	
Psychology 101, 209, 210 and 22 additional semester hours of psychology and psycho- logically oriented course work*	33
Electives	42
<b>Total</b>	<b>120</b>

\* Psychology majors who wish to use a psychologically oriented course in meeting the requirements for a major in psychology must obtain written approval of the Chairman of the Psychology Department prior to enrolling in the course.

**COURSES****BASIC PROCESSES & THEORETICAL****101. Introductory Psychology**

A systematic survey of the areas of psychology. Fall, Spring, and Summer. Credit, 3 semester hours.

**213. Cognitive Processes**

Prerequisite: Psychology 101

An overview of psychological research and theory in the traditional areas of verbal learning as well as thinking, problem solving, and concept formation. Spring. Credit, 3 semester hours.

304. **History and Systems of Psychology**  
Prerequisite: Psychology 101  
A study of the major psychological concepts in ancient and modern thinking. Spring alternate years.\*\* Credit, 3 semester hours.
305. **Psychology of Learning: The Modification of Behavior**  
Prerequisite: Psychology 209 & 210  
Advanced level course emphasizing current problems which are being attacked from an experimental, theoretical, and applied standpoint. Fall. Credit, 3 semester hours.
307. **Animal Behavior**  
Prerequisite: Psychology 101  
The principles of behavioral organization, exploration, aggression, the role of early experience, and communication. Fall alternate years\*\*. Credit, 3 semester hours.
309. **Seminar on Psycholinguistics: Psychology of Language**  
Current theories and research involving the acquisition and usage of language, psychology of word meaning, and other related topics. Fall alternate years. \*\*Credit, 3 semester hours.
310. **Psychology of Aesthetics**  
A study of theories of aesthetics, the development of artistic tastes, and the psychology of preferences. The course draws upon material from literature, painting, sculpture, music and drama. Spring alternate years.\*\* Credit, 3 semester hours.
401. **Physiological Psychology**  
A study of those aspects of physiology most relevant to psychological investigation. Fall alternate years.\*\* Credit, 3 semester hours.
402. **Perception and Sensation**  
Prerequisite: Psychology 101  
A study of sensation processes and perceptual phenomena. Fall alternate years.\*\* Credit, 3 semester hours.

## METHODS

209. **Research Design and Analysis I**  
An introduction to elementary research design and statistical procedures used to analyze research data. Three lectures and one lab weekly. Fall. Credit, 4 semester hours.
210. **Research Design and Analysis II**  
Prerequisite: Psychology 209  
A continuation of Psychology 209. Included will be more advanced design and statistics. Emphasis will be placed on actually carrying out research and analyzing the data. Spring. Credit, 4 semester hours.
403. **Introduction to Psychological Testing**  
The administration, evaluation, and interpretation of psychological tests. Spring. Credit, 3 semester hours.

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\*\* Starred courses will be taught more frequently as demand indicates.



419. **Advanced Psychological Testing I**  
Prerequisite: Psychology 403 and permission of Department Chairman  
Teaches administration, scoring and interpretation of the following psychological tests: Wechsler Adult Intelligence Scale, Wechsler Intelligence Scale for Children, and Wechsler Preschool and Primary Scale of Intelligence. Other screening tests used in school systems will be included. Fall and Spring. Credit, 3 semester hours.
420. **Advanced Psychological Testing II**  
Prerequisite: Psychology 403 and permission of the Department Chairman  
Teaches administration, scoring, and interpretation of the following psychological tests: Stanford-Binet Intelligence Scale, California Psychological Inventory, Strong Vocational Interest Blank, and Minnesota Multiphasic Personality Inventory. Fall and Spring. Credit, 3 semester hours.

### CLINICAL/COUNSELING

204. **Psychology of Personal Growth**  
How do we grow personally? What is psychological health? What is mental illness? What are the factors in our interaction with ourselves, other people, and society that affect our personal growth? Fall and Spring. Credit, 3 semester hours.
405. **Abnormal Psychology**  
The etiology, symptoms and therapy of behavior abnormalities. Spring. Credit, 3 semester hours.
407. **Personality Theories**  
The various theoretical approaches to the study of personality. Fall. Credit, 3 semester hours.
409. **Child Clinical Psychology**  
Prerequisite: Permission of instructor  
The applications of the principles of clinical psychology to child development. Includes such topics as mental retardation, emotional problems, physical disabilities, and learning disabilities. Child psychotherapy, counseling and parent/school consultation will be included. Fall alternate years.\*\* Credit, 3 semester hours.
417. **Introduction to Clinical Psychology**  
A study of the history and concepts of clinical psychology with an emphasis upon therapeutic theories and prototypic problems encountered in our society. Spring. Credit, 3 semester hours.
418. **Introduction to Counseling Psychology**  
A study of theories, values, and techniques used in counseling, with practical applications such as interviewing, role playing, video tape sessions, and projects. Fall and Spring. Credit, 3 semester hours.

### GROUP & ORGANIZATIONAL

212. **Industrial Psychology**  
Survey of the applications of psychological principles and of research

methodology to the various human problems in industry. Fall. Credit, 3 semester hours.

**416. Social Psychology**

The role of social factors in the behavior of individuals and groups. Spring. Credit, 3 semester hours.

**SCHOOL PSYCHOLOGY**

**205. Developmental Psychology**

A survey of the psychological development of the child through adolescence. Fall and Spring. Credit, 3 semester hours.

**408. Mental Hygiene in School**

A study of the influences within the school which affect the student's self-concept, motivation, and social adjustment. Offered on demand. Credit, 3 semester hours.

**411. Psychology of Exceptional Children**

This course will examine the unique problems of behavior faced by exceptional children and which they present for those who work with them. Offered on demand. Credit, 3 semester hours.

**412. Psychology of Mental Retardation**

The behavior problems confronting the mentally retarded and their families. Offered on demand. Credit, 3 semester hours.

**SPECIALIZED INTERESTS**

**397. Current Topics Seminar**

Comprehensive treatment of selected topics in psychology. Content will vary, depending on interests of participants. Each participant is expected to prepare a major review paper. Offered on demand. Credit, 3 semester hours.

**399. Directed Study**

Directed readings and/or research, leading to the preparation of a paper or a supervised laboratory experiment. Exclusively for psychology majors. Amount of credit given will be agreed upon prior to registration and will depend upon the magnitude of the project chosen. Fall, Spring, and Summer. Credit, 1-6 semester hours.

**414. Practicum: Mental Health Service Experience**

Prerequisite: Permission of Department Chairman

Supervised administration and detailed interpretation of individual and group tests essential in various mental health settings. Fall, Spring, and Summer. Credit, 3 semester hours.

**499. Independent Study in Psychology**

Directed readings and/or research, leading to the preparation of a paper or a supervised laboratory experiment. Exclusively for senior psychology majors. Fall, Spring, and Summer. Credit, 1-3 semester hours.

**SOCIOLOGY AND GEOGRAPHY***Chairman:* JOHN RIMBERG

CLEMENS BARTOLLAS  
 JESSIE F. BEY  
 VALERA M. BISSETT  
 ELIZABETH H. KUO  
 DAVID A. MCLEAN

FRANK S. POKRASS  
 JAMES E. RICKLEFS  
 THOMAS E. ROSS  
 GAY I. WILLIAMS

Applied sociology leads to opportunities in community development and town planning, occupational guidance and vocational rehabilitation, law enforcement and social justice, social work and social welfare, medical sociology and public health, etc.

The department offers a major in sociology, specialty concentrations in sociology, anthropology and geography, and opportunities to develop interdepartmental specialties.

**Requirements for a Bachelor of Arts Degree in Sociology**

	Sem. Hrs.
Basic Studies (p. 47)	45
<b>Major Requirements</b>	
Sociology 201 and thirty-three additional semester hours of sociology and/or anthropology.	36
Note: Only three of these ten cross-listed courses may be counted toward the major: Sociology 310, 323, 334, 359, 360, 433, 443, Anthropology 260, 261, 262	
Electives	39
<b>Total</b>	<b>120</b>

**Requirements for a Bachelor of Arts Degree in Sociology with Certification by the State to Teach Social Studies at the Secondary Level**

	Sem. Hrs.
Basic Studies (p. 47)*	45
<b>Major Requirements</b>	
Sociology 201 and thirty-three additional semester hours of sociology and/or anthropology.	
Note: Only three of these ten cross-listed courses may be counted toward the major: Sociology 310, 323, 334, 359, 360, 433, 443, Anthropology 260, 261, 262.	
Six semester hours from the areas of Economics, History, Geography and Political Science	42
<b>Professional Education Requirements</b>	
Education 227, 400, 419, 445, 448; Ed. Psy. 202, 308	24
Electives	9
<b>Total</b>	<b>120</b>

\* Students who plan a major in Sociology with Certification by the State to Teach Social Studies should consult with the Department Chairman prior to registering for Basic Studies courses.

## COURSES

## I. SOCIOLOGY

## METHOD AND THEORY

101. 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 (Mathematics 205)  
The same course as Mathematics 205. Credit, 3 semester hours.
201. Sociological Concepts  
Human society. Relationship of society to personality and culture. Development of group life and social environments. Required of sociology majors. Spring and summer. Credit, 3 semester hours.
210. Introduction to Computers (Mathematics 210)  
The same course as Mathematics 210. Credit, 3 semester hours.
390. Junior Seminar on Sociological Concepts  
An intermediate-level course in sociological method and theory. Spring. Credit, 3 semester hours.
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 and summer. Credit, 1 semester hour.
399. Directed Research II  
Same as above. Credit, 2 semester hours.
490. Senior Seminar on Sociological Concepts  
An advanced course in sociological method and theory. Fall. Credit, 3 semester hours.
499. Independent Study in Sociology  
Restriction: Limited to seniors majoring in sociology whose overall cumulative quality point average is 2.5 or better.  
Prerequisite: Acceptance by the department member who will supervise, and approval by the Department Chairman. A written proposal is required in advance of registration. Fall, spring and summer. Credit, 3 semester hours.

## COMMUNITY DEVELOPMENT

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 1975-1976 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 1975-1976 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 1975-1976 and alternate years. Credit, 3 semester hours.
- 334. Principles of Ecology (Biology 304)**  
Prerequisite: Sociology 201  
Restriction: Sociology majors only  
Credit, 4 semester hours.
- 335. Public Opinion and Lobbying (Political Science 305)**  
Prerequisite: Sociology 201  
Restriction: Sociology majors only  
Credit, 3 semester hours.
- 336. Power and Influence**  
Social movements and institutionalized authority. Charisma and legitimation. Ideology and social structure. Mass persuasion, propaganda and pressure groups. Fall of 1976-1977 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. Fall, spring or summer. 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 1976-1977 and alternate years. Credit, 3 semester hours.
- 359. Settlement Geography (Geography 359)**  
Prerequisite: Sociology 201  
Restriction: Sociology majors only  
Fall. Credit, 3 semester hours.
- 360. Urban Geography (Geography 360)**  
Prerequisite: Sociology 201  
Restriction: Sociology majors only  
Spring. Credit, 3 semester hours.

## **GUIDANCE**

- 103. 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 and summer. Credit, 3 semester hours.

303. **The Family**  
Structure and functions of kin groups in societies. Types of families. Cooperation and conflict. The family in relation to other social institutions. Mate selection, courtship and family relationships. Stability and change. Fall of 1976-1977 and alternate years. Credit, 3 semester hours.
323. **Language and Society (Communicative Arts 381)**  
Prerequisite: Sociology 201  
Restriction: Sociology majors only  
Spring. Credit, 3 semester hours.
333. **Schools and Universities in Modern Society**  
Sociology of education. Structure and functions of schools in societies. Types of schools. Cooperation and conflicts. Socialization, training and educational relationships. Stability and change. Spring of 1975-1976 and alternate years. Credit, 3 semester hours.
433. **Introduction to Counseling (Psychology 418)**  
Prerequisite: Sociology 201  
Restriction: Sociology majors only  
Fall and spring. Credit, 3 semester hours.
443. **Personnel Management (Business Administration 408)**  
Prerequisite: Sociology 201  
Restriction: Sociology majors only  
Credit, 3 semester hours.

## LAW ENFORCEMENT

340. **Introduction to Criminology**  
Deviance in society. Structure and functions of social controls. Law enforcement and crime prevention. Rehabilitation of delinquents and criminals. Prison reform, probation and other trends in social justice. Fall. Credit, 3 semester hours.
341. **Juvenile Delinquency**  
Prerequisite: Sociology 340  
Social pressure, peer groups and gang behavior. Alienated youth and anti-social conduct. Treatment programs and community countermeasures. Prevention of juvenile delinquency. Students spend one-third of course time in supervised field work. Credit, 3 semester hours.
342. **Punishment and Correction of Criminals**  
Prerequisite: Sociology 340  
Imprisonment and other forms of punishment. Social organization of penitentiaries, jails and reformatories. Probation and parole. Corrections and treatment. Students spend one-third of course time in supervised field work. Spring. Credit, 3 semester hours.
343. **Law Enforcement**  
Prerequisite: Sociology 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: Sociology 341 or 342

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

**440. Senior Seminar on Social Deviance and Counter-Measures**

Prerequisite: Sociology 343 or 344

Restriction: Seniors only

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

**SOCIAL WORK**

**346. Introduction to Social Work**

Historical development of theories of social welfare. Processes and specialties. Personal and education requirements. Social work methods. Federal, state and community programs. Note: Sociology 416 should be taken concurrently. Fall. Credit, 3 semester hours.

**347. Client Contact in Social Work**

Prerequisite: Sociology 346 is required.

Sociology 416 is recommended.

Casework and group procedures. Resources available for social problem-solving. Students will spend one-third of course time in a local agency which applies field work techniques, under supervision of a trained social worker. Note: Sociology 349 should be taken concurrently. Fall of 1976-1977. Credit, 3 semester hours.

**348. Agency Procedures in Social Work**

Prerequisite: Sociology 346 is required.

Sociology 416 is recommended.

Methodology of social work administration and procedure. Organization and analysis of casework data. Interpretations based on use of scientific methods. Students will visit a local agency to observe. Spring. Credit, 3 semester hours.

**349. Introduction to Field Work in Social Agencies**

Prerequisite: Sociology 347 or 348

Applications of behavioral science theories in social agencies. Students will do field work under supervision of a trained social worker. Fall. Credit, 4 semester hours.

**449. Advanced Field Work in Social Agencies**

Prerequisite: Sociology 349

Continuation of Sociology 349 at an advanced level. Spring. Credit, 4 semester hours.

**MEDICAL SOCIOLOGY****370. Medical Behavior**

Prerequisite: Sociology 201

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: Sociology 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: Sociology 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: Sociology 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**

Prerequisites: Sociology 370, and 110 (or Mathematics 205)

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

**375. Death and Sickness**

Prerequisites: Sociology 370, and 110 (or Mathematics 205)

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.

**IDEOLOGY AND SOCIAL PSYCHOLOGY****309. Social Problems in Modern Society**

Social costs of organized social life. Problems in families, work groups, local communities, and modern nations. Sociology of mental disorders, suicide, drug abuse, alcoholism, etc. Poverty and violence. Spring of 1975-1976 and alternate years. Credit, 3 semester hours.



310. Sects, Cults and Religious Movements in America (Religion 310)  
Prerequisite: Sociology 201  
Restriction: Sociology majors only  
Fall of 1976-1977 and alternate years. Credit, 3 semester hours.
416. Social Psychology (Psychology 416)  
Prerequisite: Sociology 201 or Psychology 101 or permission of the Department Chairman  
Effects of social interaction on personality. Collective attitudes and behavior. Group experiences. Fashions and fads. Crowds, mobs and publics. Social movements. Fall and spring. Credit, 3 semester hours.
417. Sociology of Religion 201 (Religion 417)  
Prerequisite: Sociology 201  
Religious institutions and relationships in modern society. Credit, 3 semester hours.

## II. ANTHROPOLOGY

Anthropology involves method as well as subject-matter. The student is liberated from ethnocentrism and culture-bound stereo-types, through exposure to various facets of anthropology: applied, archeological, cultural, ethno-linguistic, ethno-methodological, and physical.

The Department offers a specialty concentration in anthropology. Students interested in this should see the Department Chairman.

260. Life and Culture of France (French 261)  
Prerequisites: Sociology 101 and 201  
Restriction: Sociology majors only  
Credit, 3 semester hours.
261. Life and Culture of Germany (German 261)  
Prerequisites: Sociology 101 and 201  
Restriction: Sociology majors only  
Credit, 3 semester hours.
262. Life and Culture of Spanish-Speaking Countries (Spanish 261)  
Prerequisites: Sociology 101 and 201  
Restriction: Sociology majors only  
Credit, 3 semester hours.
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. Spring of 1975-1976 and alternate years. Credit, 3 semester hours.

357. **Field Techniques in Archeology (American Indian Studies 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 1975-1976 and alternate years. Credit, 3 semester hours.
358. **Archeology of North America (American Indian Studies 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. Fall of 1975-1976 and alternate years. Credit, 3 semester hours.
455. **Advanced Cultural Anthropology**  
Prerequisite: Sociology 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 1976-1977 and alternate years. Credit, 3 semester hours.
459. **Minority Groups**  
Ethnic, religious, racial and other minorities. Types of majority-minority relationships. Social integration, segregation, discrimination and prejudice. Fall. Credit, 3 semester hours.

### III. GEOGRAPHY

Geography involves processes as well as description. The student develops an awareness of the components of geography: method and theory, physical, social, and regional.

The Department offers a specialty concentration in geography. Students interested in this should see the Department Chairman.

#### METHOD AND THEORY

101. **Introduction to Geography**  
The earth—environment of man. Tools and techniques of geography. Recommended as preparation for more advanced courses. Required for a specialty concentration in geography. Fall and spring. 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. Fall of 1975-1976 and alternate years. 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 and summer. Credit, 1 semester hour.
399. Directed Research II  
Same as above. Credit, 2 semester hours.
400. Geography for Teachers  
Methods of teaching geography. Selection and arrangement of geographic materials for the classroom. Teaching techniques. Problems and opportunities. Aims of teaching geography. Role of geography in the schools. Textbooks, library materials, maps and other study aids. Spring of 1975-1976. Credit, 3 semester hours.

## PHYSICAL GEOGRAPHY

199. Physical Geography  
Description, analysis and interpretation of physical patterns. The earth in space. Land forms and surface configurations. Climate, vegetation and soils. Fall of 1976-1977 and alternate years. Credit, 3 semester hours.
246. Climatology (Geology 246)  
Scientific analysis and classification of climate data. Climatic controls. Geographic areas and their major types of climate. Fall of 1976-1977 and alternate years. Credit, 3 semester hours.

## SOCIAL GEOGRAPHY

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. Fall of 1975-1976 and alternate years. Credit, 3 semester hours.
206. Economic Geography (Economics 206)  
Location, development and distribution of major industries, agricultural products, and economic services. Fall and spring. Credit, 3 semester hours.
359. Settlement Geography (Sociology 359)  
Geographic factors in location, organization and operation of rural and urban settlement. Historical approaches. Location theory. Hierarchies. Fall. Credit, 3 semester hours.
360. Urban Geography (Sociology 360)  
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. Spring. Credit, 3 semester hours.

**REGIONAL GEOGRAPHY**

202. Introduction to Regional Geography  
Survey of most countries and regions of the world. Relation of geographic factors to contemporary problems in world affairs. Spring of 1975-1976 and alternate years. Credit, 3 semester hours.
371. Africa  
Spring of 1976-1977 and alternate years. Credit, 3 semester hours.
372. North America  
Spring of 1976-1977 and alternate years. Credit, 3 semester hours.
373. Asia  
Fall of 1976-1977 and alternate years. Credit, 3 semester hours.
374. Europe  
Fall of 1976-1977 and alternate years. Credit, 3 semester hours.
375. Latin America  
Spring of 1976-1977 and alternate years. Credit, 3 semester hours.
376. Soviet Union  
Spring of 1976-1977 and alternate years. Credit, 3 semester hours.
430. Eastern Mediterranean Study Tour (Religion 430)  
The same course as Religion 430. Credit, 3 semester hours.

**SUMMARY OF ENROLLMENT  
1974-75**

**SUMMER SESSION, 1974**

First Term .....	1076
Second Term .....	933
Total number enrolled .....	2009

**FIRST SEMESTER 1974-75**

Freshmen .....	524
Sophomores .....	412
Juniors .....	359
Seniors .....	464
Special .....	106
Total number enrolled .....	1865

**SECOND SEMESTER  
1974-75**

Freshmen .....	391
Sophomores .....	291
Juniors .....	432
Seniors .....	500
Special .....	172
Total number enrolled .....	1786

**DEGREES, CONFERRED,  
May, 1975 (Estimated)**

Bachelor of Science .....	310
Bachelor of Arts .....	150
Total number of degrees conferred .....	460

**PEMBROKE STATE  
UNIVERSITY ENROLLMENT**

Men .....	940
Women .....	925
<b>GRAND TOTAL</b> .....	<b>1865</b>
State Residents .....	1797
Non-Residents .....	68

**ENROLLMENT BY STATE**

1. Arizona .....	1
2. California .....	1
3. Connecticut .....	1
4. Delaware .....	1
5. Dist. of Columbia .....	1
6. Florida .....	1
7. Georgia .....	2
8. Iowa .....	1
9. Kansas .....	1
10. Louisiana .....	1

11. Maryland .....	4
12. Massachusetts .....	1
13. Michigan .....	2
14. New Hampshire .....	3
15. New Jersey .....	3
16. New Mexico .....	4
17. New York .....	5
18. North Carolina .....	1797
19. Ohio .....	1
20. Oklahoma .....	1
21. Pennsylvania .....	5
22. South Carolina .....	14
23. Texas .....	1
24. Vermont .....	1
25. Virginia .....	12
26. Washington .....	1

**ENROLLMENT BY COUNTIES  
OF NORTH CAROLINA**

Alamance .....	6
Anson .....	18
Avery .....	1
Beaufort .....	1
Bertie .....	1
Bladen .....	54
Brunswick .....	8
Buncombe .....	2
Burke .....	1
Carteret .....	2
Caswell .....	3
Catawba .....	3
Chatham .....	3
Chowan .....	1
Cleveland .....	3
Columbus .....	75
Craven .....	1
Cumberland .....	270
Davidson .....	4
Davie .....	3
Duplin .....	3
Durham .....	16
Edgecombe .....	2
Forsyth .....	4
Franklin .....	2
Granville .....	4
Greene .....	2
Guilford .....	12
Halifax .....	6
Harnett .....	13
Hertford .....	1
Hoke .....	31
Iredell .....	1
Johnston .....	10
Jones .....	1

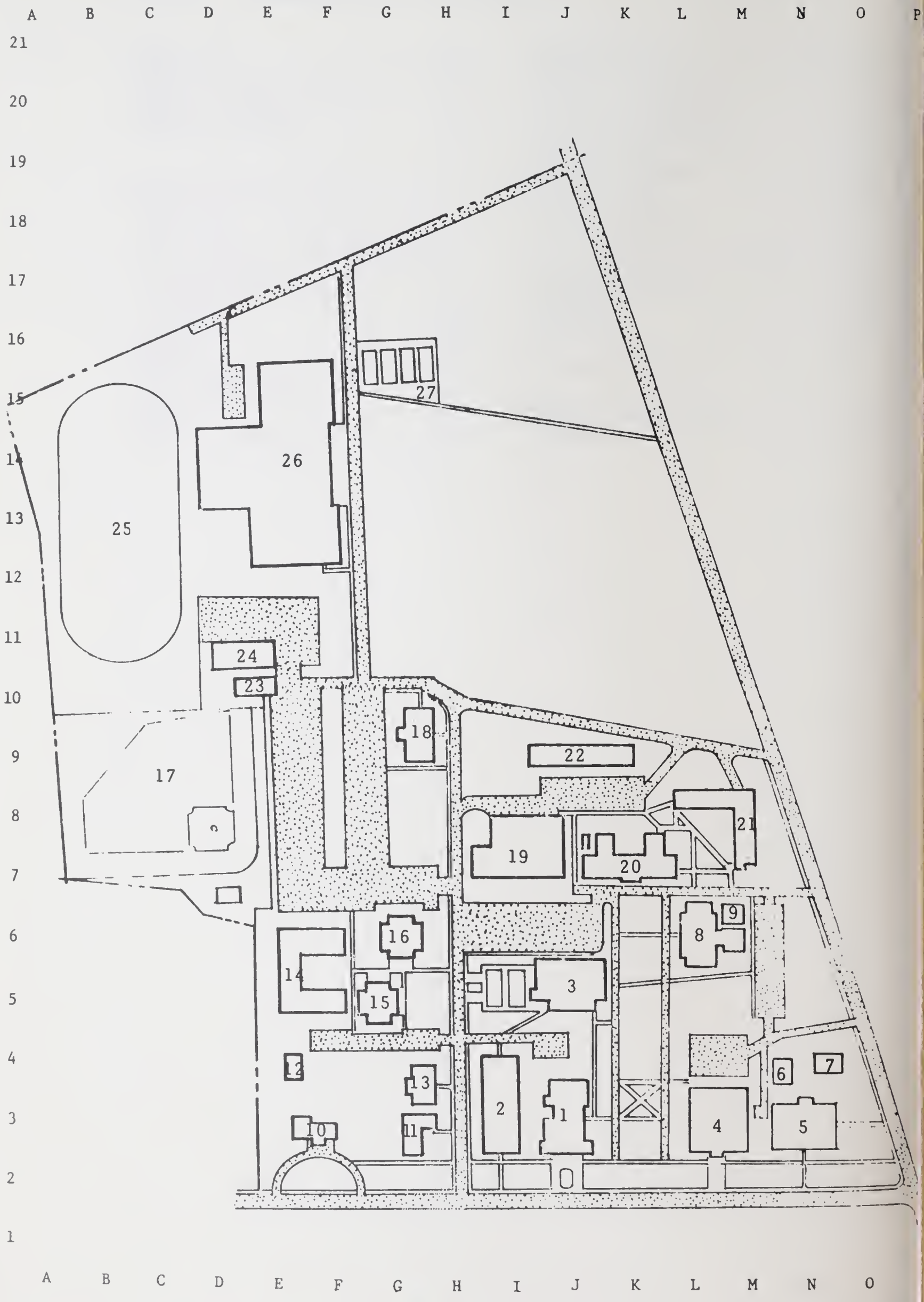
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New Hanover . . . . .	2	Surry . . . . .	1
Northampton . . . . .	4	Transylvania . . . . .	1
Onslow . . . . .	11	Wake . . . . .	15
Orange . . . . .	2	Warren . . . . .	1
Person . . . . .	1	Wayne . . . . .	6
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# CAMPUS MAP

## Key to Buildings

1. Sampson Hall (Administration Building) (J-3)
2. Mary Livermore Library (I-3)
3. Old Gymnasium (J-5)
4. Old Main (L-3)
5. Herbert G. Oxendine Science Building (N-3)
6. Environmental Building (N-4)
7. Green House (N-4)
8. Moore Hall (L-6)
9. Music Annex (M-7)
10. President's Home (F-3)
11. Home Economics Residence House (G-3)
12. Guest House (E-4)
13. Infirmary (G-4)
14. West Hall (Women's Dormitory) (F-5)
15. South Hall (Women's Dormitory) (G-5)
16. North Hall (Women's Dormitory) (G-6)
17. Baseball Field (C-9)
18. Business Administration Building (G-9)
19. D. F. Lowry Student Center and Cafeteria (I-8)
20. Locklear Hall (K-7)
21. Jacobs Hall (Men's Dormitory) (M-8)
22. Wellons Hall (Men's Dormitory) (J-9)
23. Receiving Depot (E-10)
24. Maintenance Shop (D-11)
25. Track (B-13)
26. English E. Jones Health and Physical Education Center (E-14)
27. Tennis Courts
28. Cultural Arts Center

