

# **College of Charleston**

## **Bulletin**

**1976 - 1977**

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College of Charleston  
Charleston, South Carolina



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The College of Charleston reserves the right to make changes without notice in any bulletin information as necessitated by college or legislative action.

## INFORMATION DIRECTORY

Inquiries for detailed information may be addressed as indicated below. For any information not included here, please write the Office of Admissions, College of Charleston, Charleston, South Carolina 29401.

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*Payment of College Bills*

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*Requests for Catalogues*

THE DEAN OF ADMISSIONS

*Scholarships and Financial Assistance*

THE DIRECTOR OF FINANCIAL ASSISTANCE

*Student Life*

THE DEAN OF STUDENTS

*Transcripts of Records*

THE REGISTRAR

## CALENDAR FOR FALL SEMESTER, 1976-1977

### AUGUST

- 30, Monday Dormitories Open at 9:00 A.M.  
New Student Orientation Begins
- 31, Tuesday Add Day for Computer Cancellation

### SEPTEMBER

- 1, Wednesday First Day for Changing Classes
- 2, Thursday Classes Begin
- 3, Friday Last Day for Changing Classes  
Last Day for Late Registration

### OCTOBER

- 1, Friday Last Day for Grade of "W"
- 18, Monday Last Day to Order Diploma for  
May Graduation
- 20, Wednesday Mid-Term Grades

### NOVEMBER

- 24, Wednesday Last Day to Drop with grade  
of "WP" or "WF"  
Thanksgiving Recess Begins at 5:00 P.M.
- 29, Monday Classes Resume at 8:00 A.M.

### DECEMBER

- 8, Wednesday Last Day of First Semester Classes
- 10, Friday First Day of Exams
- 15, Wednesday Last Day of Exams
- 19, Sunday Mid-Year Commencement

## CALENDAR FOR SPRING SEMESTER, 1977

### JANUARY

- 10, Monday Dormitories Open at 9:00 A.M.
- 11, Tuesday Add Day for Computer Cancellation
- 12, Wednesday Classes Begin  
First Day for Changing Classes
- 14, Friday Last Day to Change Classes  
Last Day for Late Registration

### FEBRUARY

- 11, Friday Last Day for Grade of "W"
- 28, Monday Mid-Term Grades

### MARCH

- 4, Friday Spring Break Begins at 5:00 P.M.
- 14, Monday Classes Resume at 8:00 A.M.
- 19, Saturday Founder's Day

### APRIL

- 13, Wednesday Last Day for Grade of "WP" or "WF"
- 18, Monday Last Day to Order Diploma for  
Summer or December Graduation
- 27, Wednesday Last Day of Classes
- 29, Friday Exams Begin

### MAY

- 6, Friday Exams End
- 11, Wednesday Commencement

## CALENDAR FOR SUMMER SESSIONS, 1977

### JUNE

- 13, Monday Beginning of First Summer Term
- 22, Wednesday Last Day to Drop a Course with Grade of "W"

### JULY

- 4, Monday Independence Day—No Classes Scheduled
- 7, Wednesday Last Day to Drop a Course with Grade of "WP" or "WF"
- 15, Friday Final Examinations First Summer Term
- 16, Saturday Final Examinations First Summer Term
- 18, Monday Beginning of Second Summer Term
- 27, Wednesday Last Day to Drop a Course with Grade of "W"

### AUGUST

- 10, Wednesday Last Day to Drop a Course with Grade of "WP" or "WF"
- 18, Thursday Final Examinations Second Summer Term
- 19, Friday Final Examinations Second Summer Term

**PRESIDENTS OF THE  
COLLEGE OF CHARLESTON  
1790-1975**

Robert Smith, 1790-1797

Thomas Bee, Jr., 1798-1805

George Buist, 1806-1808

Elijah Dunham Rattoone, 1810

Nathaniel Bowen, 1823-1824

Jasper Adams, 1825-1826

William Theophilus Brantly, 1838-1844

William Peronneau Finley, 1845-1857

Nathaniel Russell Middleton, 1857-1880

Henry Elliott Shepherd, 1882-1897

Harrison Randolph, 1897-1945

George Daniel Grice, 1945-1966

Walter Raleigh Coppedge, 1966-1968

Theodore Sanders Stern, 1968-





## THE COLLEGE OF CHARLESTON 1770-1975

Although the College of Charleston began its corporate existence March 19, 1785, with the passage of an act by the General Assembly of South Carolina, colonial aspirations for higher education extended into the early eighteenth century. The College had in fact been founded fifteen years earlier, in 1770, when the first contribution was made to the endowment. As early as 1707 portions of land had been set aside for a college or university and in 1723, the master of a free school in Charles Town wrote to his superior in England advocating the establishment of a college. A plan brought forward in 1748 eventually resulted in the South Carolina Act of 1785 enabling in turn the development of higher education in the state.

It was in this year that the newly-founded Charles Town Library became the cultural center for the province. Not a library in an ordinary sense, the association brought together members for frequent and stimulating sessions. Prominent among those calling upon the government of South Carolina to establish a provincial college in Charleston were outstanding members of the Charles Town Library Society. Activities of this group in support of higher education justify the College's recognizing the Library Society, to this day still active in the community's cultural life, as a silent force in the determined effort to provide higher education in South Carolina.

Classes at the newly established College of Charleston began July 3, 1785, in the home of the president of the College, Dr. Robert Smith, who, while still serving as president of the College, was made the first Episcopal Bishop of South Carolina. (The Bishop Smith House, carefully restored in 1965, is once again the home of the College president.) Five years after the opening, the Trustees announced on October 11, 1790, that classes had begun in Main Building on the campus. Four years later, in 1794, the first degrees were conferred.

Despite the initial promise, mounting debts and diminishing enrollments brought into question the College's continuation as an active educational institution. Belief in the possibilities of the institution never disappeared, and by 1817 debts had been cleared; by 1825 important internal reorganizations had been effected; and by 1828 the old buildings had been replaced by a handsome Greek revival structure.

Events taking place in the mid-1820's enabled the College of Charleston to lay claim to being the first municipal college in the United States. The first financial aid was received from the City of Charleston during this period when, as early as 1826, an appropriation by the City

Council established the principle of municipal patronage and gave the College the status of a Municipal institution. Legal confirmation of the arrangement came in 1837 when an amendment to the charter enabled the Trustees to transfer the College properties to the city, and the city, for its part, engaged to provide annual financial support.

Considering the disruption which war brought to all phases of Southern life after 1860, it is remarkable that the College suffered so little. Classes were discontinued for a time, and faculty, students, and even the library were scattered. But the tradition survived, and the College, when it reopened in February, 1866, was able to resume its activities almost as if they had not been interrupted.

The new era brought both new difficulties and new strength. A sharp drop in enrollment during the Reconstruction period caused financial strains of such magnitude that dissolution threatened upon occasion. The Main Building was heavily damaged in the earthquake of 1886, taxing further the financial resources of the College. On the other hand, the period from 1866 to the present was marked by a steady expansion of the curriculum and by an equally steady rise in scholastic standards.

The College of Charleston became a coeducational institution in 1918. Without greatly increasing its size, the College of Charleston thus doubled the opportunities for students of the community to secure a college education. Recognizing this increased potential, the County of Charleston began to contribute annual appropriations, and the College thereafter became a county as well as a municipal institution. Through an act of the General Assembly of South Carolina the original charter of 1785 was in effect restored when the College of Charleston returned to its private status on April 28, 1949.

A listing of events and dates alone in the history of the College does not present the character of the institution which has attracted the interest and talents of men of undisputed eminence in their fields. The Board of Trustees has included such men as John Rutledge, Chief Justice of the United States; Charles Fraser, artist; Gabriel Manigault, architect; Joel Poinsett, horticulturist and diplomat; Robert Y. Hayne, statesman; Dr. David Ramsey, historian of Colonial and Revolutionary South Carolina, and M. Rutledge Rivers. For fifty-four years Lewis R. Gibbes carried on his research in biology, astronomy, and chemistry as professor of natural history on the College faculty. John Bachman, the naturalist, and Francis S. Holmes, who organized and augmented the collections of the Charleston Museum, were members of the faculty. The fine scholarship of Nathaniel Wright Stephenson in history, of Thomas della Torre in the classics, and of Lancelot Minor Harris in English literature and philology was contemporaneous with their work as teachers in the College.

Among its alumni, the College of Charleston lists men of letters such as Edward McCrady, James DeBow, Paul Hamilton Hayne, and Ludwig Lewisohn—National figures such as Frank Blair, network news commentator; John Charles Fremont, explorer and candidate for the presidency; William Steen Gaud, Executive Vice President, International Finance Corporation; Dr. Webb Edward Haymaker, senior scientist and Director, Life Sciences, NASA, and neuropathologist with the Armed Forces; Joseph Earl Jacobs, ambassador; Burnet Rhett Maybank, Mayor of Charleston, Governor of South Carolina, and United States Senator from South Carolina; Josephine Lyons Scott Pickney, authoress; Congressman L. Mendel Rivers, Chairman of the Armed Services Committee; Herbert Ravenel Sass, author; Paul Ehrman Scherer, prominent theologian; and Governor James B. Edwards of South Carolina.

And from the educational standards, often far in advance of their times, of such presidents as George Buist, Jasper Adams, William Peronneau Finley, Nathaniel R. Middleton, and Harrison Randolph, the College derives whatever excellence it has achieved in the purposes for which it was founded and to which it remains dedicated.

The first gift to the College's endowment fund in 1770 was that of Benjamin Smith; five similar gifts during the next ten years considerably augmented the funds. Major bequests since that time have been those of Ephraim M. Baynard (1864), Thomas W. Malone (1888), Andrew B. Murray (1927), Lancelot M. Harris (1948), Mrs. Daisy C. Pettus (1948), Mrs. Isabel M. Doud (1948), S. Douglas Craig (1960), and Richard H. Jenrette (1970-71). The endowment fund is devoted primarily to student aid in the form of scholarships and loan funds.

On July 1, 1970, the College of Charleston became an integral part of the Higher Education System of the State of South Carolina. On that date the Board of Trustees of the College transferred the College to the State College Board of Trustees.

This affiliation has permitted the College to expand and provide new course offerings, to better serve the student, the community and the state.

The new Robert Scott Small Library was placed in operation in 1972, and the two new library wings will be in operation in 1975. Other new construction projects include The Burnett Rhett Maybank Classroom Building; The Central Energy Facility, and The Rutledge Rivers Residence Hall, which were placed in operation in 1973. The new Science Center and Physicians Memorial Auditorium were in operation in 1974. The Student Center will be in operation in 1975. Renovation and restoration of the existing physical plant is in progress. The accelerated growth of the College has required the College to lease or purchase many facilities to serve the needs of its students.

The College of Charleston is a member of the Southern Association of Colleges and Schools, of the Association of American Colleges, the American Association of State Colleges and Universities, and of the American Council on Education. It is a charter member of the Southern University Conference, and is on the approved list of the Association of American Universities and of the American Association of University Women. Its accreditation was reaffirmed in 1965.

The College of Charleston is an equal opportunity institution.

### **STATEMENT OF PURPOSE**

The College of Charleston, as a general purpose College, endeavors:

1. To provide a comprehensive program in the arts and sciences, and such complementary programs as education and business administration, leading to the baccalaureate degree for students whose prior academic training and performance indicate the potential for success at the College of Charleston.
2. To provide programs leading to the masters degree which are consistent with the geographical location and the resources of the College of Charleston and the needs of the state and the community.
3. To provide a comprehensive program of continuing education and cultural, social and recreational services for residents of the low-country and the state, insofar as these services are consistent with the College's primary academic purpose.
4. To afford to the state and the community the advantages and benefits of the professional expertise of its faculty to the extent feasible and appropriate to an institution of higher learning.
5. To encourage research and, insofar as possible, to provide an environment within which faculty members might make a contribution to the search for knowledge.

## THE BOARD OF TRUSTEES

The Board of Trustees of the College of Charleston is composed of sixteen members, appointed by the Governor of the State of South Carolina with the advice and consent of the South Carolina Senate. One member represents each of the sixteen judicial districts of the State. The official title of the Board is "South Carolina State College Board of Trustees."

### SOUTH CAROLINA STATE COLLEGE BOARD OF TRUSTEES

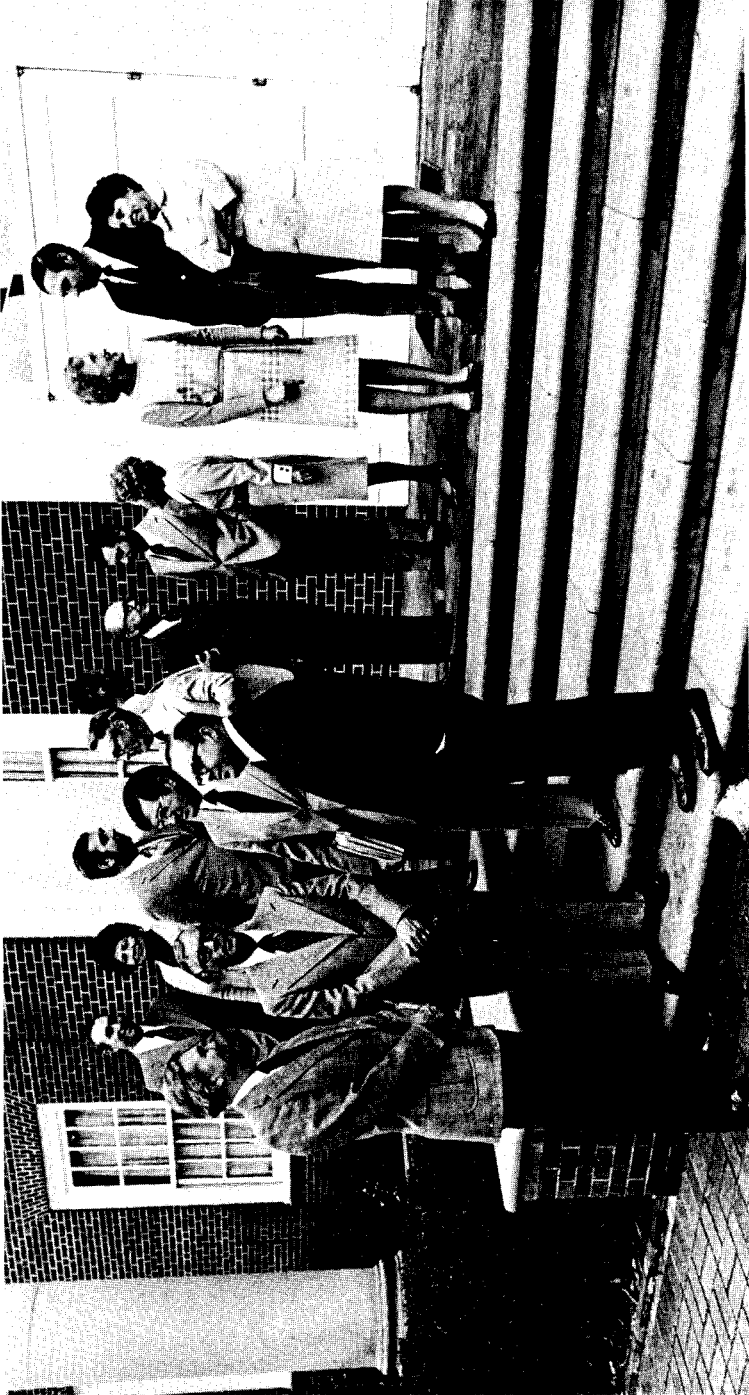
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1975-76**

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A.B., Louisiana College; B.D., New Orleans Baptist Theological Seminary, M.A., Ph.D., Vanderbilt University
- Paul E. Allen, M.A. (1974) *Instructor in English*  
B.A., Huntingdon College; M.A., Auburn University
- James Philip Anderson, M.S. (1957) *Associate Professor of Mathematics*  
B.S., College of Charleston; M.S., University of South Carolina
- William D. Anderson, Jr., Ph.D. (1969) *Associate Professor of Biology*  
B.S., M.S., Ph.D., University of South Carolina
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B. Mus., M. Mus., Ph.D., Northwestern University; Diploma, Conservatory of Vienna
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B.A., Gustavus Adolphus College; Ph.D., University of Iowa
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B.S.Ch.E., Case Institute of Technology; M.B.A., Case Western Reserve University; D.B.A., Kent State University
- Virginia Doubchan Benmaman, Ph.D. (1970) *Assistant Professor of Spanish*  
B.S., University of Wisconsin; M.A., San Francisco State College; Ph.D., University of South Carolina
- James M. Bickley, Ph.D. (1973) *Assistant Professor of Economics*  
B.A., University of Maryland; M.A., Brown University; Ph.D., University of North Carolina at Chapel Hill
- Charles K. Biernbaum, Ph.D. (1974) *Assistant Professor of Biology*  
B.S., Wake Forest University; Ph.D., University of Connecticut
- William Bischoff, M.A. (1955) *Associate Professor of Psychology*  
B.S., College of Charleston; M. Div., Philadelphia Lutheran Seminary; M.A., University of South Carolina
- Eileen Bloch, M.A. (1974) *Assistant Professor as Marine Resources Librarian*  
B.A., Pembroke College; M.A., University of Chicago
- Robert Benson Boeder, Ph.D. (1974) *Assistant Professor of History*  
B.A., University of Minnesota; M.A., Howard University; Ph.D., Michigan State University
- P. Kenneth Bower, Ed.D. (1973) *Assistant Professor of Education*  
B.S., Lock Haven State College; M.Ed., Ed.D., Pennsylvania State University
- Mary Gilbert Boyd, Ph.D. (1974) *Assistant Professor of Psychology*  
B.F.A., M.S., Ph.D., University of Georgia
- William Clark Bradford, Jr., Ph.D. (1970) *Associate Professor of English*  
A.B., Colby College; M.A., Ph.D., Duke University

- Gary Harold Brooks, M.A. (1974) *Assistant Professor of Political Science*  
B.A., Millsaps College; M.A., Tulane University
- Lorin Browning, Ph.D. (1970) *Assistant Professor of Philosophy*  
B.A., Louisiana College; M.A., Louisiana State University; Ph.D., Michigan State University
- David Butler, Ph.D. (1973) *Assistant Professor of Fine Arts*  
B.S., M.A., Ph.D., Ohio State University
- Suzanne Wade Byrd, Ph.D. (1972) *Assistant Professor of Spanish*  
A.B., University of Georgia; M.A., University of South Carolina; Ph.D., University of Georgia
- William T. Cashman, Ph.D. (1975) *Assistant Professor of Mathematics*  
B.S., Indiana Institute of Technology; Ph.D., Arizona State University
- Jack Richard Censer, Ph.D. (1974) *Assistant Professor of History*  
A.B., Duke University; M.A., Ph.D., The Johns Hopkins University
- Richard G. Chalcraft, Ph.D. (1975) *Assistant Professor of Geology*  
B.A., SUNY at Buffalo; M.S., University of North Carolina; Ph.D., University of North Carolina
- Norman Allison Chamberlain, III, Ph.D. (1962) *Professor of Biology and Director, George D. Grice Marine Biological Laboratory*  
B.A., University of North Carolina; M.A., Ph.D., The Johns Hopkins University
- Chung-yue Chang, M.A. (1974) *Assistant Professor of Philosophy*  
B.A., Columbia University; M.A., New York University
- Margaretta Pringle Childs, Ph.D. (1974) *Assistant Professor as Archivist*  
B.A., Wellesley College; M. Ln., Emory University; Ph.D., The Johns Hopkins University
- Malcolm Cameron Clark, Ph.D. (1966) *Professor of History*  
B.A., M.A., George Washington University; Ph.D., Georgetown University
- Eugenie Graham Comer, M.A. (1973) *Instructor in English*  
B.A., Columbia College; M.A., Clemson University
- Eddie Gay Cone, Ph.D. (1972) *Assistant Professor of English*  
B.A., M.A., Southern Methodist University; Ph.D., Duke University
- William Mellard Connor, M.A. (1967) *Assistant Professor of German*  
B.S., United States Military Academy; B.A., M.A., Oxford University; Brigadier General, USA, (ret.)
- Harold Eugene Conway, M.A. (1972) *Assistant Professor of Sociology*  
B.S., Austin Peay State College; M.A., Middle Tennessee State University
- Vernon Cook, Ph.D. (1961) *Professor of German and Russian*  
B.A., Ph.D., University of Virginia
- Charles Richard Crosby, Ph.D. (1972) *Assistant Professor and Director of Computer Operations*  
B.S., M.S., Ph.D., Louisiana State University

- Richard Collier Crosby, Ph.D. (1971) *Associate Professor of Psychology and Dean of Graduate Instruction*  
B.S., M.S., Ph.D., Cornell University
- Robert L. Cross, M.A. (1975) *Instructor in English*  
A.B., Stetson University; M.A., University of North Carolina at Chapel Hill
- Martha D. Cunningham, M.A. (1974) *Assistant Professor of Education*  
B.S., Winthrop College; M.A., The Citadel
- Clarence Baldwin Davis, Ph.D. (1973) *Assistant Professor of History*  
A.B., Yale University; M.A., Ph.D., University of Wisconsin
- Karen V. Tuton Del Porto, Ph.D. (1973) *Assistant Professor of Psychology*  
B.S., M.S., Ph.D., Pennsylvania State University
- John R. Dempsey, M.A. (1974) *Assistant Professor of Political Science*  
B.A., University of Notre Dame; M.A., College of William and Mary
- Chi Xuan Diep H.E.C., M.A. (1971) *Assistant Professor of French*  
Diplôme de l'École des Hautes Etudes Commerciales, Université de Paris; M.A., University of Minnesota
- Marion T. Doig, III, Ph.D. (1974) *Assistant Professor of Chemistry*  
B.S., College of Charleston; M.S., Ph.D., University of South Florida
- Rachel Jane Doyle, M.B.A. (1974) *Assistant Professor of Economics*  
B.S.B.A., M.B.A., University of Arkansas
- Edmund Leon Drago, Ph.D., (1975) *Assistant Professor of History*  
B.A., University of Santa Clara; M.A., University of California at Berkeley;  
Ph.D., University of California at Berkeley
- Donald Maurice Drost, Ph.D. (1970) *Assistant Professor of Physics*  
B.S., M.S., Ph.D., Louisiana State University
- Robert J. Dukes, Jr., Ph.D. (1975) *Assistant Professor of Physics*  
B.S., University of Arizona; M.S., University of Texas at El Paso; Ph.D., University of Arizona
- R. Stewart Ellis, M.A. (1974) *Assistant Professor of Sociology and Anthropology*  
B.A., M.A., University of Oklahoma
- Tim Treadwell Ellis, Ph.D. (1974) *Assistant Professor of Biology*  
B.A., M.S., University of Louisville; Ph.D., University of Texas
- John Frederick Ettline, II, Ed. D. (1971) *Assistant Professor of Education*  
B.S., M.Ed., Shippensburg State College; Ed. D., University of Virginia
- Gary Conrad Faber, Ph.D. (1970) *Assistant Professor of Chemistry*  
B.S., Georgia State College; Ph.D., University of South Dakota
- Claretha Fennick, M.U.P. (1975) *Assistant Professor of Urban Studies*  
B.S., Tuskegee Institute; M.U.P., New York University
- Walter C. Ficklin, B.A. (1972) *Assistant Professor as Cataloger*  
B.A., Claremont Men's College
- Michael Martin Finefrock, A.M. (1974) *Assistant Professor of History*  
A.B., Brown University; A.M., Princeton University
- Paul C. Fisher, M.A. (1975) *Assistant Professor of German*  
B.A., University of Arizona; M.A., Rutgers

- John Fogarty, J.D., (1975) *Assistant Professor of Business Administration*  
B.A., University of South Florida; M.B.A., University of Arkansas; J.D.,  
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- Henry J. Folsie, Jr., Ph.D. (1975) *Visiting Professor of Philosophy*  
B.A., Harvard; M.A., Tulane University; Ph.D., Tulane University
- Kenneth H. Foote, M.B.A. (1973) *Assistant Professor of Business Administration*  
B.S., University of Colorado; M.B.A., Ohio State University
- Jeffrey A. Foster, Ph.D. (1975) *Assistant Professor of French*  
B.A., Brooklyn College; M.A., Hunter College; Ph.D., Rice Institute
- Robert Ray Foster, Ph.D. (1974) *Assistant Professor of Education*  
B.A., Wilmington College; M.R.E., Southwestern Baptist Theological  
Seminary; M.Ed., Ph.D., University of South Carolina
- Sister M. Anne Francis, Ph.D. (1967) *Associate Professor of History*  
B.S., Fordham University; M.A., College of the City of New York; Ph.D.,  
St. Louis University
- Harry Wyman Freeman, Ph.D. (1960) *Professor of Biology*  
B.S., College of Charleston; M.S., University of South Carolina; Ph.D.,  
Stanford University
- Robert Gernaldi, Ph.D. (1972) *Assistant Professor of Spanish*  
B.S., University of Tampa; M.A., Ph.D., University of South Carolina
- Gerald Wray Gibson, Ph.D. (1965) *Professor of Chemistry*  
B.A., Wofford College; Ph.D., University of Tennessee
- Clifford Leonard Gionet, Ph.D. (1974) *Assistant Professor of Economics*  
B.A., University of South Florida; M.A., Ph.D., University of Florida
- Richard N. Godsen, Ed. D. (1974) *Assistant Professor of Physical Education*  
B.S., M.Ed., Slippery Rock State College; D. Ed., University of Tennessee
- Dennis Goldsberry, Ph.D. (1972) *Assistant Professor of English*  
B.A., Utah State University; M.A., Ph.D., University of North Carolina
- William Lawrence Golightly, Ph.D. (1972) *Associate Professor of Mathematics*  
B.S., Louisiana Tech University; M.S., Texas A. & M. University; Ph.D.,  
Clemson University
- Owilender Kennedy Grant, M.A. (1972) *Assistant Professor of Mathematics*  
B.S., South Carolina State College; M.A., Teacher's College, Columbia  
University
- Kenneth Edward Griffith, M.A. (1974) *Assistant Professor of Sociology*  
B.S., Virginia Commonwealth
- George Edward Haborak, Ph.D. (1971) *Associate Professor of Mathematics*  
A.B., M.A., Boston College; M.A., Wayne State University; Ph.D.,  
Catholic University of America

- James William Hagy, Ph.D. (1969) *Associate Professor of History*  
A.B., King College; M.A., East Tennessee State University; Ph.D., University of Georgia
- David H. Hall, Ph.D. (1975) *Assistant Professor of Physics*  
B.S., Carnegie Mellon Institute; M.S., Carnegie Mellon University; Ph.D., Washington University
- William Halsey (1972) *Assistant Professor of Fine Arts*  
School of Boston Museum of Fine Arts
- Barbara Jean Hamilton, M.Ed. (1975) *Instructor in Physical Education*  
B.S., Bowling Green State University; M.Ed., Bowling Green State University
- John Andrew Hamilton, Ph.D. (1970) *Professor of French*  
A.B., M.A., University of South Carolina; M.A., Ph.D., Harvard University
- Rose Condon Hamm, M.S. (1975) *Instructor in Mathematics*  
B.S., College of Charleston; M.S., University of South Carolina
- Mary Kathleen Haney, M.A. (1974) *Instructor in English*  
B.A., St. Francis College; M.A., University of Dayton
- Joseph Morgan Harrison, Ph.D. (1970) *Assistant Professor of English*  
B.S., University of the South; M.A., Ph.D., University of Virginia
- Julian Ravenel Harrison, III, Ph.D. (1963) *Professor of Biology*  
B.S., College of Charleston; A.M., Duke University; Ph.D., University of Notre Dame
- Billy J. Hart, M.S. (1975) *Assistant Professor of Biology*  
B.S., Midwestern University; M.S., Midwestern University
- Joyce Brians Hathaway, M.Ed. (1974) *Instructor in Mathematics*  
B.S., Mississippi University for Women; M.Ed., Mississippi State University
- William Hugh Haynsworth, Ph.D. (1970) *Associate Professor of Mathematics*  
B.A., University of South Florida; M.S., Ph.D., University of Miami
- George Gyorgy Heltai, Dr. Rer. Pol. (1967) *Professor of History*  
State Exam (M.A.) Royal Protestant Academy of Law; Dr. Jur., Dr. Rer. Pol., University of Budapest
- Rebecca Barnes Herring, M.A. (1972) *Associate Professor of Business Administration*  
B.S., M.A., University of North Carolina at Greensboro
- Mary Sue Hetherington, Ph.D. (1973) *Assistant Professor of English*  
B.J., University of Missouri; M.Ed., M.A., University of Houston; Ph.D., University of Texas
- William Leroy Hills, Ph.D. (1973) *Assistant Professor of Physical Education*  
A.B., University of South Carolina; M.S., Ph.D., Florida State University
- Samuel Middleton Hines, Jr., M.A. (1973) *Assistant Professor of Political Science*  
A.B., Davidson College; M.A., Duke University
- Thomas Ellis Hodgkin, M.S. (1971) *Assistant Professor as Head Librarian*  
B.A., High Point College; M.S., University of North Carolina

- Paul Whitten Holmes, Ph.D. (1972) *Assistant Professor of Psychology*  
B.A., Southwestern College at Memphis; M.S., Ph.D., University of Mississippi
- Charles Stephen Little Hoover, M.A. (1972) *Assistant Professor of History*  
B.A., University of the South; M.A., Yale University
- Eugene Clayton Hunt, M.A. (1973) *Assistant Professor of English*  
B.A., Talladega College; M.A., Northwestern University
- Frank D. Hurdis, M.A. (1970) *Assistant Professor of Fine Arts*  
B.A.H., University of Virginia; M.A., Cornell University
- Anthony F. Janson, M.A. (1975) *Assistant Professor of Fine Arts*  
B.A., Columbia University; M.A., Institute of Fine Arts, New York University
- Danton L. Johnson, Ph.D. (1974) *Assistant Professor of Biology*  
B.S., Hamline University; M.S., Ph.D., University of Rhode Island
- Diane Chalmers Johnson, Ph.D. (1970) *Associate Professor of Fine Arts*  
B.A., Radcliffe College, Harvard University; M.A., Ph.D., Kansas University
- Jeffrey Lawson Laurence Johnson, Ph.D. (1971) *Assistant Professor of English*  
A.B., M.A., Ph.D., Florida State University
- Laylon Wayne Jordan, Ph.D. (1970) *Assistant Professor of History*  
B.A., Old Dominion College; M.A., College of William and Mary; Ph.D., University of Virginia
- Charles F. Kaiser, Ph.D. (1972) *Assistant Professor of Psychology*  
B.S., M.A., City College of the City University of New York; Ph.D., University of Houston
- Anna Katona, Ph.D. (1975) *Visiting Professor in English*  
M.A., University of Debrecen, Hungary; M.A., University of Budapest; Ph.D., University of Debrecen
- Michael Peter Katuna, Ph.D. (1974) *Assistant Professor of Geology*  
B.A., M.A., Queens College; Ph.D., University of North Carolina
- William H. Keeling, M.A. (1972) *Assistant Professor of Anthropology*  
B.A., M.A., University of Kentucky
- Paul B. Kelley, M.A. (1974) *Assistant Professor of Fine Arts*  
B.A., St. Michael's College; M.A., University of Connecticut; M.A., Syracuse University
- Katherine Fuller Kelly, Ph.D. (1973) *Assistant Professor of Biology*  
B.S., Newberry College; M.S., Clemson University; Ph.D., North Carolina State University
- Max Dee Kennedy, M.S. (1974) *Assistant Professor of Physical Education*  
B.S., University of Nebraska; M.S., University of Colorado
- William Frank Kinard, Ph.D. (1972) *Assistant Professor of Chemistry*  
B.S., Duke University; Ph.D., University of South Carolina
- Paul Albert Klevgard, Ph.D. (1971) *Associate Professor of History*  
B.S., University of Wisconsin; M.A., Ph.D., Northwestern University

- Earl Oliver Kline, Ph.D. (1970) *Professor of Political Science*  
A.B., College of William and Mary; M.A., Vanderbilt University; M.A.,  
Ph.D., Princeton University
- Peter G. Knudsvig, Ph.D. (1975) *Assistant Professor of Fine Arts*  
B.M., Concordia College; M.M., Catholic University of America; Ph.D.,  
Catholic University of America
- Suzanne Knudsvig, M.A. (1975) *Assistant Professor as Assistant Reference Librarian*  
B.A., Carroll College; M.A.L.S., Rosary College; M.A., George Mason University
- Christopher C. Koenig, Ph.D. (1975) *Assistant Professor of Biology*  
B.S., Florida Atlantic University; M.S., Florida Atlantic University; Ph.D.,  
Florida State University
- William Richard Kubinec, Ph.D. (1974) *Assistant Professor of Physics*  
B.E.S., Cleveland State University; Ph.D., Case Western Reserve University
- David P. Lawrence, Ph.D. (1975) *Assistant Professor of Geology*  
B.S., Beloit College; M.S., University of Washington; Ph.D., State University of New York
- Andrew H. Lewis, M.S. (1974) *Assistant Professor of Physical Education*  
B.S., Albany State College; M.S., University of Tennessee
- Marvin J. Light, M.A.L.S. (1973) *Assistant Professor for Learning Resources*  
B.A., Columbia College; M.A.L.S., Rosary College
- Carl James Likes, Ph.D. (1958) *Professor of Chemistry*  
B.S., College of Charleston; Ph.D., University of Virginia
- William Alfred Lindstrom, Ph.D. (1973) *Assistant Professor of Physics*  
B.S., Auburn University; M.S., Ph.D., Clemson University
- David Thomas Livingston, III, M.B.A. (1974) *Assistant Professor of Business Administration*  
B.S., U. S. Coast Guard Academy; M.B.A., University of South Carolina
- Martha Lott, M.L.S. (1973) *Assistant Professor as Reference Librarian*  
B.A., M.L.S., University of South Carolina
- Leo J. Manske, M.F.A. (1975) *Assistant Professor of Fine Arts*  
B.F.A., Temple University; M.F.A., Temple University
- Michael M. Marcel, M.A. (1975) *Instructor in Psychology*  
B.A., Centenary College; M.A., Vanderbilt University
- Elizabeth McKeown Martin, M.S. (1975) *Instructor in Chemistry*  
B.S., Winthrop College; M.A.T., Duke University; M.S., Georgia State
- Charles Edward Matthews, Ph.D. (1974) *Associate Professor of Education*  
B.A., Wake Forest University; M.A., East Carolina University; Ph.D.,  
University of North Carolina
- Peter McCandless, Ph.D. (1974) *Assistant Professor of History*  
B.A., University of Illinois; M.A., Ph.D., University of Wisconsin
- Jill E. McGovern, Ph.D. (1975) *Assistant Professor of Education*  
B.A., Northwestern University; M.A., Xavier University; Ph.D., University of New Orleans



- Katherine McIntosh, M.Ed. (1975) *Assistant Professor of Education*  
B.A., Columbia College; M.Ed., University of South Carolina
- Georgette C. McKenzie, M.Ed. (1975) *Assistant Professor of Education*  
B.A., Claflin College; M.Ed., College of Charleston
- Rosa Mae Means, M.S. (1974) *Assistant Professor of French*  
B.A., North Carolina Central University; M.A., University of North Carolina
- Robert H. Mende, Ed.D. (1973) *Assistant Professor of Education*  
B.S., New York University; M.Ed., Ed.D., University of Virginia
- Glen Kenton Merrill, Ph.D. (1974) *Assistant Professor of Geology*  
B.S., Ohio University; M.A., University of Texas; Ph.D., Louisiana State University
- John Ney Michel, M.F.A. (1973) *Assistant Professor of Fine Arts*  
B.F.A., Atlanta School of Art; M.F.A., Temple University
- Henry Miller, Jr., Ph.D. (1947) *Professor of French*  
B.A., Furman University; M.A., University of Virginia; Ph.D., Columbia University
- Sheila Faye Miller, M.A. (1974) *Instructor in Psychology*  
B.A., Furman University; M.A., University of Dayton
- Laney Ray Mills, Ph.D. (1971) *Assistant Professor of Physics*  
B.S., Southwestern University; M.S., Ph.D., Louisiana State University
- John I. Moore, Ph.D. (1975) *Assistant Professor of Mathematics*  
B.S., The Citadel; M.A., University of South Carolina; Ph.D., University of South Carolina
- Shirley L. Moore, M.A. (1974) *Instructor in English*  
B.A., Georgetown College; M.A., North Carolina State University
- Suzanne S. Moore, M.A. (1973) *Assistant Professor of Spanish*  
B.A., Southern Illinois University; M.A., University of Kentucky
- William Vincent Moore, Ph.D. (1972) *Assistant Professor of Political Science*  
B.A., M.A., Southern Illinois University; Ph.D., Tulane University
- Gwenda Morgan, M.A. (1973) *Assistant Professor of History*  
B.A., M.Ph., University of Southampton; M.A., College of William and Mary
- Pamela Morgan, M.L.S. (1972) *Serials-Documents Librarian*  
B.A., North Carolina
- Nan Dansby Morrison, Ph.D. (1967) *Associate Professor of English*  
B.A., Troy State College; M.A., Ph.D., University of South Carolina
- James Earl Norman, M.A. (1974) *Assistant Professor of Spanish*  
B.A., Southern Oregon College; M.A., Howard University
- Robert M. Norton, Ph.D. (1974) *Assistant Professor of Mathematics*  
B.S., Northeast Missouri State University; M.S., Ph.D., Oklahoma State University
- Norman la Cour Olsen, Jr., Ph.D. (1972) *Professor of English*  
B.A., Dartmouth College; M.A., Ph.D., Duke University

- Willard Lawrence Oplinger, D.M.A. (1971) *Associate Professor of Music*  
B.A., Oberlin College; B.M.E., Oberlin Conservatory of Music; M.M.,  
University of Arkansas; D.M.A., West Virginia University
- Ire Adams Page, Ph.D. (1975) *Assistant Professor of Education*  
B.S., South Carolina State College; M.Ed., South Carolina State College;  
Ph.D., University of Illinois
- Thomas Alfred Palmer, Ph.D. (1970) *Associate Professor of Political Science*  
B.A., The College of William and Mary; M.A., The American University;  
Ph.D., University of South Carolina
- Andrée Cochelin-Parrott, Diplome d'Etudes Superieures-Lettres (1967) *As-  
sociate Professor of French*  
Baccalaureat-Philosophie, Licence-es-lettres, Diplome d'Etudes  
Superieures, Universite d'Alger; Diplome, Ecole Libre des Sciences  
Politiques et Administratives, Paris.
- Thomas Harry Patterson, M.L.S. (1972) *Assistant Professor as Reference  
Librarian*  
B.A., St. Andrews Presbyterian College; M.A., M.L.S., University of  
Pittsburgh
- Linda Sue Pearson, M.A. (1974) *Instructor in Sociology*  
B.A., Western Carolina University; M.A., University of Tennessee
- Maggie Thurman Pennington, Ph.D. (1963) *Professor of Biology*  
B.S., Radford College; M.S., Ph.D., University of Virginia
- McKenzie Allen Perry, Jr., J.D. (1974) *Assistant Professor of Business Ad-  
ministration*  
B.A., M.B.A., University of South Carolina; J.D., Emory University School  
of Law
- Joseph A. Petrick, Ph.D. (1972) *Assistant Professor of Philosophy*  
B.A., Southern Colorado State College; M.A., Ph.D., Pennsylvania State  
University
- Frank Petrusak, Ph.D. (1971) *Associate Professor of Political Science*  
B.A., M.A., Northwestern University; M.A., Ph.D., Tulane University
- Mary Kathleen Pilcher, M.S. (1971) *Associate Professor*  
A.B., M.S., Florida State University
- Sandra Mary Powers, M.S. (1974) *Instructor in Mathematics*  
A.B., Notre Dame College; M.S., Michigan State University
- Susan Prazak, M.A. (1972) *Associate Professor of Mathematics*  
B.A., N.Y.U.; M.A., Hunter College
- Olgerts Puravs, Ph.D. (1974) *Assistant Professor of English*  
B.S., Ph.D., University of Michigan
- Emmett Robinson, M.F.A. (1972) *Professor of Fine Arts*  
M.F.A., Yale University
- James Vaiden Robinson, Jr., Ph.D. (1970) *Associate Professor of Psychol-  
ogy*  
B.S., University of Southern Mississippi; M.A., Ph.D., University of Mis-  
sissippi

- Robert W. Rouse, Ph.D. (1975) *Assistant Professor of Business Administration*  
B.A., Furman University; M.B.A., Emory University; Ph.D., University of South Carolina
- Peter John Rowe, Ph.D. (1971) *Assistant Professor of Psychology*  
A.A., Manatee Junior College; A.B., University of South Florida; M.Ed., Ph.D., University of Georgia
- Martha Whicker Runey, Ph.D. (1974) *Assistant Professor of Biology*  
A.B., Catawba College; M.A., Wake Forest University; Ph.D., University of South Carolina
- Gloriana Strange St. Clair, Ph.D. (1971) *Assistant Professor of English*  
B.A., University of Oklahoma; M.L.S., University of California; Ph.D., University of Oklahoma
- Carole Petit Sessoms, M.A. (1973) *Instructor in English*  
B.A., Columbia College; M.A., University of North Carolina
- Richard G. Shainwald, Ph.D. (1973) *Assistant Professor of Business Administration*  
B.S., Northeastern University; M.B.A., Stetson University; Ph.D., University of Georgia
- Jack Warren Simmons, Ph.D. (1973) *Assistant Professor of Psychology*  
B.A., University of the South; Ph.D., University of Tennessee
- Lawrence Joseph Simms, Ph.D. (1971) *Assistant Professor of Classics*  
A.B., Catholic University of America; M.A., Ph.D., University of North Carolina
- James Watson Smiley, Ph.D. (1971) *Associate Professor of Biology*  
B.S., M.S., Ph.D., University of South Carolina
- Louise Mosimann Smith, M.A. (1974) *Assistant Professor of Education*  
A.B., College of Charleston; M.A., University of Alabama
- Simeon Mozart Smith, Jr., Ph.D. (1969) *Assistant Professor of English*  
B.S., United States Military Academy; M.A., Ph.D., University of Pennsylvania
- James F. Snyder, Ph.D. (1975) *Assistant Professor Business Administration*  
B.S., Bloomsburg State College; M.Ed., Bloomsburg State College; Ph.D., University of Georgia
- Charles Edgar Staats, Jr., M.F.A. (1972) *Assistant Professor of Fine Arts*  
B.A., Harvard University; M.F.A., Boston University
- Jeanne L. Stamm, M.Ed. (1973) *Assistant Professor of Education*  
B.A., Juanita College; M.Ed., Pennsylvania State University
- Neal Steven Steinert, Ph.D. (1972) *Assistant Professor of Political Science*  
B.A., University of Virginia; M.A., University of South Carolina; Ph.D., Emory University
- Harold A. Swigart, Ed.D. (1974) *Assistant Professor of Education*  
B.S., Bloomsburg State College; M.Ed., Ed.D., Pennsylvania State University
- Richard Gregory Syracuse, M.S. (1974) *Assistant Professor as Cataloger*  
B.A., Stonehill College; M.S., Simmons College

- Eleanor Tawfik, M.A. (1973) *Assistant Professor of French*  
B.A., Goucher College; M.A., Columbia University; License, Sorbonne
- Thomas Asa Tenney, Ph.D. (1970) *Assistant Professor of English*  
A.B., University of South Carolina; M.A., Columbia University; Ph.D.,  
University of Pennsylvania
- Randall S. Thompson, M.M. (1974) *Assistant Professor of Fine Arts*  
B.M., M.M., University of Maryland
- William Harvey Thompson, M.S. (1973) *Instructor in Chemistry*  
B.S., North Carolina Wesleyan College; M.S., Georgia State University
- Robert S. Tournier, Ph.D. (1972) *Associate Professor of Sociology*  
B.A., McMurray College; Ph.D., Tulane University
- Edward Emerson Towell, Ph.D. (1943) *Professor of Chemistry*  
B.S., College of Charleston; Ph.D., University of North Carolina
- Jung-fang Tsai, M.A. (1973) *Assistant Professor of History*  
B.A., Tunghai University; M.A., University of Maryland
- James C. Turner, Ph.D. (1975) *Assistant Professor of History*  
B.A., Harvard; M.A., Harvard; Ph.D., Harvard
- Fleming Greene Vinson, Ph.D. (1973) *Associate Professor of Spanish*  
B.A., M.A., University of Georgia; Ph.D., University of North Carolina
- Edwin M. Walker, M.A. (1973) *Assistant Professor of Sociology*  
B.E.E., Rensselaer Polytechnic Institute; M.S.E.E., Georgia Institute of  
Technology; M.Div., Virginia Theological Seminary; M.A., Vanderbilt  
University.
- Frances Day Wardlaw, M.A. (1974) *Assistant Professor of Spanish*  
B.A., College of Wooster; M.A., University of Illinois
- James Fred Watts, Ph.D. (1970) *Associate Professor of Physics*  
B.S., University of Richmond; M.A., Wake Forest College; Ph.D., Virginia  
Polytechnic Institute
- Brian J. Wesselink, Ph.D. (1973) *Assistant Professor of Mathematics*  
B.A., Central College; Ph.D., Florida State University
- Kenneth Leroy Wiggins, Ph.D. (1974) *Assistant Professor of Mathematics*  
B.A., Walla Walla College; M.S., Ph.D., Montana State University
- James William Wilson, M.A. (1973) *Assistant Professor of Classics*  
B.A., Geneva College; M.A., University of North Carolina
- Aileen Marie Wojtal, M.S. (1974) *Instructor in Geology*  
B.A., University of New York at Buffalo; M.S., Indiana University
- George K. Wood, Ph.D. (1975) *Assistant Professor of Physical Education*  
B.A., University of Richmond; M.A.T., University of North Carolina; Ph.D.,  
University of Maryland
- Peter Harold Yaun, Ed.D. (1973) *Assistant Professor of Education*  
A.B., Stetson University; M.S., State University of New York, Brockport;  
Ed. D., Baylor University

## ADMISSION

The College of Charleston is an equal educational opportunity institution, and, in keeping with this policy, makes no distinction in the admission of students or in any other of its activities, on the basis of race, color, sex, creed or national origin.

### When to Apply:

The College will consider applications until all classes have been filled, or, in the cases of dormitory students, until there is no longer room to accommodate the student. However, all applicants are encouraged to apply early in the year prior to their intended enrollment. Those students who wish to enroll in September are encouraged to apply by June. The student who wishes to enroll in January is encouraged to apply by December 1.

### Specific Items Necessary to Complete an Application:

#### Freshman Admission

- a. A completed application for admission
- b. Application Processing Fee of \$20 (non-refundable)
- c. Transcript of work completed in secondary school
- d. Scholastic Aptitude Test scores
- e. Any additional items requested in the application materials by the Office of Admissions

#### Transfer Admissions

- a. A completed application for admission
- b. Application Processing Fee of \$20 (non-refundable)
- c. Transcript from each college attended, including summer school
- d. The applicant who has not completed, at the time the application is submitted, a minimum of 30 semester hours, will be required also to submit a transcript of his secondary school courses and the results of the Scholastic Aptitude Test.
- e. Any additional items requested in the application materials by the Office of Admissions.

#### Non-degree (Special Students)

- a. A completed application for admission
- b. Application Processing Fee of \$20 (non-refundable)
- c. A transcript from each college attended, including summer school
- d. A transcript of work completed in secondary school, in the event that the applicant has not attended college.
- e. Any additional items requested in the application materials or by the Office of Admissions

**Applications and Further Information:**

Requests for applications and further information should be directed to:

Office of Admissions  
College of Charleston  
Charleston, South Carolina 29401

**Scholastic Aptitude Tests**

All applicants for admission to the College as Freshmen are required to have taken the Scholastic Aptitude Test. The applicant makes arrangements to take these tests through his high school principal or guidance counselor, or by writing directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540. In reply, the College Entrance Examination Board will send the necessary application forms and its bulletin containing information on the general nature of the tests, the dates on which the tests are given, the centers where they may be taken, and the fees required. The applicant must request that the results of the tests be sent to the College of Charleston. Generally speaking, about four weeks are required for the scores to reach the Admissions Office, and the Admissions Committee can make no decision until it has received them. The applicant should keep these facts in mind when he is selecting a date on which to take the tests.

**Application Processing Fee**

An application processing fee of \$20.00 must accompany all applications for admission. The application fee covers the cost of processing the application and is not refundable.

**Transfer Credits**

The transcript of the applicant seeking admission by transfer is evaluated in accordance with the regulations set forth below, and the acceptance of transfer credits as valid toward a College of Charleston degree will be governed by these regulations.

Credit is normally allowed for recognized liberal arts subjects taken in an institution which has been accorded accreditation by the Southern Association of Colleges and Schools or by a regional accrediting body of similar rank. Credit may be allowed provisionally when the applicant has attended an unaccredited institution, with ultimate validation being contingent upon the demonstration of satisfactory performance at the College of Charleston in subjects in continuation of or at advanced levels of the work taken at the institution previously attended. Courses taken more than seven years prior to the expected date of enrollment in the College of Charleston will be

reviewed by the Faculty Academic Standards Committee. The acceptance of credits for such courses can be granted only after the completion of 15 semester hours at the College of Charleston with the approval of the Committee. It is the student's responsibility to petition the Committee for the acceptance of the credits.

In any case, credit can be granted only for work in which the recorded grade is at least a "C" or its equivalent.

Since the College of Charleston does not employ a "Pass-Fail" system of grading, credit by transfer cannot be awarded for work so graded at another institution.

### **Admission to Advanced Standing**

Class standing (that is, rank of sophomore, junior, or senior, as the case may be) is determined by the number and quality of credits accepted for transfer. In any event, the maximum number of credits acceptable by transfer toward a College of Charleston degree is 92 semester hours. The senior year of work for the degree must be done in residence at the College of Charleston.

These regulations do not apply to candidates for the degree of Bachelor of Science with Dentistry, Bachelor of Science with Medicine, the Six Year Integrated Medical Program or the degree of Bachelor of Science with Medical Technology. These are specialized degrees of the College and require that all of the work for these degrees be done in residence at the College of Charleston.

### **College Entrance Examination Board Advanced Placement Examinations**

The Advanced Placement program of the College Entrance Examination Board is accepted at the College. Having taken college-level courses in secondary school and having performed well on Advanced Placement Examinations, the candidate may be granted advanced placement and college credit in some instances.

### **Admission with Credit by College Level Examination Program**

The College will accept for credit and placement the following of CLEP examinations:

American Government  
American History  
American Literature  
Calculus with Analytic Geometry  
College Algebra  
Geology

Human Growth and Development  
Introduction to Business Management  
Introductory Accounting  
Introductory Business Law  
Introductory Macroeconomics

Computers & Data Processing  
 Elementary Computer  
 Programming-Fortran IV  
 English Composition  
 English Literature  
 General Chemistry  
 General Psychology

Introductory Microeconomics  
 Introductory Marketing  
 Introductory Sociology  
 Money and Banking  
 Statistics  
 Trigonometry  
 Western Civilization

1. The passing grade for each examination will be the score recommended for credit by the National Council on College Level Examinations.
2. The department concerned, after evaluating the essay examination, may require that the student satisfactorily complete as much as two semesters of advanced work in the department before CLEP credit is granted.
3. When credit is given, the student's record will show that credit comes from CLEP examination.

The General Examinations may not be taken for credit.

Further information regarding CLEP can be secured by writing to the Director of Counselling.

## ADMISSION POLICY

### Freshmen

Applicants for admission who have not previously attended college will have their secondary school record and Scholastic Aptitude Test scores carefully reviewed and evaluated.

The policy which will determine all admissions decisions will be that which has been recommended by the Faculty Advisory Committee on Admissions and approved by the State College Board of Trustees.

This approved policy requires one of three possible decisions. First, applicants who have a satisfactory school record and test scores will immediately be accepted for admission.

Second, applicants whose record and test scores do not meet the minimum standard for admission will be denied admission.

Third, students whose records are above the minimum standard for admission but are not sufficiently high to warrant immediate admissions will be offered the opportunity to attend the College of Charleston summer school or evening school. Upon completion of six semester hours, applicants who earn a minimum cumulative grade point average of 2.0 will then be admitted to the College. Applicants to whom this option is offered will be told which courses may be used to meet the conditions of this option.



**Transfers**

Applicants for transfer admission will be accepted for admission if:

They have a minimum of nine semester hours of transfer credit for each semester of college work completed.

Summer school credits will be treated as part of the previous semester's work. In no case will summer school be treated as a separate semester.

For purpose of evaluating transfer students who have not attended college on a full-time basis, each 15 semester hours attempted will be considered an equivalent of one semester. The above mentioned rules will be applied to these students.

**Re-admission**

Applicants for re-admission will have their application, previous college record and supporting credentials carefully evaluated.

Students who have left the College in good standing will automatically be readmitted upon application to the Admissions Office. All other students who have left the College must apply to the Admissions Office and have their records reviewed by the Registrar to make a determination as to the likelihood of the student's being able to meet graduation standards in a reasonable period of time. Students whose records indicate that they cannot meet these standards will be denied admission.

**Non-degree Students**

Applicants for admission as non-degree students who have previously attended college will be accepted if they meet the standard for admission established for transfer students or if they have earned their bachelors degree.

Applicants for admission as non-degree students who have not previously attended college will be accepted for admission if they meet the admissions standards set for freshman applicants. Applicants who have not completed secondary school must meet the conditions established for persons who submit the results of the GED in lieu of a high school transcript.

**General Education Development Test (GED)**

The results of the General Education Development Test (GED) will be used for freshman admissions in lieu of the previously stated policy governing freshman admission only when the applicant has discontinued his formal education (secondary school) for a period of not less than two years prior to intended enrollment at the College of Charleston. The acceptable minimum score for an applicant to gain admission based upon the results of this GED will be that score for

awarding an equivalent secondary school diploma in the state in which the test was taken. Applicants for admission who submit the GED in lieu of a high school record must also submit a transcript of secondary school work attempted and the results of the Scholastic Aptitude Test.

### **Advance Tuition Fee**

New applicants will be notified in their letter of acceptance of the date on which the Advance Tuition Fee of \$50.00 is due. The amount will be refunded should the new student indicate before May 1, that he will not enroll at the College. This fee will be credited to the regular fees of the student who is accepted for admission and enrolls at the College.

### **Room Reservation Fee**

All new students will be notified in the acceptance letter concerning payment of the required \$100.00 Advance Room Fee.

### **Registration and Enrollment**

All students, whether they are entering the College for the first time or were enrolled in a previous session, must register at the beginning of each semester. The dates of registration for each semester are listed in the College Calendar, as are the dates for each semester past which a course may not be dropped except with a penalty. A fee of \$25.00 is assessed for late registration.

### **Physical Examination**

All students accepted for admission must submit a satisfactory Health and Immunization Record.

### **Visits to the College**

The College encourages high school and college students to visit the campus. A definite appointment, while not required, is helpful in making the visit more beneficial to the student. Appointments should be made through the Office of Admissions.

## FEES AND EXPENSES

As a state supported institution, tuition and fees are dependent upon appropriations granted by the South Carolina General Assembly. Accordingly, the fees charged by the College of Charleston will be directly affected by the action of the legislature and are therefore subject to change without notice.

All fees are due and payable in full before or during the official registration. Checks for the exact amount of charges should be made payable to the College of Charleston.

The following fees apply to each semester:

	<i>Resident</i>	<i>Non-Resident</i>
For Nine Hours or more		
Tuition & Fees	\$250.00	\$700.00
For Eight Hours or less		
Course Fee (per semester hr.)	\$ 30.00	\$ 30.00

Note: For students needing financial assistance see the section "Scholarships and Loan Funds".

*Resident*—A student shall be considered a resident of the state of South Carolina if his parents or persons acting in a bona fide *in loco parentis* status are legal residents of the state in accordance with legislation of the General Assembly of the State of South Carolina.

A Full-time Student is defined academically as a student enrolled for 12 or more semester hours.

### Advance Room Deposit:

Advance Payment \$100.00

Returning students due by March 5, 1976; new students due as indicated in letter of admissions.

	<i>Per Semester</i>	<i>Per Year</i>
<b>Housing and Cafeteria Fees:</b>		
Room Fee (all residences)	\$325.00	\$650.00
Meal Plans—Three-A-Day Plan*	375.00	750.00
One-A-Day Plan	190.00	380.00

An additional \$50.00 per semester will be charged for designated private rooms when available. All rooms are furnished including air conditioning and carpets.

\*Three meals will be provided Monday through Friday, and two meals will be provided on Saturday and Sunday, a regular dinner and a light supper.

**Special Charges:**

Application Fee	\$20.00
Diploma and Graduation	20.00
Duplicate Identification Card	2.00
Late Registration Fee	25.00
Change of Schedule Fee, for each change	3.00
Motor Vehicle Registration (per semester)	30.00
Transcripts (four transcripts free of charge)	
each additional	3.00
Returned Check Fee	10.00
Student Health & Accident Insurance	
optional (for 12 months—Estimated Fee)	27.00*
Registration for Instruction in Piano	60.00
Laboratory Fee	15.00

\*Required of all Dormitory Residents unless proof of other coverage is furnished.

Diplomas and transcripts of work at the College are not issued until all college accounts are paid in full.

The College assumes no responsibility for loss due to fire, theft, or any other cause.

**Transcript Charge:**

One transcript of a student's record will be issued free of charge. Additional copies (one to three on the same order) may be secured at \$3.00. Copies over three on the same order will be \$.50 each. Checks or money orders should be made payable to the College of Charleston. No transcript is issued for the student whose account is in arrears either with the Office of the Registrar or with the Business Office. A student's record can be released by the Registrar only upon the specific request of the student. This request must be made in writing at least two weeks in advance of the date on which the transcript is desired.

**Refunds—Fall and Spring Semester Fees.**

Refunds may be authorized for valid reasons. The refund schedule is as follows:

*Tuition and Fees:*

Up to one week after classes begin	75%
Up to two weeks after classes begin	50%
No refund after second week of classes	

*Room Fees:*

There is no refund for room fees.

*Meals:*

Same schedule as tuition and fees applies to meals.

The \$100.00 room deposit is non-refundable.

The college makes no reduction in costs because of temporary absence during the year.

**General Regulations:**

Parents and guardians accept all conditions of payment and regulations upon the student's acceptance for admission.

Each student is liable for any breakage and damage to rooms and furnishings.

All students are provided with a copy of all rules and regulations of the college and each student is expected to conform with the letter and spirit of these rules developed by the Student Government and approved by the administration.

**SCHOLARSHIPS AND LOAN FUNDS**

The College of Charleston and the College of Charleston Foundation make every effort within the limitations of their available resources to assure that no qualified student will be denied an opportunity to attend the College because of a lack of adequate funds. Early application is encouraged.

**THE COLLEGE OF CHARLESTON  
FOUNDATION PROGRAMS  
FOR INCOMING FRESHMAN**

The application for admission constitutes the application for the awards listed below. An additional financial application is not needed unless the student is applying for additional assistance, or for other programs.

### **The Foundation Scholarships**

A minimum of eighteen 4-year full-tuition scholarships are awarded each year to South Carolina high school students who possess an academic record of superior quality, and who show promise of distinguished study at the College. The awards are renewed each year as the student continues to meet the requirements set by the Scholarship Committee.

Winners are selected from applicants for admission who complete their applications by January 15 for the following academic year.

### **Distinguished Achievement Awards**

These full-tuition scholarships are awarded for the first year of College study to first and second honor graduates of South Carolina high schools and other high school graduates selected each year by the Scholarship Committee.

### **Academic Achievement Awards**

These half-tuition scholarships for the first year of College study are awarded to high school students whose academic work has been outstanding. Selections are recommended by the Scholarship Committee.

## **FOR CONTINUING STUDENTS**

The following awards are made annually to students who have completed a year or more of study at the College. No application is necessary.

### **The Presidential Scholarships**

Each year six full-tuition scholarships are awarded to the two top-ranking students completing the freshman, sophomore, and junior classes, provided they do not hold Foundation Scholarships.

### **Distinguished Honors Awards**

Distinguished Honors awards are scholarships given annually based on an academic year of study at the College, and who have demonstrated superior scholastic achievement.

### **College Honors Awards**

These scholarships are awarded annually to students based on an academic year of study at the College, and who have maintained an outstanding academic record.

### The Endowed Scholarships

*Minnie L. Barnett (1926)*. Established by Mrs. Minnie L. Barnett, from Sumter, S. C. First preference is given to women students.

*Charleston Central P. T. A.* Established to provide financial assistance for a deserving student at the College of Charleston.

*College of Charleston (1957)*. Income from the combined endowments of the Edward R. Miles Scholarship (1899), the Asher D. Cohen Scholarship (1905), the A. C. Kaufman Scholarship (1918), and the David Sternberger Scholarship (1931).

*Carolina DeFabritiis (1969)*. By bequest of the late Carolina DeFabritiis Holmes. First preference is given to students majoring in Romance Languages or Fine Arts.

*Robert McCormick Figg Americanism Scholarship (1973)*. Established by U. S. Senator Strom Thurmond, advisor to the John P. Gaty Charitable Trust. Awarded annually to needy and worthy students, based on an essay on Americanism, the specific topic of which is announced prior to January 1. Applications must be submitted by February 1, and manuscripts must be submitted by April 1 of the academic year.

*William Heyward Grimbball, Jr. (1925)*. Established by the late Charlotte B. Grimbball and Gabrielle M. Grimbball, as a memorial to their father. William H. Grimbball attended the College of Charleston, and was valedictorian of the class of 1857.

*Lancelot M. Harris (1956)*. Established by Harry Simonhoff '17, as a memorial to Lancelot Minor Harris, Professor of English at the College of Charleston, 1898-1941.

*B. A. Hagood-South Carolina Electric and Gas Company Scholarship Fund (1971)*. Priority for this scholarship is to be given to sons or daughters of any employee, active or retired, of the South Carolina Electric and Gas Company. In the event there is no such applicant, the scholarship shall be awarded to a deserving student from the Berkeley, Charleston or Dorchester Counties.

*Haymaker Fellowship in German (1960)*. Given by Mr. Richard E. Haymaker as a memorial to his mother. Mrs. Emma Vogelgesang Haymaker.

*Alexander Baron Holmes (1969)*. By bequest of the late Carolina DeFabritiis Holmes. This scholarship is given in memory of her husband, the late Alexander Baron Holmes, and his grandfather, Professor Francis S. Holmes. First preference is given to a student majoring in science.

*Samuel Lapham (1925)*. Established by the Charleston Lodge of the Benevolent and Protective Order of Elks in honor of the late Samuel Lapham, First Exalted Ruler of Charleston Lodge No. 242.

*Julian F. Nohrden*. Given by the Parent-Teachers' Association of

the Julian Mitchell School in memory of the late J. F. Nohrden, former principal of the Mitchell School.

*O'Neill (1908)*. Established by Michael C. O'Neill, as a memorial to his three nephews, Dennis O'Neill, Michael O'Neill, and Daniel O'Neill.

*Mrs. James H. Parker (1936)*. The New York Chapter of the United Daughters of the Confederacy in honor of Mrs. James H. Parker. For women students.

*Rosalie Raymond (1967)*. By bequest of the late Mrs. Rosalie Raymond White. For native South Carolinians.

*Helen Schachte Riley, Class of 1936, Scholarship (1973)*. Established by Mrs. Helen Schachte Riley to provide assistance, annually, to a deserving student of the College of Charleston. First preference is given to students planning to major in Biology or any one of the sciences.

*Margaret and Mendel Rivers (1971)*. Established by friends in the honor of Margaret and Mendel Rivers, for students residing in the First Congressional District of South Carolina.

*Harold Simmons*. Established as a memorial to Harold Simmons by his family. First preference is given to students from Charleston County.

*J. Adger Smyth (1945)*. By bequest of the late Mrs. J. Adger Smyth, as a memorial to her husband. Mr. Smyth was a graduate of the College, and mayor of the City of Charleston. First preference is given to a male South Carolinian.

*S. S. Solomons (1957)*. By bequest of the late Mrs. Zipporah Solomons. For Jewish students.

*South Carolina Society (1954)*. Given by the South Carolina Society, for a deserving student at the College of Charleston in need of financial assistance.

*Thomlinson Scholarship (1931)*. Established by Edwin S. Thomlinson. This scholarship is based on academic merit and financial need.

*Dorothy Drake Ulmo (1967)*. Established by Col. H. W. Ulmo as a memorial to his wife. For women students.

*May A. Waring (1960)*. A scholarship fund established by Mrs. Katherine Waring Whipple as a memorial to her sister, May A. Waring.

*Whaley (1957)*. By bequest of the late Mrs. Grace W. Whaley. First preference is given to Protestant men.

### **Designated Annual Scholarships**

*Marion B. Byrd Memorial Scholarship*. Established in 1974 by Mrs. Suzanne W. Byrd, Professor of Modern Languages at the College of Charleston, in memory of her husband Mr. Marion Byrd. The



purpose of this fund is to provide, annually, tuition and fees for a deserving student who otherwise might not be able to continue his or her education at the College.

*South Carolina Electric and Gas Company Scholarship.* Donated annually by the South Carolina Electric and Gas Company, for a College of Charleston student who needs financial assistance towards achieving an education. The student must be in the upper one-third of the class scholastically, and must demonstrate outstanding leadership qualities. The parents or guardians of the recipient must be customers of SCE&G, or of the Department of Utilities of Orangeburg, Winnsboro, or McCormick.

*Arthur Stern, Jr., Scholarship.* Established by the family and friends of Arthur Stern, Jr., a successful scholar and businessman. The purpose of the fund is to provide educational opportunities for worthy students.

*Judge J. Waties and Elizabeth A. Waring Scholarship.* This scholarship is given in memory of Judge J. Waties Waring and Mrs. Waring by Mrs. Waring's daughter and son, Mrs. Simeon Hyde, Jr., and David N. Mills. The award was established for a male student from Charleston County. It is renewable for four years of undergraduate study and subject to satisfactory academic performance.

*James Ernest Westbury Scholarship.* Donated annually by Mrs. Lindsey Wortham Hale, of Charleston. This fund was established as a memorial to her father, James Ernest Westbury, who was a veteran of service in France during World War II. Priority in awarding this scholarship is given to a veteran student, either male or female, in need of financial assistance.

*The Katherine Walsh Award in English* is presented annually to the senior English major, graduating in December or in May, with the highest record in English courses taken at the College of Charleston.

Awards donated by industries, civic clubs, and other groups, such as: Georgetown Steel Corporation, the March of Dimes, the College of Charleston Alumni Association, Charleston Exchange Club, the Mine Force Officers' Wives' Club, and the Zeta Tau Alpha and Tri Delta Fraternities are often available.

Students should explore the possibility for awards in their hometowns. Many of these are frequently overlooked and go unclaimed.

### **FEDERALLY FUNDED FINANCIAL AID PROGRAMS**

All the following programs are based on financial need.

Students who wish to apply for assistance other than the scholarships program, or in addition to it, such as

College Work-Study Program  
National Direct Student Loans  
Basic Educational Opportunity Grants

should write for an application and description of the currently-offered programs to the Director of Financial Assistance.

These forms of financial aid require the submission of a standard need-analysis statement (such as the Parents' Confidential Statement). This "PCS" may be obtained from high school guidance counsellors or from the College of Charleston upon request.

Assistance from these programs is available to eligible students who have been and/or will be accepted for admission (or are currently enrolled) for a program of at least six months duration.

A new application and new PCS must be submitted each year for which aid is requested.

The College supplies, also, the application form for the Basic Grant Program (BEOG) with which the student applies for an educational grant directly to the government.

*Federal Insured Student Loan Program:* Applications available from the S. C. Student Loan Corporation, Dutch Plaza, Suite 233, 800 Dutch Sq. Blvd., Columbia, S. C. 29210, and from the College. Students who are not eligible for basic grants should consider this program.

### **Veteran's Benefits**

Certain armed forces veterans and descendants who qualify with the Veterans Administration are eligible to receive educational assistance on a monthly basis. Information and applications are obtainable from the V. A. Regional Office, 1801 Assembly Street, Columbia, S. C., or from the College of Charleston, Veterans' Affairs Office.

### **Other Loan Funds**

Available to students are certain sums especially marked by the donors for use as short-term loan funds. Among the funds made available for loans are: the Bernard M. Baruch Loan Fund (established in 1939); Charleston Chi Omega Fraternity members (1939); Speissegger Loan Fund in memory of W. S. Speissegger (1949); Memminger High School Loan Fund for graduates of Charleston public high school (1950); and St. Andrews Citizens' Committee for Education Loan Fund for graduates of St. Andrews High School (1959).

### **Graduate Scholarships**

In general, students planning to study for graduate degrees in the U. S. in subjects covered by the departments of the College will be advised by the department concerned. Faculty advisors have been appointed for competitive domestic graduate programs such as the Woodrow Wilson, Danforth and National Science Foundation.

The Study Abroad Committee is authorized to counsel applicants for the Rhodes, Marshall and Fullbright programs, and will put other students in touch with advisors for the competitive domestic graduate programs or assist them in making applications to overseas institutions for graduate fellowships and assistance.

## REQUIREMENTS FOR DEGREES

The Trustees and Faculty of the College of Charleston are authorized by the charter of the College to confer degrees of Bachelor of Arts and Bachelor of Science. Major programs in English, Fine Arts, History, Classical and Modern Languages, Philosophy, Political Science and Urban Studies lead to the degree of Bachelor of Arts. Major programs in Biology, Business Administration, Chemistry, Economics, Education, Geology, Mathematics, Physics, Psychology, and Sociology lead to the degree of Bachelor of Science. In some instances a department offering a major leading to the Bachelor of Science degree offers an additional major program oriented to the humanities and leading to the degree of Bachelor of Arts. Under usual circumstances, the program for each degree requires four years of study of which the last 30 semester hours must be done in residence at the College.

The degrees of Bachelor of Science with Dentistry, Bachelor of Science with Medicine, and of Bachelor of Science with Medical Technology are specialized forms of the Bachelor of Science degree. These degrees may be conferred upon a student who has completed three years of study in residence at the College and who has met the following requirements: for the Bachelor of Science with Dentistry, one year of satisfactory work as outlined in the curriculum of an accredited dental school; for the Bachelor of Science with Medicine, one year of satisfactory work as outlined in the curriculum of an accredited medical college as the first year of medicine; for the Bachelor of Science with Medical Technology, not less than twelve months of satisfactory work at an accredited medical college in the course which leads to certification by the Board of Registry of Medical Technologists. In this program the number of semester hours in the junior year at the College of Charleston must not be less than thirty. To receive the degree after these requirements have been met, the student must address a formal application to the faculty of the College of Charleston, together with an official statement from the medical college certifying that the student has successfully completed the requirements for the degree.

The curriculum for each of the degrees is designed to provide thorough training in the required elementary subjects, a consecutive

course of not less than three years in one subject, and some restriction of the junior and senior years to work of junior and senior grade. To be eligible for either the Bachelor of Arts or the Bachelor of Science degree the student must have received passing marks in a sufficient number of courses, required and elective, to give him a total of 122 semester hours credit (or semester hours). For the degrees of Bachelor of Science with Dentistry, Bachelor of Science with Medicine, and of Bachelor of Science with Medical Technology the student must have accumulated in his College of Charleston courses at least 92 semester hours credit.

### **Required Courses**

The requirements for the degrees of Bachelor of Arts and Bachelor of Science are based on the principle that the student will derive the maximum benefit from his college work if his total course program includes several constituent elements. To afford a broad distribution of studies among representative fields of culture and modes of thought, there are Minimum Degree Requirements. There should be a concentration within a special field, and hence the requirements of the student's chosen major program. The remaining courses necessary to yield the total number of 122 semester hours for a degree are of the student's own choice, and are termed Elective.

A minimum of 122 semester hours of credit is required for the degree of Bachelor of Arts and Bachelor of Science. For all students admitted or readmitted in the fall semester of 1970, and thereafter, a minimum grade point ratio of 2.0 is required (see the section, "Grade Point Ratio," under the section on Administrative Regulations). A minimum grade point ratio of 2.0 in all courses taken in the department of the major is required for graduation for all students admitted or readmitted in the fall semester of 1971, and thereafter. In the case of an Inter-departmental major such as Urban Studies, courses of the major include all of the courses taken in an Area of Concentration.

### **The Major**

By the second semester of his sophomore year, each student must declare his choice of a major program of concentration within one department, and register his choice with the Office of the Registrar. Registration of a major is necessary before the student can be enrolled as a junior the following year, since the department in which the student registers must advise the student on his selection of courses after the end of the sophomore year.

The subjects in which a major is offered are biology, business administration, chemistry, classical studies, economics, elementary and secondary education, English, fine arts, French, geology, Ger-

man, history, mathematics, philosophy, physics, political science, psychology, sociology, Spanish, and urban studies.

A major program involves at least 24 semester hours in one department. No major program may require more than 43 semester hours, and wherever a department offers a major entailing more than 36 hours, it must offer as well a major of not more than 36 for the student's choice. Within these minimum and maximum limitations, each department specifies the actual number of semester hours in its major program or programs, and in some instances specifies some of the actual courses required. (In the case of interdisciplinary programs, the maximum number of hours shall be 43 hours.) At least 12 hours in the major at the 200-level or above must be earned at the College of Charleston.

The candidate for the degree of Bachelor of Science with Dentistry, Bachelor of Science with Medicine, or Bachelor of Science with Medical Technology does not register a major since he ordinarily will be in attendance at the College of Charleston for only three years pursuing a highly specialized program of study. This student should, however, be aware of major requirements in the event that he decides, for whatever reason, to continue in his fourth year as a candidate for a Bachelor of Science or Bachelor of Arts degree.

**Minimum Degree Requirements**

For all degrees, the total number of semester hours must include:

English	6 semester hours: English 101 and 102
History	6 semester hours: History 101 and 102
Natural Science	8 semester hours from one of the following: Astronomy, Biology, Chemistry, Geology, or Physics of which 2 semester hours must be earned in the accompanying laboratories.
Mathematics or Logic	6 semester hours in Mathematics or in logic.*
Foreign Language, Classical or Modern	0-12 semester hours; satisfactory completion of course work through the intermediate level or demonstration of proficiency at that level by examination
Social Science	6 semester hours from one or two of the following: Anthropology, Economics, Political Science, Psychology, or Sociology
Humanities	6 semester hours from one or two of the following areas: British or American litera-

## Library

ture, any foreign literature either in the original language or in English translation, Fine Arts, History (excluding 101 and 102), Philosophy (excluding 215 and 216)

1 semester hour: Library 101 (it is recommended that entering students, both freshmen and transfer students, take the course during their first year in the College.)

\*This requirement may not be met by a combination of course work in both Mathematics and Logic.

### Level of Placement in Courses

Entering students begin their work in foreign language or mathematics at any advanced level for which they are prepared, as determined by placement tests administered by the College. Except for the degree requirement in English and Foreign Language, placement at an advanced level does not excuse the student from the number of semester hours specified in the Minimum Degree Requirements.

### Credit for Work at Another Institution

A student who, as a candidate for a degree at the College of Charleston, wishes to receive College of Charleston credit for courses at another institution, in a summer school or otherwise, must secure the approval of the Dean of Undergraduate Instruction before registering for the courses. The Dean will consult the Registrar and the Chairman of the equivalent department at the College of Charleston, and may refer the request to the faculty Academic Standards Committee. The request for approval must be in writing and must be accompanied by a current catalog of the institution at which the work is to be done. The institution must be fully accredited, and credit for a degree at the College of Charleston can be awarded only for courses for which credit toward graduation is granted by the institution conducting the instruction. Acceptance of credit for the approved course will not become final until an official transcript of the student's record has been received by the Registrar of the College of Charleston from the institution at which the course work was taken.

For undergraduates interested in study abroad the above principles apply with the following additions and amendments. The Study Abroad Committee will obtain and post notices of such courses which appear to be of interest and value, and be ready to give other assistance as necessary. The determination in advance that credit may be given will be made by the College department concerned, in consulta-

tion with the student, and may include provision for a validating exam on return.

The study abroad bulletin board is located in the north wing of Maybank Hall on the first floor.

### **The Departmental Honors Program**

The purpose of the Departmental Honors Program is to give the competent upperclassman an opportunity to explore intensively a field of his particular interest. The student must take the initiative, however, in outlining his proposed research, experiment, or special study; he must enlist the support of a faculty advisor, and he must secure the approval of the department.

Whether the student prepares a Seminar report, an Independent Study project, or a Bachelor's Essay, each task should develop proficiency in library research or laboratory methodology. In addition, the finished composition should be distinguished by systematic reasoning, sensible organization, and felicitous expression.

The recommended capstone of the Departmental Honors Program is the Bachelor's Essay. The research and writing extends over both semesters of the senior year. The student must seek one of the professors in his major department as mentor for the undertaking and submit *in writing* a proposal for his project. If his plan is accepted, he must work closely with his advisor. To allow time for proper revision of his essay, the student should submit one or more preliminary drafts for critical examination. Furthermore, the department may also prescribe whatever additional requirements it desires for insuring the quality of the work. Satisfactory completion of the Bachelor's Essay entitles the candidate to six (6) semester hours of credit.

At the conclusion of the program, Departmental Honors can be awarded only with approval of the department. To be eligible, the student must have completed a minimum of twelve (12) semester hours of exceptionally fine work in any combination of Seminar, Independent Study, or Bachelor's Essay and have a grade point ratio in the major of at least 3.5. If he has submitted a Bachelor's Essay, it is catalogued and retained in the collection of the College Library.

### **Pre-Professional Courses**

#### **Bachelor of Science with Dentistry**

To earn the degree of Bachelor of Science with Dentistry, at least 92 semester hours of credit are earned at The College of Charleston with the final year of work done at an accredited dental school. Upon satisfactory completion of the final year, the B.S.D. degree is awarded by the College of Charleston. Candidates for this degree must meet

the minimum degree requirements for all degrees, and must include in their program the following:

*Chemistry.* Sixteen semester hours, of which eight semester hours must be in general chemistry, with the remaining eight semester hours in organic chemistry.

*Physics.* Eight semester hours.

*Biology.* Eight semester hours.

*College Mathematics.* Six semester hours.

### **Bachelor of Science with Medicine**

To earn the degree of Bachelor of Science with Medicine, at least 92 semester hours of credit are earned at the College of Charleston, with the final year of work at an accredited medical college. Upon satisfactory completion of the final year, the B.S.M. degree is awarded by the College of Charleston. Candidates for this degree must meet the minimum degree requirements for all degrees, and must include in their program the following:

*Chemistry.* Sixteen semester hours, of which eight semester hours must be in general inorganic chemistry, with the remaining eight semester hours in organic chemistry.

*Physics.* Eight semester hours.

*Biology.* Eight semester hours.

*College Mathematics.* Six semester hours.

### **Bachelor of Science with Medical Technology**

The candidate for the degree of Bachelor of Science with Medical Technology completes at least 92 semester hours at the College of Charleston. Upon satisfactory completion of 12 months at an accredited medical college, the B.S.M.T. degree is conferred by the College of Charleston. The program of study leading to this degree must meet the minimum degree requirements for degrees of the College of Charleston, and must include also the following:

*Biology.* A minimum of 16 semester hours, of which at least eight must be in general biology or zoology. The remaining eight hours may be taken from courses in physiology, comparative anatomy, histology, genetics, or other biology courses generally acceptable toward a biology major.

*Chemistry.* A minimum of 16 semester hours, of which at least eight hours must be taken in general chemistry. The remaining eight hours may be taken from quantitative analysis, organic chemistry, physical chemistry, or other chemistry courses generally acceptable toward a chemistry major. It is strongly recommended that at least one semester of quantitative analysis be taken.

*Mathematics.* A minimum of three semester hours of college



mathematics.

*Physics.* Strongly recommended, but not specifically required.

The degree is now awarded by The Medical University of South Carolina.

### **Integrated Six-year Program in Medicine**

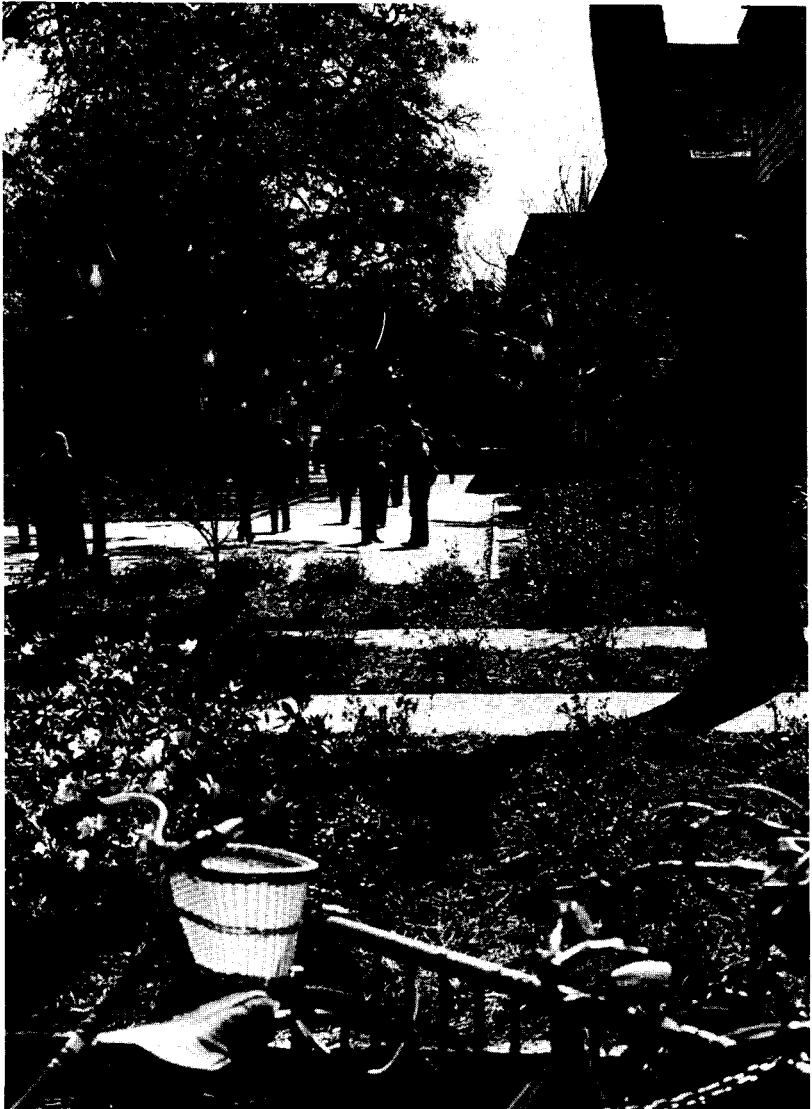
By a cooperative agreement with the School of Medicine of the Medical University of South Carolina, it is possible for the highly qualified student to complete the academic work leading to both the degree of Bachelor of Science with Medicine and of Doctor of Medicine within a period of six calendar years. This Program affords also a degree of initial acceptance for admission to the Medical University at the time of freshman admission to the College of Charleston.

The applicant for this program must be accepted for it by both institutions, and once admitted to it, may remain in it only as long as his academic achievement meets the minimum standards for continuation in it. To be eligible for initial admission to the program, the student must graduate in the upper 25% of his high school graduating class, must have a minimum predicted grade-point ratio of 2.8 for his freshman year at the College of Charleston, and must meet any additional requirements that may be prescribed by the Medical University of South Carolina.

The curriculum is that listed above for the Bachelor of Science with Medicine, and can be completed at the College of Charleston in two calendar years, if the student initially matriculates at the College of Charleston in Summer session and plans to include summer courses as will be required. For successful completion at the College of Charleston, the student must maintain a minimum cumulative average of 3.0; if his average in any semester falls below that of 2.8, he will be dropped from the program but may remain at the College of Charleston as participant in another course of study. Participation in the program is at every stage voluntary; at any time the student may notify the Medical University of his withdrawal from it, and will be free to pursue any other program at the College of Charleston.

During the second year of his program at the College of Charleston, the student will take the Medical College Admission Test (MCAT), and must obtain a score no lower than the average successful Medical University applicant. Upon successful completion of his program at the College of Charleston, and contingent upon having achieved an adequate score in the MCAT, the student will transfer to the College of Medicine for completion of the requirements for the M.D. degree. Upon successful completion of the first year at the Medical University, as certified by the Dean of the College of Medicine, the student will be awarded the degree of Bachelor of Science with Medicine by the College of Charleston.

The Medical University will offer students who have successfully completed the course of studies at the College of Charleston the opportunity to exempt by special examination certain required courses in Biochemistry, Cell Biology, and Genetics. By exemption of these requirements, with matriculation in summer sessions and by advanced placement at both institutions, it is possible to achieve the degree of Doctor of Medicine at the Medical University with no more than thirty-six months residence at that institution.



## COURSES OF INSTRUCTION 1976-1977

Careful attention should be paid to the prerequisite requirements of some courses. In general, courses numbered 100-199 are open to freshmen, but in some instances courses numbered in a higher register are available without prerequisite to freshmen, who should consult their academic advisor prior to registration.

Not every course is offered each semester. For the specific courses offered in a given semester, one should consult the official Schedule of Courses published by the College. The College reserves the right to withdraw any course for which there is insufficient demand.

### BIOLOGY

**MAJOR REQUIREMENTS FOR THE B.S. DEGREE.** 28 semester hours in Biology to include Seminar (401); one year of Physics; Chemistry through Organic Chemistry; Mathematics through Algebra-Trigonometry or Introductory Calculus. The latter sequence is highly recommended. Calculus is required for graduate school.

**MAJOR REQUIREMENTS FOR THE B.S. DEGREE WITH EMPHASIS IN MARINE BIOLOGY** (intended to prepare the student for graduate work in Marine Biology or Oceanography). At least 28 semester hours in Biology to include: 101, 102, 103, 310, 314, 315, and 401; Chemistry 111-112, 206; one year of Physics; one year of Geology; Mathematics through Algebra-Trigonometry or Introductory Calculus. The latter sequence is highly recommended. Calculus is required for graduate school.

**MAJOR REQUIREMENTS FOR THE B.A. DEGREE.** 28 semester hours in Biology to include Seminar (401); one year of Chemistry; one year of Mathematics.

Students who plan to pursue a career in Biology should consider additional courses in this discipline and some of the following as electives: Physics 220; Chemistry 206, 308, 301-302; Mathematics 203, 216, 221; Geology 101, 102, 103; Foreign Language through the intermediate level, an additional Foreign Language; Philosophy 215, 216, 265.

### COURSES IN BIOLOGY

#### 101 General Biology (4)

A survey of fundamental properties of living organisms as seen in their structure, physiology, reproduction, development, classification, and evolution. Lectures, 3 hours a week; laboratory, 3 hours a week.

#### 102 General Biology (4)

A continuation of Biology 101, which is prerequisite.

**103 Botany (4)**

A survey of the plant kingdom including morphology, physiology, ecology and economics of plants. Lectures, 3 hours a week; laboratory, 3 hours a week.

**201 Human Physiology (3)**

An introduction to the structure and function of the major organ systems of the human body. Lectures, 3 hours a week.

Prerequisites: Biology 101 & 102.

**202 Plant Taxonomy (4)**

The collection, identification, and classification of vascular plants, with special emphasis on the local flora. The student will have practice in the use of keys and herbarium techniques. Lectures, 2 hours a week; laboratories, 4 hours a week.

Prerequisites: Biology 101 & 102 or 103, or equivalents.

**204 Man and the Environment (3)**

A study of the interdependence of man and his environment. Emphasis will be on man's place in nature, pollution, man-modified habitats, and environmental protection. Lectures, 3 hours a week. Students may not take this course and one other Biology course to meet the science requirement.

**207 Plant Physiology (4)**

A study of plant function. Topics will include metabolism, hormones, mineral nutrition, transpiration, translocation, and flowering. Lectures, 3 hours a week; laboratory, 3 hours a week.

Prerequisites: Biology 103 and 1 year of Chemistry.

**209 Marine Biology (4)**

An introduction to the study of marine organisms and their environment. Lectures, 3 hours a week; laboratory, 3 hours a week.

Prerequisites: Biology 101 & 102 or 103, or equivalents.

**210 Microbiology (4)**

An introduction to the world of microorganisms with special emphasis on bacteria. The course includes cellular structures (composition and function), bacterial metabolism and microbial genetics. The epidemiology and pathogenicity of disease-producing microorganisms are also presented. Lectures, 3 hours a week; laboratory, 3 hours a week.

Prerequisites: Biology 101 & 102 or 103, or equivalents; and 1 year of Chemistry.

**212 Marine Science (3)**

An introduction to marine science and its significance to man. Topics discussed will deal with biological, chemical, and physical oceanography as well as the economic and political importance of the marine habitat. The biological aspect will emphasize plankton and numerous life histories of economically important invertebrate and vertebrate species. Lectures, 3 hours a week.

Prerequisites: Biology 101 & 102 or 103, or equivalents; and 1 year of Chemistry; or permission of the instructor.

**217 Introduction to Biometry (3)**

Introduction to basic statistical methods and their application in the analysis of biological and physical data. Introduction to distributions, experimental design, testing of hypotheses, regression, correlation, analysis of variance, covariance and factorial arrangements. Lectures, 3 hours a week.

Prerequisites: Math 216; and Biology 101 & 102 or 103, or equivalents; or permission of the instructor.

**232 Vertebrate Zoology (4)**

Life histories, adaptations, ecology, and classifications of vertebrate animals. Laboratory work emphasizes living material from the local fauna. Lectures, 3 hours a week; laboratory, 3 hours a week.

Prerequisites: Biology 101 & 102, or equivalents.

**233 Parasitology (4)**

Morphology, physiology, epidemiology, ecology and life cycles of parasites of vertebrates and invertebrates. Laboratory will center on living and preserved material and will include methods of fecal, blood, histological and serodiagnostic examinations. Lectures, 3 hours a week; laboratory, 3 hours a week.

Prerequisites: Biology 101 & 102.

**234 Ornithology (4)**

An introduction to the biology of birds. Laboratory work will emphasize the identification, classification, behavior, and ecology of local species. Lectures, 2 hours a week; laboratory, 4 hours a week.

Prerequisites: Biology 101 & 102, or equivalents.

**236 Herpetology (4)**

An introduction to the biology of amphibians and reptiles. Laboratory work will emphasize the identification, classification, behavior, and ecology of local species. Lectures, 2 hours a week; laboratory, 4 hours a week.

Prerequisites: Biology 101 & 102, or equivalents.

**301 Genetics (3)**

The basics of the science of heredity. The course encompasses Mendelian genetics, the molecular basis of inheritance, changes in chromosomal number and structure, microbial genetics, mutations, and population genetics. Lectures, 3 hours a week.

Prerequisites: Biology 101 & 102 or 103, or equivalents.

**302 Histology (4)**

A detailed study of the microscopic structure of mammalian tissues and organs. Lectures, 3 hours a week; laboratory, 3 hours a week.

Prerequisites: Biology 101 & 102, or equivalents, and junior or senior standings.

**303 Evolution (3)**

A study of the mechanism and patterns of plant and animal evolution, with emphasis on the species level of organization. Lectures, 3 hours a week.

Prerequisites: Biology 101, 102 & 301, or equivalents; or permission of the instructor.

**304 General and Comparative Physiology (4)**

A study of the principles of the functional mechanisms that underlie the life processes of all organisms with emphasis on the ways in which diverse organisms perform similar functions. Lectures, 3 hours a week; laboratory, 3 hours a week.

Prerequisites: Biology 101 & 102 or 103, or equivalents; and 1 year of Chemistry.

**305 Comparative Vertebrate Embryology (4)**

Comparative gametogenesis, fertilization, and embryology of the vertebrates. Organogenesis in frog, chick, and pig embryos studied in detail. Lectures, 2 hours a week; laboratory, 2 hours a week.

Prerequisites: Biology 101 & 102, or equivalents.

**306 Comparative Anatomy of Vertebrates (4)**

Lectures on phylogeny of vertebrate organ systems, and laboratory dissection of dogfish, *Necturus*, and cat. Lectures, 2 hours a week; laboratory, two 2½ hours a week.

Prerequisites: Biology 101 & 102, or equivalents.

**307 Zoogeography (3)**

An introduction to the study of animal distribution patterns, their origins, and their significance for ecology and evolution. Lectures, 3 hours a week.

Prerequisites: Biology 101 & 102, or equivalents.

**310 Oceanography (4)**

An introduction to the study of the marine environment. Lecture and laboratory work will emphasize the interrelationships of physical, chemical, geological, and biological processes in the sea. Instruction is held at the Grice Marine Biological Laboratory. Lectures, 3 hours a week; laboratory, 3 hours a week.

Prerequisites: Biology 101 & 102, or equivalents; and 1 year each of college Mathematics and Chemistry.

**314 Invertebrate Zoology (4)**

Classification, morphology, physiology, behavior, and life histories of invertebrates. Laboratory work will emphasize the study of living material from the local fauna. Lectures, 3 hours a week; laboratories, 3 hours a week.

Prerequisites: Biology 101 & 102, or equivalents.

**315 General Ecology (4)**

Consideration of organisms and their environmental relationships. Lectures, 3 hours a week; laboratory, 3 hours a week.

Prerequisites: Biology 101 & 102, or equivalents.

**318 Cell Biology (3)**

A detailed morphological and physiological study of the gross structure ultrastructure of the cell, both plant and animal tissues. Lectures, 3 hours a week.

Prerequisites: Biology 101 & 102, or equivalents; and 1 year of Chemistry.

**320 Biology of Fishes (4)**

A brief survey of gross morphology with emphasis on the structure used in identification, and more detailed considerations of some of the aspects of physiology, ecology, life histories, and behavior. Instruction is held at Grice Marine Biological Laboratory. Lectures, 2 hours a week; laboratory, 4 hours a week.

Prerequisites: Biology 101 & 102, or equivalents.

**323 Problems in Marine Biology (1-4)**

Literature and laboratory investigations of specific problems directly concerned with ecology, distribution, or development of marine organisms. Open to exceptional students with junior or senior standing who are interested in continuing toward a graduate degree in biological or related sciences. Credit value determined by type of problem. Enrollment by permission of the instructor.

**325 Problems in Biology (1-4)**

Literature and laboratory investigations of specific problems in biology, the nature of the problem to be determined by the interest of the student after consultation with departmental faculty. Open to exceptional students with junior or senior standing who are interested in continuing toward a graduate degree in biological or related sciences. Credit value is determined by the type of problem. Enrollment by permission of the instructor.

**330 Morphology & Taxonomy of the Thallophyta (4)**

Basic structures, relationships and life histories of the representative algae are analyzed. History and present conceptual structure of non vascular plant taxonomy are reviewed. Methods and principles of classifications and their practical applications are emphasized. Lectures, 3 hours a week; laboratories, 3 hours a week.

Prerequisites: Biology 101, 102, or 103, or equivalents.

**401 Seminar (1)**

Required of all senior biology majors.

**405 General and Comparative Endocrinology (4)**

A study of the comparative anatomy and physiology of the ductless glands of invertebrate and vertebrate animals. Laboratory experiments are designed to demonstrate classical as well as modern approaches to study of hormone action. Lectures, 2 hours a week; laboratories, 6 hours a week.

Prerequisites: A course in physiology, or permission of the instructor.

**500 Ichthyology (4) (Undergraduate and Graduate)**

Morphology, evolution, systematics, and geography of fishes. Instruction is held at Grice Marine Biological Laboratory. Lectures, 2 hours a week; laboratory, 4 hours a week.

Prerequisites: Biology 101 & 102, equivalents, and junior, senior or graduate standing.

## **BUSINESS ADMINISTRATION AND ECONOMICS**

### **BUSINESS ADMINISTRATION MAJOR DESCRIPTION**

The major in Business Administration requires 36 semester hours. All Business Administration majors must take BA 203, BA 204, BA 301, BA 302, BA 303, BA 304, BA 403, BA 408, and four elective courses to be selected from 300 or 400 level Business or Economics courses. At least two of these electives must be Business courses.

Computer Science 105 Cobol Programming is suggested for all Business majors. Mathematics 101 and 104, or higher level Math courses, are recommended prior to enrollment in Business or Economics courses numbered 300 and above. In addition, all students upon deciding to major in Business Administration will be assigned a faculty advisor from the Business Administration and Economics Department who will help in planning an academic course of study.

### **ECONOMICS MAJOR DESCRIPTION**

The major in Economics requires 36 semester hours. All Economics majors must take Econ. 201, Econ. 202, Econ. 305, Econ. 317, Econ. 318, Business Administration 304, and six elective courses to be selected from 200 level and above Economics and Business courses. At least three of these electives must be Economics courses.

Computer Science 105 Cobol Programming is suggested for all Economics majors. Mathematics 101 and 104, or higher level Math courses, are recommended prior to enrollment in Economics or Business courses numbered 300 and above. In addition, all students, upon deciding to major in Economics, will be assigned a faculty advisor from the Business Administration and Economics Department who will help in planning an academic course of study.

## BUSINESS ADMINISTRATION

### 105 Introduction to Business (3)

A course for all students of the College who are interested in a survey of the variety of activities that occur in a business institution. The various types and forms of business organizations will be presented and analyzed. Special emphasis will be given to the role of the business enterprise in society. Any Business Administration or Economics major who has completed or is concurrently enrolled in a 300 or 400 level Business Administration or Economics course may not register for this course. Credit hours for this course may not be applied toward major requirements.

### 120 Principles of Investment (3)

An investment course analyzing the characteristics and relative importance of common and preferred stocks, mutual funds, municipal and corporate bonds, Treasury obligations, U. S. Government agency issues, and real estate. Special topics including portfolio management, insurance and interest rates will also be covered. Outside lecturers will be used to supplement regular classroom discussions. Credit hours for this course may not be applied toward major requirements.

### 203 Accounting Concepts I (3)

An introduction to accounting as a device for reporting business activity. The principles of accounting are presented in addition to the construction and interpretation of financial statements.

### 204 Accounting Concepts II (3)

A continuation of the first course in accounting with emphasis upon the utilization of accounting information as an aid in business decision making.

Prerequisite: B.A. 203.

### 300 Business Information Systems (3)

A discussion of the operation and goals of basic business systems, including the tools of business systems with emphasis on the role of the computer in business organizations.

### 301 Management Concepts (3)

Concepts underlying the management process — planning, organizing, directing, and controlling business activity.

### 302 Marketing Concepts (3)

Channels of distribution, marketing and sales problems, and related topics are presented to give the student an understanding of the many functions involved in the process of distributing goods and services.

Prerequisite: Economics 202.

### 303 Business Finance (3)

This course presents the fundamental concepts of finance with emphasis upon the corporate form of business organization. Special attention will be given to the financial administrator's role as a decision maker.

Prerequisite: B.A. 204 and Economics 202.



**304 Statistics (3)**

Testing of hypotheses, probability, linear regression, Index numbers and decision-making techniques.

**305 Government and Business Relations (3)**

This course is designed to emphasize the legal environment of business relations and the pluralistic nature of the economy of the United States. The principal federal regulations which apply to business and union activities are presented in order to provide the student with an understanding of the limitations of an administrator's authority in the field of public policy.

This course is also listed as Political Science 305

Prerequisite: Economics 202 or permission of instructor.

**306 Business Law I (3)**

A course designed to cover the legal aspects of business operations; including contracts, agency, sales, negotiable instruments, security devices, property, partnerships, and corporations. (Business Administration majors may use either B.A. 305 or B.A. 306, but not both, as partial fulfillment of their major requirements.)

**307 Personnel Management (3)**

Personnel policy, manpower planning, staffing, training and development, compensation administration, and union-management relations.

Prerequisite: B.A. 301.

**308 Cost Accounting (3)**

Basic concepts of accounting applied to material, labor and overhead costs with emphasis on interpretation of information for managerial decisions. Process and job order cost systems and product pricing will be emphasized.

Prerequisite: B.A. 204.

**310 Financial Seminar (3)**

Case analysis in financial problems of the firm emphasizing: analysis of the demand for funds, external and internal sources of funds and their costs to the firm, problems of the multinational firm and other techniques of financial management, such as capital budgeting, cash budgeting, and optimal capital structure.

Prerequisite: B.A. 303.

**311 Transportation Systems (3)**

This is an in-depth treatment of trends and contemporary management problems peculiar to transport agencies including rail, highway, air, water, and pipeline. The course will also examine comparative evaluations of cost behavior and pricing among different transportation modes.

Prerequisite: ECO. 202.

**313 Bank Management (3)**

The theory and practice of bank management is developed. The fundamental principles underlying the management of bank assets are emphasized. Attention is devoted to the allocation of funds among various classes of investments and bank operating costs and to changing bank practices.

Prerequisite: BA 204.

**316 Intermediate Accounting I (3)**

Income measurement, valuation, statement presentation and terminology problems as related to assets, including cash, securities, receivables, inventories, plant and equipment, and intangibles. Contemporary financial accounting issues are considered as raised by the Financial Accounting Standards Board, Securities and Exchange Commission, the accounting profession and others.

Prerequisite: BA 204.

**317 Intermediate Accounting II (3)**

Income measurement, valuation, statement presentation and terminology problems as related to liabilities and stockholders equity; changes in capital; statement analysis; price-level recognition; cash versus accrual; incomplete data problems; and related contemporary financial accounting issues.

Prerequisite: BA 316.

**320 Marketing Research (3)**

A course which establishes the relationship between models, information systems, and marketing decisions. The practical application of behavioral and statistical methods for the purpose of obtaining and analyzing relevant marketing information will also be examined.

Prerequisite: BA 302 and BA 304.

**325 Seminar in Marketing (3)**

An advanced marketing course designed to acquaint students with the many facets of marketing and distribution administration. Case studies will be used extensively.

Prerequisite: BA 302.

**326 International Marketing (3)**

Marketing on an international scale with stress upon the viewpoint of the marketing manager who must recognize and cope with differences in legal, economic, spatial, and cultural elements in different nations. Emphasis placed on marketing techniques and methods of expanding participation in foreign markets.

Prerequisite: BA 302.

**329 Business Law II (3)**

Impact and workings of the Uniform Commercial Code and the Uniform Consumers' Credit Code on our business system: emphasis on Sales, Secured Transactions, Bulk Sales, and Commercial Paper.

Prerequisite: BA 306.

**330 Advertising (3)**

The role of advertising in a free economy and its place in the media of mass communications. Areas of study will include advertising appeals, product research, selection of media, testing of advertising effectiveness, and the dynamics of the advertising profession.

**335 Governmental and Institutional Accounting (3)**

Accounting methods and procedures applicable to federal, state, and municipal governmental units, religious, and other nonprofit organizations.

Prerequisite: BA 204.

**340 Advanced Accounting (3)**

Accounting theory applicable to partnerships, branches, business combinations and other special topics in financial accounting and reporting.

Prerequisite: BA 204.

**341 Federal Taxation I (3)**

A study of federal income taxation as applied to individuals and sole proprietorships.

Prerequisite: BA 204 or permission of instructor.

**342 Federal Taxation II (3)**

A study of federal taxation as applied to partnerships, corporations, trusts, and exploration of federal gift and estate taxes.

Prerequisite: BA 341 or permission of instructor.

**400 Investment Analysis (3)**

Basic investment theory with emphasis given to the analysis of securities, portfolio management, and the operation of the securities market.

Prerequisite: BA 303.

**401 Human Relations (3)**

The interaction of people in the work situation and how that interaction influences morale, motivation, communication, leadership, organizational structure, social environment, and efficiency.

Prerequisite: B.A. 301.

**402 Seminar in Administration (3)**

A seminar designed to enable the student to conduct a comprehensive investigation into an area of interest in the administration of organizational affairs.

Prerequisite: Four departmental courses including B.A. 301 and consent of the instructor.

**403 Production Organization (3)**

A survey of management decision making techniques with emphasis on: Analytical methods in production management including design of production systems quality control, operations planning and capital budgeting.

Prerequisite: B.A. 304.

**406 Quantitative Methods and Decision Making (3)**

The course will begin with a brief coverage of the decision-making process. Emphasis will be placed on the understanding and use of tools necessary to quantify the decision-making process, with particular reference to linear programming, simulation, and queuing theory.

Prerequisite: B.A. 304.

**408 Business Policy (3)**

A course for senior business administration majors which draws together the functional areas of business operations: accounting, finance, marketing, and production, as a means of developing the students' conceptual and decision-making abilities. Case studies will be used extensively.

Prerequisite: B.A. 301, 302, 303, and 403.

**409 Auditing Theory (3)**

Role of the independent auditor, his legal responsibilities, professional ethics, auditing standards, internal control, statistical sampling, and basic auditing techniques. Also limited consideration of the role of the internal auditor.

Prerequisite: B.A. 309.

## ECONOMICS

*Economics 201-202 is a prerequisite to all 300 and 400 level economics courses.*

**101 Economics of Current Issues (3)**

A study of the problems and possible solutions in various areas including inflation, unemployment, pollution, health care, energy, agriculture, and population. Credit hours for this course may not be applied toward major requirements.

**201 Principles of Economics I (3)**

The foundation of economic analysis is presented, including identification of basic social goals; money and credit systems; and theories of national income, employment and economic growth.

**202 Principles of Economics II (3)**

The problems of the market are presented; product and factor pricing; allocation of resources and distribution of income; market equilibrium analysis; and analysis of domestic problems and policies. A prerequisite for courses at the 300-level and higher.

Prerequisite: Eco. 201.

**304 Labor Economics (3)**

An examination of the role and history of the labor movement in the economic development of the United States, with special emphasis on labor-management relations, collective bargaining, wage determination, employment, unionism, wages and hours, governmental policies affecting labor, and current problems.

**305 Money and Banking (3)**

The nature and role of money, the development and operation of the commercial banking system, the structure and functions of the Federal Reserve System, and the impact of monetary changes on business decisions and economic activity.

**306 Monetary Policy and Theory (3)**

A detailed discussion of Federal Reserve policy tools, controversies in monetary policy, proposed reforms, and a comprehensive overview of monetary theory.

Prerequisite: ECO 305.

**307 Urban Finance (3)**

An economic approach to the problems of local public finance, with special attention to pricing, taxation, and investment in the urban public sector. Emphasis will be placed on analyzing the relationships between land utilization, the economic base, and local public revenues.

**308 Evolution of Economic Doctrines (3)**

A study of the principle contributions to economic theory and method, and the relationship of these contributions to their time and to each other.

**310 International Economic Relations (3)**

A survey of the development of international economic relations and an analysis of the economic significance of anticipated changes.

**315 Introduction to Mathematical Economics (3)**

An introductory survey of the use of mathematical methods in economic analysis.

Prerequisite: Mathematics 104 or 120.

**317 Microeconomic Analysis (3)**

A study of the analytical techniques used in investigating the determination of product and factor prices under different market structures to include analysis of indifference, production theory, and utility concepts.

**318 Macroeconomic Analysis (3)**

A study of Classical, Keynesian, and Post-Keynesian macroeconomic models involving the issues of consumption, monetary and fiscal policy, growth, interest, and liquidity.

**320 Managerial Economics (3)**

The application of economic principles relating to cost, revenue, profit, and competition which aid business decision-making and policy formulation.

**325 Economic Development (3)**

A study of the factors shaping economic development. Topics emphasized are factor supplies and utilization, financial and trade policies, institutional elements, and cultural effects.

**330 Comparative Economic System (3)**

An analysis and appraisal of the theories and practices underlying economic systems. Consideration given to capitalistic, socialistic, and communistic economies.

**400 Senior Seminar in Economics (3)**

A seminar on a particular problem or question in economic policy, open to senior majors in economics and to any senior Honors student.

**404 Independent Study (1-3)**

The student will select a reading or research project in consultation with a faculty member, who will guide the work and determine the hours of credit to be allowed.

## CHEMISTRY

*The Pre-professional Major Program.* This program is designed for students who intend to pursue graduate work in Chemistry or who plan to enter chemical industry after graduation. Students who major under this program will be considered candidates for the Bachelor of Science degree.

The course requirements total forty-two hours in Chemistry to include Chemistry 120, 120L or 111, 111L, 112, 112L, 204 or 404, 206, 311, 311L, 312, 312L, 313, 313L, 314, 314L, 307, 406, 410 and at least one three-hour elective from courses at the 300 level or above. Physics 103-104 or its equivalent is required of all B.S. Chemistry majors, as is Mathematics 220. German is strongly recommended to satisfy the foreign language degree requirement.

*The Liberal Arts Major Program.* In this program, the course requirements in Chemistry are intended to provide the student with an adequate background in the principal areas of chemistry while permitting a greater concentration in the humanities than is generally feasible in the pre-professional program. This program leads to a B.A. degree.

The major requirement is twenty-nine semester hours in chemistry, to include Chemistry 120, 120L or 111, 111L, 112, 112L, 206, 311, 311L, 312, 312L, 313, 313L, 314, 314L, and 410.

Chemistry 112 and 112L or 120 and 120L are prerequisites to all courses in Chemistry at the 200 level or above, with the exception of Chemistry 209.

A breakage deposit of five dollars is required of all students enrolled in a laboratory course in chemistry.

**107, 108 Chemistry and Man (3, 3)**

A course designed to introduce the principles of modern chemistry to the non-scientist. Emphasis is placed on the discussion of basic concepts and their relevance to contemporary culture. Topics include: chemical bonding, chemical reactivity, states of matter, environmental chemistry, organic and biochemistry, drugs, energy and industrial applications. Lectures, three hours a week.

Corequisites and prerequisites: Chemistry 107L is a corequisite or prerequisite for Chemistry 107. Chemistry 108L is a corequisite or prerequisite for Chemistry 108. Chemistry 107 is a prerequisite for Chemistry 108.

**107L, 108L Chemistry and Man, Laboratory (1, 1)**

A laboratory program to accompany Chemistry 107, 108. Experiments are designed to illustrate concepts and techniques encountered in the classroom. Laboratory, three hours a week.

Corequisites and prerequisites: Chemistry 107 is a corequisite or prerequisite for Chemistry 107L. Chemistry 108 is a corequisite or prerequisite for Chemistry 108L. Chemistry 107L is a prerequisite for Chemistry 108L.

**111, 112 Principles of Chemistry (3, 3)**

A introductory course in chemistry emphasizing theoretical aspects and designed primarily for students who intend to take one or more additional courses in chemistry. Lectures, 3 hours a week.

Corequisites or prerequisites: Chemistry 111L is a corequisite or prerequisite for Chemistry 111. Chemistry 111 is a prerequisite for Chemistry 112. Chemistry 112L is a corequisite or prerequisite for Chemistry 112. Students enrolled in 111 are urged to take Math 111; those in 112 are urged to take Math 120.

**111L, 112L Principles of Chemistry Laboratory (1, 1)**

Designed to introduce the student to the application of the scientific method in solving chemical problems and to acquaint him with specific tools and techniques used in the chemistry laboratory, while reinforcing and illustrating concepts encountered in lecture. Laboratory, three hours a week.

Corequisites or prerequisites: Chemistry 111 is a corequisite or prerequisite for Chemistry 111L. Chemistry 112 is a corequisite or prerequisite for Chemistry 112L. Chemistry 111L is a prerequisite for Chemistry 112L.

**120 Concepts in Modern Chemistry (3)**

An introductory chemistry course for students with a strong preparation in pre-college chemistry. Key concepts in modern chemistry are discussed, with more student participation than is possible in Chemistry 111, 112. This one-semester course is a substitute for the two-semester Chem. 111, 112 sequence, and serves equally well as a prerequisite for an advanced chemistry course. It is intended primarily for the student who wishes to major in chemistry or a related science and is open to both freshmen and upperclassmen. Lecture, 3 hours a week.

Prerequisites: Acceptable performance on a Chemistry Department qualifying exam or Advanced Placement Test in Chemistry and/or permission of the Department. Math 111, Math 101, or an acceptable score on the Pre-Calculus placement test. Corequisite: Chemistry 120L. Not open to students who have taken Chemistry 111 or 112.

**120L Concepts in Modern Chemistry, Laboratory (1)**

A laboratory program designed to accompany Chem. 120, Laboratory, three hours a week.

Corequisite: Chemistry 120.

**204 Inorganic Chemistry (3)**

The fundamental theories and concepts of inorganic chemistry. Topics to be considered may include the periodic arrangement of the elements, inorganic nomenclature, coordination complexes, valency concepts, crystal structure, reaction mechanisms, oxidation-reduction, inorganic stereochemistry, acid-base theories, descriptive chemistry of some of the less common elements. Lectures, three hours a week.

**205 Synthetic Inorganic Chemistry (2)**

The preparation and characterization of inorganic compounds, with special emphasis on the apparatus and techniques employed in modern synthetic inorganic chemistry. Lectures, one hour per week. Laboratory, three hours per week.

Prerequisite: Chemistry 204.

**206 Quantitative Analysis (4)**

A study of the chemistry of quantitative analysis. Special attention is given to equilibria involving acids, bases, precipitates, complex ions, and oxidizing and reducing agents. In the laboratory an opportunity is provided for solving problems in gravimetric and volumetric analysis, along with an introduction to the use of instruments for chemical analysis. Lectures, two hours a week; laboratory, five hours a week.

**209 Environmental Chemistry (4)**

An introduction to the chemistry of our natural system with an emphasis on the chemical interactions in the environment. Cycling of major chemical components as well as equilibrium concentration levels will be covered. The effect of the activities of man upon the natural equilibrium condition will be discussed. The laboratory will introduce the student to the analytical techniques involved in the measurement of some of the chemical parameters. Lecture, three hours a week. Laboratory, 3 hours a week.

Prerequisites: Chemistry 112 and 112L, Chemistry 120 and 120L, or Chemistry 108 and 108L.

**305 Advanced Organic Chemistry (3)**

Topics in organic chemistry are selected by students and instructor for class presentation and discussion. Emphasis is on understanding of why organic reactions take place as they do and in recent developments on the frontiers of organic chemistry. Lectures, three hours a week.

Prerequisite: Chemistry 311, 312.

**307 Organic Qualitative Analysis (3)**

A study of the chemistry and techniques involved in the separation and identification of organic compounds. The student analyzes a wide variety of compounds in the laboratory, using spectral data, physical constants, and chemical tests. Lectures, one hour a week; laboratory, six hours a week.

Prerequisite: Chemistry 303, 304.

**308 Biochemistry (3)**

An introduction to the chemistry of the biological compounds. A systematic study of carbohydrates, lipids, amino acids, proteins, nucleic acids and their components is presented. Metabolism of the biological compounds is studied as are the interrelations among the carbon, nitrogen, and energy cycles. Lectures, three hours a week.

Prerequisite: Chemistry 303, 304.

**309 Introductory Chemical Oceanography (3)**

An introduction of the chemical processes occurring in oceanic and estuarine systems. Emphasis on the ocean as a chemical system, equilibrium processes, and chemical cycles in the marine environment. Lectures, three hours a week.

Prerequisite: Chemistry 206.

Corequisite: Chemistry 209L. The corequisite may be waived with the instructor's permission.

**309L Introductory Chemical Oceanography Laboratory (1)**

An introduction to the techniques of investigating the chemistry of oceanic and estuarine systems. Both laboratory and field investigations. Laboratory, three hours a week.

Prerequisite or corequisite: Chemistry 309.

**310 Biochemistry Laboratory (2)**

Designed to illustrate the major principles of modern biochemistry and teach the general techniques used in biochemical research. Experiments will include basic procedures for the quantitation, isolation, and characterization of various cellular components with demonstration of more advanced research methods. Laboratory, six hours a week.

Prerequisite: Chemistry 308.

**311, 312 Organic Chemistry (3, 3)**

An introduction to the chemistry of carbon. A systematic study of nomenclature, structure, properties, and reactions of aliphatic and aromatic compounds. Attention given to recent developments in interpretation of structure and reaction mechanisms. Lecture, three hours a week.

Corequisites or prerequisites: Chemistry 112 and 112L or their equivalent are prerequisites for Chemistry 311. Chemistry 311L is a corequisite or prerequisite for Chemistry 311. Chemistry 311 is prerequisite for Chemistry 312. Chemistry 312L is a corequisite or prerequisite for Chemistry 312.

**311L Organic Laboratory Practice (1)**

Practice in the standard laboratory operations employed in the isolation and purification of organic compounds. The methods and techniques developed are utilized in the synthesis of representative compounds. Laboratory, three hours a week.

Corequisite or prerequisite: Chemistry 311.

**312L Organic Synthesis and Analysis (1)**

Additional synthetic methods plus an introduction to organic compound identification.

Prerequisite: Chemistry 311L.

Corequisite or prerequisite: Chemistry 312.

**313, 314 Physical Chemistry (3, 3)**

Basic principles of chemistry treated primarily from a theoretical viewpoint. The major topics covered are atomic and molecular structure; elementary thermodynamics and statistical mechanics; properties of gases, liquids, and solids; theories of solution; homogeneous and heterogeneous equilibria; electrochemistry and surface chemistry. Lectures, three hours a week.

Corequisites and prerequisites: Chemistry 313L is a corequisite or prerequisite for Chemistry 313. Chemistry 313 is a prerequisite for Chemistry 314. Chemistry 314L is a corequisite or prerequisite for Chemistry 314. These corequisites may be waived only with the permission of the instructor. Mathematics 220 is a prerequisite or corequisite for 313.

**313, 314 Physical Chemistry (3, 3)**

Basic principles of chemistry treated primarily from a theoretical viewpoint. The major topics covered are atomic and molecular structure; elementary thermodynamics and statistical mechanics; properties of gases, liquids, and solids; theories of solution; homogeneous and heterogeneous equilibria; electrochemistry and surface chemistry. Lectures, three hours a week.

Corequisites and prerequisites: Chemistry 313L is a corequisite or prerequisite for Chemistry 313. Chemistry 314L is a corequisite or prerequisite for Chemistry 314. These corequisites may be waived only with the permission of the instructor. Mathematics 220 is a prerequisite or corequisite for 313.

**313L, 314L Physical Chemistry Laboratory (1, 1)**

A laboratory program to accompany Chemistry 313, 314. Laboratory, three hours a week. Corequisites and prerequisites: Chemistry 313 is a corequisite or prerequisite for Chemistry 313L. Chemistry 314 is a prerequisite or corequisite for Chemistry 314L. Chemistry 313L is a prerequisite for Chemistry 314L.



**403 Advanced Physical Chemistry (3)**

A supplemental course to Chemistry 313, 314 dealing primarily with molecular structure and bonding and with statistical thermodynamics.

Prerequisite: Chemistry 314.

**404 Advanced Inorganic Chemistry (3)**

An advanced course which aims to provide a balanced view of the theoretical principles involved in present-day inorganic research.

Prerequisite: Chemistry 313.

Prerequisite or corequisite: Chemistry 314.

**406 Advanced Analytical Chemistry (4)**

Theory and principles underlying the techniques of modern analytical chemistry. The student carries out qualitative and quantitative analysis using chromatographic, spectrophotometric, electroanalytical, and other selected methods. Lectures, three hours a week; laboratory, three hours a week.

Prerequisite: Chemistry 206.

**408 Introductory Research (2)**

An opportunity is provided to use the literature and to apply a variety of experimental techniques in the investigation of selected problems in inorganic, analytical, organic, or biochemistry, or in chemical oceanography. A report will be made to the Chemistry research committee at the conclusion of the project. Open to seniors majoring in Chemistry with a GPR of at least 2.5. Exceptions require approval of the Chemistry research committee. Arrangements for a project should be made with the department during the semester prior to that in which it is carried out.

**409 Introductory Research II (2)**

A continuation of Chemistry 408. Open to students who have done satisfactory work in Chemistry 408. Separate reports must be submitted to the Chemistry Department for work done in 408 and 409.

**410 Chemistry Seminar (1)**

A weekly seminar during which topics taken from departmental research projects and recent advances in chemistry are discussed. Seminar, one hour per week.

Prerequisite: Permission of the Department.

## CLASSICAL LANGUAGES

*Major in Classical Studies:* Thirty-six semester hours comprising courses in Greek and Latin language and literature (beginning at the intermediate level in the language of concentration) and related work in the areas of ancient history, ancient philosophy, and ancient art.

### GREEK

**101 Elementary Greek (3)****102 Elementary Greek (3)**

A continuation of Greek 101, which is prerequisite.

NOTE: Any two 200 level courses may serve as the second year of Greek; the courses will be offered in cycle in accordance with the needs of the students as determined in consultation with the professor.

**207 Xenophon I (3)**

Introduction to Attic Greek prose, extensive reading of Xenophon's *Anabasis*.

Prerequisite: Greek 102 or the equivalent.

**208 Xenophon II (3)**

Continuation of Greek 207, which is prerequisite.

**209 Plato I (3)**

Introduction to Attic Greek Prose, emphasis on Plato's *Dialogues*.

Prerequisite: Greek 102 or the equivalent.

**210 Plato II (3)**

Continuation of Greek 209, which is prerequisite.

**211 Greek New Testament I (3)**

Introduction to *koine* Greek, translation of selected readings from the New Testament.

Prerequisite: Greek 102 or the equivalent.

**212 Greek New Testament II (3)**

Continuation of Greek 211, which is prerequisite.

**303 Readings in Greek Literature—Poetry (3)**

Selections from Homer's *Illiad* or *Odyssey*, or reading of representative plays of the Greek dramatists.

Prerequisite: Four 200 level Greek courses.

**304 Readings in Greek Literature—Prose (3)**

Comprehensive readings of the historians Herodotus and Thucydides, or reading of the Greek orators as represented by Lysias, Demosthenes, and Isocrates.

Prerequisite: Four 200 level Greek courses.

**405 Directed Reading (1-3)**

Advanced study of Greek literature. Specific content to be determined by consultation with the instructor.

Prerequisite: Greek 303 and 304.

**406 Directed Reading (1-3)**

A continuation of Greek 405.

Prerequisite: Greek 405.

## LATIN

**101 Elementary Latin (3)****102 Elementary Latin (3)**

A continuation of Latin 101, which is prerequisite.

**205 Intermediate Latin (3)**

Rapid review of grammar and syntax, introduction to the reading of Latin prose with emphasis on Caesar's *Gallic and Civil War Commentaries*.

Prerequisite: Open to students who have successfully completed Latin 102, or by Placement examination.

**206 Intermediate Latin (3)**

A continuation of Latin 205.

Prerequisite: Latin 205.

**303 Cicero's Orations (3)**

A study of representative speeches in their literary and historical contexts.

Prerequisite: Latin 206 or the equivalent.

**304 Vergil (3)**

Selections from the *Aeneid* will be read.  
Prerequisite: Latin 303, or the equivalent.

**311 Roman Historiography (3)**

Survey of Roman historical literature. Concentration on Livy and Sallust.  
Prerequisite: Latin 304 or the equivalent.

**312 Roman Historiography (3)**

A continuation of Latin 311. Readings in Tacitus and Suetonius.  
Prerequisite: Latin 311.

**313 Roman Comedy (3)**

Representative plays of Plautus and Terence will be read.  
Prerequisite: Latin 304 or the equivalent.

**314 Roman Satire (3)**

Survey of Roman satirical literature with emphasis on Horace and Juvenal.  
Prerequisite: Latin 304 or the equivalent.

**411 Directed Reading (1-3)**

Advanced study of Latin literature. Specific content to be determined by consultation with the instructor.

Prerequisite: Four 300 level courses.

**412 Directed Reading (1-3)**

A continuation of Latin 411.  
Prerequisite: Latin 411.

**413 Special Problems (3)**

Reading and research in specialized subject-areas or genres; introduction to classical scholarship.

Prerequisite: Latin 412.

**414 Special Problems (3)**

A continuation of Latin 413.  
Prerequisite: Latin 413.

## CLASSICS

The following courses are taught in English translation. No knowledge of Greek or Latin is required or assumed. These courses may be taken as electives, or, with the exception of Classics 104 and 105, applied to the minimum degree requirement in Humanities. They may *not* be applied to the requirement in Language. No more than three may be applied to the major in Classical Studies. No course is prerequisite to any other.

**104 Ancient Mythology: Egyptian and Near Eastern (3)**

Various mythological systems will be discussed and compared, with emphasis on the myths of Sumer, Babylonia, Assyria, the Hittites, Canaanites and Egyptians.

**105 Ancient Mythology: Greek and Roman (3)**

A study of Greek and Roman mythology considered in its cultural and literary contexts.

**107 Ancient Epic (3)**

Historical backgrounds and study of the ancient epic tradition as a whole. Reading and analysis of the *Gilgamesh*, Homer's *Iliad* and *Odyssey*, Apollonius' *Argonautica* and Vergil's *Aeneid*.

**109 Classical Drama: Tragedy (3)**

A survey of Greek and Roman tragedy as represented by the works of Aeschylus, Sophocles, Euripides and Seneca.

**110 Classical Drama: Comedy (3)**

A survey of Greek and Roman Comedy as represented by the works of Aristophanes, Menander, Plautus and Terence.

**113 Greek and Roman Personal Poetry (3)**

Elegiac, Iambic, Lyric and Pastoral poetry of the Greeks and Romans. Emergence of the individual and the reflection of his temperament in verse. Works of Sappho, Alcaeus, Anacreon, Catullus, Horace, Tibullus, Propertius, Ovid and others will be read and discussed.

**114 Ancient Satire (3)**

The beginnings and development of satirical literature at Rome and the later Greek adaptation of the genre. Concentration on the works of Horace, Juvenal, Martial and Lucian.

**116 The Greek and Roman Novel (3)**

Classical antecedents of fictional literature. A study of the Greek Romance and Roman novelistic writing. Longus, Heliodorus, Petronius and Apuleius will be read.

## COMPUTER SCIENCE

**91 Introduction to the Computer (3)**

A non-mathematical non-programming discussion of how computers work and a consideration of the social, political, and ethical problems of a computerized environment. Lectures, three hours per week.

**102 FORTRAN Programming (3)**

An introduction to the FORTRAN programming language is presented following a brief survey of the structure and organization of digital computers. Illustrative problems chosen from the social sciences and natural sciences are programmed, keypunched, and made operative by the students. No previous knowledge of computers is assumed. Lectures, three hours per week.

**103 Computer Applications in the Social Sciences (3)**

A continuation of Computer Science 102. Students use basic data processing techniques to solve research problems in their major social sciences disciplines. Lectures, three hours per week.

Prerequisite: Computer Science 102 or permission of the instructor.

**105 COBOL Programming (3)**

An introduction to COBOL, the basic programming language used for implementing business and other data processing operations on digital computer systems. The principal applications are the organization and processing of data files. Programs are written, punched, and made operative by the students. No previous computer experience necessary. Lectures, three hours per week.

**117 Introduction to Computational Mathematics (3)**

A systematic study of FORTRAN programming techniques with applications to calculus and other mathematical problems. No prior knowledge of computers will be assumed. Lectures 3 hours per week; laboratories 0 hours per week.

Prerequisite: Mat 120.

NOTE: No student who has taken CS 117 may subsequently take CS 102.

**EDUCATION****Teacher Certification**

The department of education seeks to prepare professional persons for a variety of fields in education. This is accomplished by a cooperative effort with the State Department of Education in the development and presentation of programs leading to teacher certification and with College of Charleston academic departments.

Since all programs have certification by the State Department of Education as their objective, they are coordinated in the Department of Education. Students desiring to be recommended for state certification in any teaching area must make application for admission to the appropriate teacher education program as early as possible in their college career, but not later than the end of their sophomore year. This early commitment to the program of teacher education is the first step in a process which is intended to culminate with an individual's graduation, recommendation for certification, and entry into education as a career.

Upon completion of the application students are assigned to an advisor in the Education Department. Students are responsible to meet with this advisor and have a specified program of courses approved. Early advising is designed to insure that a student's collegiate work will include:

- (1) the courses required under the minimum degree requirements of the College,
- (2) those courses specified by the State Board as the basic college program for early childhood, elementary, secondary, or special education certification,
- (3) those courses specified as necessary for early childhood, elementary, special education, or secondary certification which additionally necessitates subject requirements. It is possible for a student to graduate from the College with an education major or a major in a subject field and be deficient in required hours in courses needed for certification. It is the student's responsibility to keep up to date on requirements in specific certification areas by meeting periodically with his advisor in the Education Department. No general statements can be made as these requirements are subject to change by the State Department of Education.

## ELEMENTARY EDUCATION

*The Major:* This program is designed for students who intend to become certified to teach in elementary schools in the state of South Carolina. The major consists of thirty-six semester hours and includes the following recommended courses; Education 303, 307, 308, 309, 311, 317, 318, 319, 320, 321, 340, 401.

**201 Introduction to Education (3)**

A course intended to familiarize the student with current trends in American public education. Brief study of organization, administration, curriculum, personnel policies, and student populations both in terms of the present and historically.

**303 Child Growth and Development (3)**

An introduction to child behavior and development from birth to early adolescence. Emphasis upon intellectual development and the socialization process.

Prerequisite: A General Psychology course or permission of instructor.

**306 Elementary School Science (3)**

The basic content for the elementary school science program will be explored. Students will become familiar with the materials and teaching techniques used in the various areas of the science curriculum.

**307 Elementary School Curriculum (3)**

Principles and practices in adapting the curriculum to the needs of elementary school children.

Prerequisite: Permission of instructor.

**308 Teaching of Arithmetic in the Elementary School (3)**

Modern concepts of elementary school mathematics. Materials and teaching procedures.

Prerequisite: Permission of instructor.

**309 History and Philosophy of Education (3)**

A study of philosophical problems which have educational implications. A brief study of importance of the past as it influences the present.

Prerequisite: Permission of instructor.

**311 Literature for Children (3)**

A review of old and new literary materials suitable for elementary school children. The art of story-telling, teaching techniques, various literary forms, and integration of literature with other facets of the curriculum will be emphasized.

Prerequisite: Permission of instructor.

**314 Educational Psychology (3)**

An introductory study of some of the major theorists and psychologists who have had an impact on contemporary educational practices and learning theory. Students will become familiar with research done in the areas of motivation, behavior and discipline, and classroom management. When possible, field experiences will be provided.

**317 Mathematics for the Elementary School Teacher I (3)**

Notation systems, sets, relations, and other topics commonly covered in an elementary school mathematics program.

Prerequisite: Permission of instructor.

- 318 Mathematics for the Elementary School Teacher II (3)**  
Informal geometry and basic concepts of algebra.  
Prerequisite: Permission of instructor.
- 319 Art for the Elementary School Teacher (3)**  
Experiences with design and color, materials and processes, child growth and development of art. Problems and procedures for development of art-skills and learning for elementary school children.  
Prerequisite: Permission of instructor.
- 320 Music for the Elementary School Teacher (3)**  
An examination of objectives, content, instructional materials, teaching practices and procedures for music classes at the elementary school level.  
Prerequisite: Permission of instructor.
- 321 Health for the Elementary School Teacher (3)**  
Health needs of children: objectives, curriculum, principles and procedures of conducting a health program for elementary school children.  
Prerequisite: Permission of instructor.
- 322 Social Studies for the Elementary School Teacher (3)**  
Curriculum, instructional approaches, and materials for teaching social studies in elementary school.  
Prerequisite: Permission of instructor.
- 323 Foundations of Librarianship (3)**  
The history and development of the library as a cultural, fundamental institution of society; librarianship as a profession; the range of library services on all levels; principles and objectives of library organization.
- 330 Communication and Language Arts for the Linguistically Different Child**  
The course will focus upon the nature and function of language, normal language acquisition in children, dialect variations and their implications for learning communication skills. Emphasis will be placed upon developing techniques and materials to teach language skills to non-standard speakers of English.  
Prerequisite: Permission of instructor.
- 340 Teaching of Reading in the Elementary School (3)**  
Study of reading skills in relation to the psychological bases; developmental principles; historical and current issues in reading practices.  
Prerequisite: Permission of instructor.
- 345 Methods and Materials of Teaching Mathematics in the Elementary School (3)**  
Study of curriculum, methodology, and materials for teaching modern mathematics.
- 401 Directed Teaching in the Elementary School (6)**  
Students are placed in local elementary schools to observe, teach and participate during the entire school day for one half of the college semester. Weekly seminar periods are held on campus during the entire semester.  
Students should pre-register with the Education Department for practice teaching at least one term prior to the term in which they intend to formally enroll in the course. The deadline for fall semester pre-registration is August 1, for Spring semester pre-registration it is November 1.  
Prerequisites: EDU 303, 307, 308, 309, 311, 317, 318, 319, 320, 321, 340, or permission of instructor.

**440 Methods and Materials for Reading Instruction (3)**

An analysis of trends and practices in the teaching of reading, materials and their utilization, critical review of literature in selected areas.

Prerequisite: Permission of instructor.

**441 Diagnosis and Correction of Reading Difficulties (3)**

Emphasis is on diagnostic procedures and remediation of reading disability. Correction is diagnostically based.

Prerequisite: Permission of instructor.

**442 Practicum in Reading (3)**

A supervised practicum stressing procedures and materials for corrective work, group and individual.

Prerequisite: Permission of instructor.

**450 Measurement and Evaluation of Student Performance (3)**

Nature and function of measurement in education. Standardized tests and scales. Simple statistical and item analysis techniques for classroom use in constructing and evaluating teacher-made tests.

**EARLY CHILDHOOD EDUCATION****297 The Young Child (3) (Behavior and Development in Early Childhood)**

A study of the physical, emotional, intellectual and social components of development, their interrelationships, and their effect on later functioning will be made. Pertinent research data will be brought together and evaluated. The students, under supervision, will observe and participate in a laboratory situation involving young children.

Prerequisite: Permission of instructor.

**298 Teaching in the Preschool (3)**

Teacher's role in learning, play, schedule, routine, and discipline in nursery school and kindergarten. Materials and methods for preschool programs.

Prerequisite: Permission of instructor.

**299 Curriculum for Preschool Children(3)**

The course covers the major academic areas that are a part of the curriculum for early childhood education. Special emphasis is placed on science, mathematics, social studies, art, music, health, and physical education as they relate to the curriculum in early childhood education.



**SECONDARY EDUCATION**

*The Major:* This program is designed for students who intend to become certified to teach in secondary schools in the state of South Carolina. The major consists of a minimum of twenty-four hours in professional education courses and the required hours in a subject field for state certification. The professional courses must include: Education 309, 305, 304 or 314, 302, & 403. (Students seeking certification in Fine Arts or Physical Education must take Education 303 in lieu of Education 309.)

**201 Introduction to Education (3)**

A course intended to familiarize the student with current trends in American public education. Brief study of organization, administration, curriculum, personnel policies, and student populations both in terms of the present and historically.

**302 Techniques of Teaching (3)**

A study of teaching as a science; work with role playing, simulation, utilization of psychological concepts in the presentation of data, the writing of educational objectives.

Prerequisites: Ed. 304 or 314, 305, 309 or permission of instructor.

**304 Secondary Education (3)**

An examination of modern American high schools, methods of funding, legal aspects of teaching, patterns of organizing curriculums. Examination of faculty rights and responsibilities—visitation and observation in schools—school board meetings—P.T.A. meetings.

Prerequisite: Permission of instructor.

**305 Human Growth and Development (3)**

A personal examination of behavioral patterns of school-aged children. Visitation 2 hours per week in public schools observing children and adolescents at specified grade levels. Study of relevant printed data.

**309 History and Philosophy of Education (3)**

A study of philosophical problems which have educational implications. A brief study of importance of the past as it influences the present.

Prerequisite: Permission of instructor.

**310 Principles of Guidance and Counseling (3)**

A basic course dealing with the development of the guidance movement, the services rendered under the heading of guidance and counseling, and current theories of counseling.

**314 Educational Psychology (3)**

An introductory study of some of the major theorists and psychologists who have had an impact on contemporary educational practices and learning theory. Students will become familiar with research done in the areas of motivation, behavior and discipline, and classroom management. When possible field experiences will be provided.

**315 Introduction to Educational Television (3)**

A general course covering the following: the uses of television in education, the nature of the medium, basic production and technical terminology, general coverage of the fundamental electronics of television, survey of the history of television, and the uses of television in teaching machines. Limited studio experience.

**341 Teaching of Reading in Secondary School (3)**

Methods and materials of teaching basic and developmental reading skills; programming special services in reading instruction. Demonstrations of tests and devices. Required for English majors seeking state certification.

**342 The School Art Program (3)**

A general methods course in the teaching of art with emphasis on organizing the school art program. Planned for persons preparing to teach art or supervise art programs in the elementary or secondary schools. Required for Art majors seeking state certification.

**400 Senior Paper in Education (3)**

For Secondary Education majors only. A research study in a local high school utilizing recognized research tools in the field of education. Topic must be developed by the student through a survey of relevant literature and narrowed to a manageable topic through discussion with the instructor. Paper must be completed in one term.

**403 Directed Teaching in the Secondary School (6)**

Enrollment in this course is dependent upon previous written application and approval by the department. Students are placed in cooperating local schools in subject matter fields. Directed Teaching is a laboratory class which requires daily participation in the activities of an assigned classroom and in periodic on-campus seminars.

Prerequisites: Education 309, 305, 304 or 314, 302, specific area courses, or permission of the instructor.

**417 Basic Production Techniques in Educational Television (3)**

A laboratory course in which the student becomes familiar with the television camera, VTR, production console, film chair and all associated studio equipment. He will work in producing and directing at least one 30 minute ETV program during the semester after extensive work on camera, the audio and video control boards, and the film chair.

Prerequisite: Education 315.

**450 Measurement and Evaluation of Student Performance (3)**

Nature and function of measurement in education. Standardized tests and scales. Simple statistical and item analysis techniques for classroom use in constructing and evaluating teacher-made tests.

## SPECIAL EDUCATION

The Department of Education offers courses which will enable a student majoring in Elementary or Secondary Education to become certified to teach handicapped and normal children in South Carolina.

A student must major in either elementary or secondary education and take those additional special education courses specified by the South Carolina State Board of Education in order to become dually certified. Students may choose to emphasize the teaching of mentally handicapped or learning disabled children but are advised to meet with one of the faculty members in special education prior to the junior year to help plan his/her program.

*NOTE: One must have valid certification in Elementary or Secondary Education before certification is obtainable in Special Education*

**306 Elementary School Science (3)**

The basic content for the elementary school science program will be explored. Students will become familiar with the materials and teaching techniques used in the various areas of the science curriculum.

**314 Educational Psychology (3)**

An introductory study of some of the major theorists and psychologists who have had an impact on contemporary educational practices and learning theory. Students will become familiar with research done in the areas of motivation, behavior and discipline, and classroom management. When possible field experiences will be provided.

**411 Characteristics of Learning Disabilities (3)**

An introductory course. Study of etiology, characteristics, educational provisions and procedures associated with learning disabled children. Includes field experiences with learning disabled persons.

**412 Educational Procedures for the Learning Disabled (3)**

Educational procedures in teaching learning disabled children. Includes field work with learning disabled persons.

**414 Applied Learning Theory (3)**

Course designed to teach the use of empirically based methods for changing behavior in a school setting. Emphasis is on the individualizing of learning experiences to best meet each child's needs.

**420 Introduction to the Education of Exceptional Children (3)**

Introduction to programs, problems, and procedures of working with children who are exceptional—mentally, physically or emotionally. Focuses on children who have problems of vision, hearing, speech, as well as those with physical and neurological defects. Some attention is given to recent research dealing with the exceptional child and special education programs.

**421 Psychology of Mental Retardation (3)**

Psychological aspects of mental retardation; learning, motivation, and personality development.

**422 Educational Procedures for Teaching the Mentally Retarded (3)**

Study, selection, preparation of curricular materials; methods of teaching retarded children within the pre-adolescent and adolescent range.

**425 Educational Procedures for Teaching the Emotionally Disturbed Child (3)**

A study of educational techniques, materials, and equipment used in teaching emotionally disturbed children. Curriculum for both classroom and individual clinical teaching is included.

Prerequisite: Education 426.

**426 Characteristics of the Emotionally Handicapped (3)**

An introductory study of causes, characteristics and educational practices associated with emotionally handicapped persons. Includes field experiences with emotionally handicapped persons.

**430 Teaching Math to the Mentally Handicapped (3)**

Course designed to prepare students to use the methods and materials necessary for teaching math to the mentally handicapped. Field experience required.

Prerequisite: EDU 421 or permission of instructor.

- 431 Teaching Language Arts to the Mentally Handicapped (3)**  
 Course designed to prepare students to teach the necessary language skills to the mentally handicapped. Field experience required.  
 Prerequisites: EDU 421 or permission of instructor.
- 432 Physical Education and Recreation for the Exceptional Child (3)**  
 Course designed to prepare the student to construct and implement an appropriate physical education and recreation curriculum for the handicapped learner. Field experience required.  
 Prerequisite: EDU 420 or permission of instructor.
- 437 Educational Assessment of the Handicapped Learner (3)**  
 Course designed to prepare students to select, administer and interpret formal and informal educational assessment instruments and techniques. The application of findings to the instruction of the handicapped learner.
- 438 Assessment of Intellectual and Language Development of the Exceptional Child (3)**  
 A course designed to familiarize the student with the administrative procedures and the educational interpretation of various measures of intellectual and language development such as the Wechsler Intelligence Scale for Children, Wechsler Pre-school and Primary Scale of Intelligence and Illinois Test of Psycholinguistics Abilities, as related to the exceptional child.  
 Prerequisite: Education 420.
- 439 Directed Teaching in Special Education (6)**  
 Course designed to provide students with an extensive supervised experience in teaching exceptional children. Each student will be placed in a special education setting commensurate with his area of emphasis within special education.

## DISTRIBUTIVE AND VOCATIONAL EDUCATION

- 370 Methods of Trade Teaching (3)**  
 This course provides basic instruction to beginning teachers in trade work. It includes psychological factors of learning, individual differences, methods of teaching subjects, special methods used in teaching skills, grading of students, and keeping proper records and reports.
- 371 History and Philosophy of Industrial Education (3)**  
 The course deals with development of industrial education, aims and objectives of vocational industrial education and industrial arts education, basic laws and trends in federally aided programs, state plans, and changes in practices due to changing philosophies and technological development.
- 372 Human Relations in Industry (3)**  
 This course treats important phases of the application of psychology to industrial problems. It consists of a study of labor problems, labor legislation, employment conditions, and the labor movement. It also aims to provide all students with a background against which they can interpret and evaluate significant developments in the field of labor relations.
- 373 Teaching Industrial Subjects (3)**  
 Effective methods and techniques of teaching industrial subjects is the focus of this course. Emphasis is given to class organization, preparation of lesson outlines, and audio-visual aids. The course is required for all trade and industrial instructors. The other courses listed are elective.

**460 Development, Structure, and Operation of the Distributive Education Program (3)**

The philosophy and development of vocational education with emphasis on Federal, state and local relationships in distributive education. Organization and operation of balanced distributive education programs on the secondary post-secondary and adult levels including project and cooperative methods, curriculum, coordination techniques and public relations.

**461 Supervision of the Distributive Education Program (3)**

The role of the teacher-coordinator as a supervisor of a total program of distributive education in a community. Advanced study of methods and techniques in program administration with emphasis on recent research findings, curriculum developments, and operational techniques. For experienced teacher-coordinators of distributive education.

**462 Supervision of the Adult Program in Distributive Education (3)**

Emphasis upon the planning and development of well-balanced adult programs in distributive education. Methods used in the selection, training, and supervision of part-time instructors in the adult program.

**463 Leadership Development in Distributive Education (3)**

The development of leadership qualities for supervisors of distributive education programs. Emphasis upon the supervisor and his job; principles of delegation, conference leading, decision making, program planning and evaluation, and in-service training. For experienced teacher-coordinators and directors of distributive education programs.

NOTE: The specific requirements for certification by the South Carolina State Board of Education are listed earlier in this section. Majors in Elementary Education and Secondary Education are urged to make themselves familiar with these requirements so that they may include the appropriate courses in their baccalaureate program.

## ENGLISH

*The Major:* Thirty-six semester hours, of which at least twenty-four must be from courses at or above the 300 level and which must include English 201 and 202; English 301 or 302, English 304 or 306; three semester hours of early American literature (English 205 or 342 or 343); and three semester hours of later American literature (English 206 or 344 or 345).

English 101 and 102 are prerequisites for all English courses at or above the 200 level.

For English majors, English 201 and 202 are prerequisites for all English courses at or above the 300 level.

**01 Basic Writing Skills (3)\***

A rigorous study of the fundamentals of standard English grammar and of the formulation of grammatical sentences, leading to the writing of the paragraph.

\*Credit hours for this course will not be applied toward degree requirements.

**101 Composition and Literature (3)**

A study of the techniques of expository and argumentative writing. Composition stresses organization, coherence, structure and mechanics. Essays and short stories are used for stylistic analysis and composition topics.

**102 Composition and Literature (3)**

An introduction to literary types, considered as art forms and as expressions of the range of possibilities in human experience.

Prerequisite: English 101 or its equivalent.

**104 Public Speaking (3)**

The fundamentals of oral communication as they pertain to public speaking. An introduction to the techniques and skills involved in preparing and delivering various types of speeches. Attention is given to voice, diction, and platform presence.

**201 Major British Writers (3)**

Intensive study of major works of representative authors, including Chaucer, Shakespeare, Milton, Swift, and Pope. Emphasis is on close reading and analysis rather than on literary history. Lectures on intellectual backgrounds.

**202 Major British Writers (3)**

Intensive study of major works of representative authors, including Wordsworth, Coleridge, Keats, Tennyson, Browning, Yeats, Eliot, and one Nineteenth or Twentieth century novel. Emphasis on close reading and analysis rather than on literary history. Lectures on intellectual backgrounds.

**203 Survey of European Literature (3)**

A survey of the literature of Europe in English translation (exclusive of British literature) from Biblical times through the Renaissance. Cross listed as Comparative Literature 201.

**204 Survey of European Literature (3)**

A survey of the literature of Europe in English translation (exclusive of British literature) from Neo-Classicism through the Twentieth Century. Cross listed as Comparative Literature 202.

**205 American Literature to 1865 (3)**

A survey of American literature from the beginnings to the Civil War.

**206 American Literature, 1865 to the Present (3)**

A survey of American literature from the Civil War to the present.

**210 English Semantics (3)**

A survey of various approaches to the semantics of the English language, from the late Seventeenth Century to the present, concluding with an introduction to generative semantics. Discussion of the use of words and their meanings in modern life and in the media.

**211 Oral Interpretation (3)**

A study of the form and content of poetry and prose literature as they affect the performance of the oral interpreter.

**212 The Cinema: History and Criticism (3)**

An introduction to the critical appreciation and history of the motion picture, with special emphasis upon the place of the film within the liberal arts, dealing generally with the types and forms of the feature film, their background and development, and aiming to create an increased critical awareness of the basic elements of the filmmakers' art.

**213 Debate (3)**

Development of skill in investigative techniques and in logical reasoning in questions of public concern; the presentation of sound evidence in advocating policies; a study of the principles of controlling (influencing) the beliefs of individuals and groups.

**214 Journalism (3)**

Newspapers as one of the mass media. The history of, and the laws and ethics relating to, newspapers in the United States; the social, economic, and political roles of newspapers in a modern democracy. A brief survey of kinds of newspaper writing. An introductory course for those considering journalism as a career and those interested as critical readers.

Prerequisites: English 101-102.

**301 Shakespeare: The Early Period (3)****302 Shakespeare: The Later Period (3)****303 Modern English Grammar (3)**

A study of grammatical analyses, with emphasis upon transformational-generative grammar.

**304 Chaucer (3)**

Selections from his major poetical works in the original.

**305 Advanced Composition and Rhetoric (3)**

A detailed consideration of rhetoric (classical and modern); the use of rhetorical principles in one's own writing.

**306 Milton (3)**

The poetry and selected prose of John Milton.

**307 Introduction to Old English (3)**

An introduction to the Old English language with selected readings of prose and poetry from the Seventh through the Eleventh Century, and the epic poem *Beowulf* in translation.

**311 Medieval Literature: Non-Chaucerian (3)****312 History of the English Language (3)**

The history and development of the English language, tracing its descent from prehistoric Indo-European to Modern English, with attention especially to phonology, morphology, and vocabulary.

**313 Afro-American Literature (3)**

A survey of Afro-American literature from the mid-Eighteenth Century to the present.

**314 Non-Dramatic Literature of the Renaissance (3)**

A survey of poetry and prose from 1500 to 1620, with emphasis on the Oxford reformers, the rise of the lyric and of prose narration, Sidney and the sonneteers and Spenser.

**317 The Seventeenth Century (3)**

A study of poetry and prose of seventeenth century England; Donne, Herbert, Marvell, Bacon, Browne, Hobbes, Locke.

**318 The Eighteenth Century (3)**

A study of poetry and prose of eighteenth century England.

**319 Literary Criticism (3)**

Major critical approaches to literature, in theory and practice, from Aristotle to the present.

**320 Literature for Adolescents (3)**

A critical study of literature relevant to the adolescent, incorporating major literary genres and appropriate media.

**321 The Romantic Period: Poetry and Prose (3)****323 The Victorian Period: Poetry and Prose (3)****325 Twentieth Century British Literature (3)**

A study of representative writers of the period.

**327 The English Novel: I (3)**

A study of the major English novelists of the Eighteenth Century.

**328 The English Novel: II (3)**

A study of the major English novelists of the Nineteenth Century.

**334 Creative Writing (3)**

Open with permission of instructor.

**335 Modern Poetry (3)**

A study of the specific nature and development of Twentieth Century British and American poetry, limited to selected major figures: Yeats, Eliot, Pound, Hopkins, Frost, Stevens, and Thomas.

**337 English Drama to 1642 (3)**

A study of selected plays from the medieval beginnings of English drama to the closing of the theatres in 1642, Shakespearean plays excluded.

**338 Modern Drama (3)**

A study of the significant developments in English and American drama from Shaw to the Theatre of the Absurd.

**339 Advanced Creative Writing (3)**

Open with permission of the instructor.

Prerequisite: English 334.

**340 Restoration and Eighteenth Century Drama (3)**

English drama from the reopening of the theatres in 1660 to the end of the Eighteenth Century.

**341 Southern Literature (3)**

A study of the nature and development of Southern literature from the late Eighteenth Century to the present.

**342 Colonial and Revolutionary American Literature (3)**

Intensive study of major writers of the period.

**343 Nineteenth Century American Literature, I (3)**

Intensive study of major writers of the first half of the century.

**344 Nineteenth Century American Literature, II (3)**

Intensive study of major writers of the last half of the century.

**345 Twentieth Century American Literature (3)**

Intensive study of major writers since 1900.



**400 Seminar (3)**

A detailed study of an author, topic, or genre. Open to junior and senior English majors with permission of the department.

**401 Studies and Problems (3)**

Special studies, developed by visiting lecturers or individual department members, designed to supplement or to investigate more fully offerings in the department. Announcement of the particular subject is made prior to registration for the term in which offered. Offered at the discretion of the department and open to students with permission of the instructor.

**404 Independent Study (1-3)**

Research in a specified area, in consultation with a department member who will guide the work and determine the hours of credit to be allowed. Open to juniors and seniors with permission of the department.

**406 Bachelor's Essay (6)**

Research and writing extending over both semesters of the senior year, carried on under the guidance of a department member, leading to a thesis on a specific topic.

36 hrs. to include: 405

**FINE ARTS**

The Fine Arts Department offers a liberal arts program consisting of the areas of *Art and Architectural History*, *Studio Art*, *Music*, and *Drama*, with concentrations available in any one or a combination of these areas, leading to the B.A. degree in Fine Arts.

The specific requirements for each concentration are available at the Fine Arts department office, 74 George Street, and students are strongly urged to contact the chairman of the department as soon as possible, so that a specific sequence of courses may be worked out for each student's needs.

**NOTE:** The course numbers for all Fine Arts courses were changed in the 1976-77 bulletin. The number in parenthesis after each course title designates the *former* number.

**ART AND ARCHITECTURAL HISTORY****101 Art Appreciation: The Language and Composition of the Visual Arts (3)**  
(FNA 103)

Including general discussions of the definition of "art," the criteria for judging quality in a work of art, and how the visual formal elements convey expressive content in art. Also a discussion of art as an expressive human language to be used by everyone in a creative approach to life.

**102 Art History Survey (3)**  
(FNA 105)

A general survey of selected works of architecture, sculpture, painting, and the decorative arts from Pre-history to the Renaissance. A study of these works with respect to their historical and cultural contexts.

**103 Art History Survey (3)**  
(FNA 106)

A continuation of Art 102—from the arts of the Renaissance to today.

Prerequisite: Art 102 or permission of instructor.

- 201 Survey of American Art (3)** (FNA 201)  
Stressing major stylistic movements and artists in architecture, sculpture, painting, and decorative arts from Colonial days to the present.  
Prerequisite: Art 102, 103 or permission.
- 203 History of Graphic Art (3)** (FNA 202)  
Survey of prints and printmaking from their origins in the 15th century to present day. Consideration will be given to the overall effects of mass communication, via prints, as well as to technical and stylistic developments, and to questions of connoisseurship.
- 205 Major Themes in Art (3)** (FNA 205)  
An in-depth analysis of the iconology of a selected theme or subject, with a consideration of the relation of the theme to the demands of the patrons, and the philosophical thought, religious beliefs, and cultural environment of the artist and his times. The course is conducted as a seminar, with each student choosing his own theme, artist, or work of art.  
Prerequisite: Art 101 strongly recommended.
- 206 City Design in History (3)** (FNA 230)  
A study of the history, aesthetics and philosophies of environmental planning from the earliest pre-historical ceremonial sites to the new towns and cities of the present day. Emphasis will be given to physical problems involved in urban design including analysis of the impact that architecture and garden design have had on the city through history.
- 301 History of Ancient Art (3)** (FNA 301)  
Study of the developments of western art from Pre-historic times to the end of the Roman Empire. Questions concerning the origins of art, the development of Egyptian and Greek architecture, sculpture, and painting, and the Hellenic and Italic components of Roman art, which will be seen as the ultimate stage in the evolution of the art of antiquity and its transformation into the art of the Early Middle Ages.  
Prerequisite: Art 101 or 102 or permission of instructor.
- 302 History of Medieval Art (3)** (FNA 302)  
Studies in the historical development of the art styles of Early Christian and Byzantine, Carolingian, Romanesque and Gothic periods. Works of architecture, sculpture, and painting (particularly manuscript illuminations) will be included.  
Prerequisite: Art 101 or 102 or permission of instructor.
- 303 History of Renaissance Art (3)** (FNA 303)  
Renaissance art principles as developed in architecture, sculpture, and painting in Italy during the 14th through 16th centuries. Also consideration of the spread and transformation of Renaissance style in Northern Europe.  
Prerequisite: Art 101 or 103 or permission of instructor.
- 305 History of Baroque Art (3)** (FNA 304)  
Historical study of the stylistic developments of 17th century European architecture, sculpture, and painting—from the late Renaissance to the end of the 18th century.  
Prerequisite: Art 101 or 103 or permission of instructor.
- 307 History of European Painting 1750-1900 (3)** (FNA 349)  
Examines Neo-Classicism in relation to the Enlightenment, the rise of Romanticism between 1800 and 1830, and the response of Realism, Impressionism, and Symbolism to the crisis of tradition in art occurring around 1850.  
Prerequisite: Art 101 or 103 or permission of instructor.

- 308 History of Modern Art (3)** (FNA 315)  
This course will consider the stylistic developments of modern art in Europe and the USA; how it differs from the art of the past, and what it expresses about our times.  
Prerequisite: Art 101 or 103 or permission of instructor.
- 309 Seminar: Comparison of the Arts of the East and West (3)** (FNA 312)  
A study of stylistic similarities and differences between the arts of the Orient—especially India, China, and Japan—and the arts of the Western European world.  
Prerequisite: Art 101 or 102-103.
- 310 Space, Structure, and Urban Design in Ancient Times (3)** (FNA 350)  
The evolution of city form from neolithic settlements to the end of the Roman era. The development of architectural theory and form in the cultures of the ancient western world. Analysis of spatial concepts and structural systems through examination of selected monuments and urban complexes.  
Prerequisite: Art 102, 206, or permission of instructor.
- 311 Space, Structure, and Urban Design in the Middle Ages (3)** (FNA 352)  
Study of the medieval city through analysis of its physical format. The architecture of the period will be examined in terms of evolving structural methods, spatial organization and role as urban monument.  
Prerequisite: Art 102, 206, or permission of instructor.
- 312 Space, Structure, and Urban Design in the Modern World (3)** (FNA 354)  
Romantic Classicism and the Picturesque Tradition of the late 18th and 19th centuries. The impact of industrialization on architectural theory, structure and the modern city. Utopian planning of the 19th and 20th centuries and the development of recent architectural theory and form.  
Prerequisite: Art 103, 206, or permission of instructor.
- 401 Seminar: American Art (3)** (FNA 400)  
The seminar is intended to allow students initially exposed to American Art through Art 201 the opportunity to investigate particular problems in American painting, sculpture, architecture or the decorative arts in greater depth.  
Prerequisite: Art 201 or permission of instructor.
- 412 Seminar: 20th Century Theories of Design (3)** (FNA 454)  
Study and criticism of selected currents of thought in 20th century architecture and design. Topics selected from such areas as: theories of change or revolution in culture and art; concepts of expression, image, and symbol; problems of rational functional, or social analysis; perception of space.  
Prerequisite: Art 103, 206, or permission of instructor.
- 413 Seminar: Theories of Art History (3)** (FNA 403)  
Emphasizing the general principles involved in the study of the History of Art, including discussions of the different approaches to art history, such as Wolfflin's stylistic approach, Hauser's social history approach, Arnheim's psychology of visual perception approach, and Panofsky's iconology approach.  
Prerequisite: Art 102, 103 and one art history course at the 300 level.
- 414 Seminar: Selected Topics in Art and Architectural History (3)** (FNA 415)  
Concentrated investigation of specific problems in art and architectural history as announced when offered.  
Prerequisite: Permission of instructor.

- 415 Senior Independent Study in Art and Architectural History(3)** (FNA 405)  
The student who has taken an appropriate sequence of preparatory courses in one area or problem of Art and Architectural History, determines a project in consultation with a department member qualified to guide and judge the work.  
Open to seniors only, with permission of the department.

### STUDIO ART

- 116 Principles of Visual Art: Basic Drawing (3)** (FNA 101)  
Studio course in drawing. Study of line, tone, form, texture, and space division in developing expressive visual structure. Media include charcoal, pencil, pen and ink, wash.  
Corequisite or prerequisite: Art 101 Art Appreciation.
- 117 Principles of Visual Art: Basic Painting (3)** (FNA 102)  
Visual studies to develop an understanding of the structure and expression of color and of different painting techniques. Various media will be used.  
Prerequisite: Art 116 or permission of instructor.
- 216 Intermediate Drawing and Painting (3)** (FNA 203)  
Further studies in the techniques of drawing and painting; work from models, still life, and imagination. Special problems in color and abstract design.  
Prerequisite: Art 116, 117 or acceptable previous training.
- 217 Painting and Related Media (3)** (FNA 204)  
Continuation of 216, with greater emphasis on the expression and technique of the individual student. Large scale paintings, additional study in the use of various painting media.  
Prerequisite: Art 216.
- 218 Introduction to Printmaking (3)** (FNA 305)  
The nature and fundamental techniques of the graphic art processes, including an introduction to and exploration of basic relief and intaglio printing techniques. Consideration given to problem of visualizing expressive images appropriate to the print as an art form.  
Prerequisite: Art 216 or permission of instructor.
- 219 Printmaking II: Intaglio (3)** (FNA 306)  
Drypoint, etching, aquatint as applied to metal and plastic plates, using a press for printing. Emphasis on expressive composition as well as techniques.  
Prerequisite: Art 218.
- 220 Introduction to Sculpture (3)** (FNA 310)  
To train the student to visualize in 3-dimensional space and to develop sensitivity to and expression through form, structure, space and texture. Different materials and forming processes will be used.
- 221 Sculpture II (3)** (FNA 347)  
Dealing with the problems of concept and execution of sculpture, this course will acquaint the student with further techniques in modeling, moldmaking, casting of various materials, and carving.  
Prerequisite: Art 220 or submission of an acceptable portfolio.
- 316 Advanced Painting I (3)** (FNA 316)  
Further development of the language skills needed to express clear visual thought. Emphasis on color and drawing and on overall composition in relation to the painter's intention and achievement.  
Prerequisite: Art 217.

- 317 Advanced Painting II (3)** (FNA 317)  
Continuation of Art 316, which is a prerequisite.
- 318 Printmaking III (3)** (FNA 378)  
Advanced study of the expressive problems and the techniques of printmaking.  
Prerequisite: Art 219.
- 319 Printmaking IV (3)** (FNA 379)  
Continuation of Art 318, which is a prerequisite.
- 320 Sculpture III (3)** (FNA 348)  
Advanced study of expression and techniques in sculpture.  
Prerequisite: Art 221.
- 321 Sculpture IV (3)** (FNA 371)  
Continuation of Art 320, which is a prerequisite.
- 322 Drawing I (3)** (FNA 309)  
Graphic study of forms and expressions of various objects and concepts—  
including the human figure—through processes of analysis and synthesis, using  
various graphic approaches, techniques and compositions.  
Prerequisite: Art 116 or permission of instructor.
- 323 Drawing II (3)** (FNA 311)  
Continuation of Art 322 with emphasis on the use of the human figure in space and  
as a compositional element. Development of figure studies in collage and other  
media.  
Prerequisite: Art 322 or permission of instructor.
- 429 Special Problems in Studio Art (3)** (FNA 401)  
Studio course adapted to the special interests, ability, and preparation of ad-  
vanced students. An intensive examination of a selected problem in studio art.  
Especially for students planning graduate work in art, and intended as prerequisite  
to Independent Study.  
Prerequisite: Permission of instructor.
- 430 Senior Independent Study in Studio Art (3)** (FNA 405)  
The student who has taken an appropriate sequence of preparatory courses in one  
area or problem of Studio Art, determines a project in consultation with a depart-  
ment member qualified to guide and judge the work.  
Open to seniors only, with permission of the department.

### MUSIC HISTORY AND LITERATURE

- 131 Music Appreciation: The Art of Listening (3)** (FNA 104)  
Introduction to the fundamentals of music necessary for intelligent listening. Musi-  
cal terminology and historical data are presented as needed, but central to the  
course is the development of more perceptive listening habits through guided  
listening to a variety of works.
- 231 History of Music Survey From Middle Ages to 17th Century (3)** (FNA 208)  
Principal musical styles of western civilization from the Middle Ages to 17th  
century are discussed through an examination of works by outstanding composers  
of each historical period. The relationship of the development of music to the  
social, political and cultural background of the period is also considered.
- 232 History of Music Survey From 18th Century to the 20th Century (3)** (FNA 209)  
A continuation of Mus. 231.

- ✓ 331 **Music of the Middle Ages (3)** (FNA 351)  
Forms and styles from the beginnings of plainchant through the 14th century.  
Prerequisite: Mus. 131 or 231 or permission of instructor.
- ✓ 332 **Music of the 15th and 16th Centuries (3)** (FNA 353)  
A study of music from Dunstable and his contemporaries through the works of Palestrina and Byrd.  
Prerequisite: Mus. 131 or 231 or permission of instructor.
- ✓ 333 **The Baroque Era (3)** (FNA 320)  
A study of the development of music from Monteverdi through Bach and Handel.  
Prerequisite: Mus. 131, 231 or permission of instructor.
- ✓ 334 **The Classic Era (3)** (FNA 322)  
A study of the development of music from c. 1750 to c. 1820.  
Prerequisite: Mus. 131, 231 or permission of instructor.
- ✓ 335 **The Romantic Era (3)** (FNA 324)  
A study of the development of music from c. 1820 to c. 1900.  
Prerequisite: Mus. 131, 231 or permission of instructor.
- ✓ 336 **The Modern Era (3)** (FNA 326)  
A study of the development of music since 1900.  
Prerequisite: Mus. 131, 231 or permission of instructor.
- ✓ 337 **Opera Literature (3)** (FNA 336)  
A study of selected operas by composers of the 18th to 20th centuries.  
Prerequisite: Mus. 131, 231 or permission of instructor.
- ✓ 444 **Seminar: Selected Topics in Music History (3)** (FNA 408)  
Concentrated investigation in various subjects in music literature as announced each semester. Possible topics are the music of a particular composer, a study of Baroque ornamentation as realized in performance practice, or iconography (visual arts in music research) including a survey of archives or prints, discussion of paintings, etc. on musical subjects, and the use of iconography in research.  
Prerequisite: Permission of instructor.
- ✓ 445 **Senior Independent Study in Music History (3)** (FNA 405)  
The student who has taken an appropriate sequence of preparatory courses in one area or problem of Music History, determines a project in consultation with a department member qualified to guide and judge the work.  
Open to seniors only, with permission of the department.

### MUSIC THEORY

- ✓ 146 **Fundamentals of Music Notation (2)** (FNA 108)  
A course designed for liberal arts students which includes the most basic introduction to standard notation of the durational, dynamic, and pitch elements of music. Students will gain a working knowledge of note values, pitch notation, clefs, accidentals, dynamics, tempo, and mood markings.  
NOTE: This course may not be applied to the major in Fine Arts, and does not satisfy the minimum degree requirement in Humanities.
- ✓ 150 **Physics of Sound and Music (3)**  
An investigation of mechanical and electronic generation of sound, propagation of sound, perception of sound and music, the acoustics of vocal and instrumental music, musical elements such as pitch, loudness and timbre, and musical constructs such as scales, temperament and harmony. The course involves only basic mathematics. This course is team taught by Physics and Fine Arts Faculty.  
Prerequisite: None.

- ✓ **246 Music Theory I (3)** (FNA 211)  
A course in fundamental principles of melody, rhythm, and harmony designed for liberal arts students. A study of scales, intervals, keys and chord usages found in tonal music, utilizing written exercises and analysis specimens.  
Prerequisite: Performance background or completion of Mus. 146.
- ✓ **246L Music Theory I Lab (1)** (FNA 211L)  
The study of musical construction including scales, intervals, keys, and chord usages found in tonal music utilizing sight singing, ear training, and keyboard exercises.  
Laboratory: 3 hours per week.  
Prerequisite: Mus. 131 or permission of instructor. It is strongly recommended that Mus. 246 and Mus. 246L be taken simultaneously.
- ✓ **247 Music Theory II (3)** (FNA 212)  
A continuation of Mus. 246, including an introduction to modulation, non-harmonic tones, secondary dominants, and chromatic harmony found in 19th century music, utilizing written exercises and analysis specimens.  
Prerequisite: Mus. 246 or satisfactory completion of proficiency examination.
- ✓ **247L Music Theory II Lab (1)** (FNA 212L)  
A continuation of Mus. 246L, including sight singing, melodic, rhythmic, and 2, 3, and 4-voice musical dictation, together with keyboard exercises.  
Laboratory: 3 hours per week.  
Prerequisite: Mus. 246L or permission of instructor. It is strongly recommended that Mus. 247 and Mus. 247L be taken simultaneously.
- ✓ **346 Music Theory III (3)** (FNA 313)  
A continuation of Mus. 247, including a review of chromatic harmony, a study of Impressionistic style, analyses of modal specimens, and an introduction to 20th century music. Ancillary keyboard and listening exercises are provided.  
Prerequisite: Mus. 247 or satisfactory completion of proficiency examination.
- ✓ **347 Music Theory IV (3)** (FNA 314)  
A continuation of Mus. 346, including a study of serialism, aleatory composition, electronic music, and computer music. Major contemporary theories of music are discussed, and a composition project is undertaken.  
Prerequisite: Mus. 346.
- ✓ **348 Musical Form and Analysis (3)** (FNA 321)  
An introduction to harmonic and contrapuntal analysis, together with a study of formal designs found in musical specimens representative of 18th and 19th century style.  
Prerequisite: Mus. 247.
- ✓ **349 Counterpoint (3)** (FNA 323)  
An introduction to modal, tonal, and atonal counterpoint, including analysis of representative musical specimens and writing exercises.  
Prerequisite: Mus. 247.
- ✓ **350 Orchestration (3)** (FNA 325)  
An investigation of performance characteristics of the orchestral instruments together with practical study of instrumental scoring. Original work and transcriptions.  
Prerequisite: Mus. 247.
- ✓ **351 Music Composition (3)** (FNA 335)  
Composition with adherence to strict forms and creative writing in various forms and media.  
Prerequisite or Corequisite: Mus. 347.

- ✓ **459 Seminar: Selected Topics in Music Theory (3)** (FNA 417)  
 Concentrated investigation of specific areas of the theory of music as announced when offered. Possible topics include: in-depth survey of 20th century theories of music, computer applications to music, perceptual and psychological/sociological behavior in music, pre-Baroque musical style.  
 Prerequisite: Permission of instructor.

- ✓ **460 Senior Independent Study in Music Theory (3)** (FNA 405)  
 The student who has taken an appropriate sequence of preparatory courses in one area or problem of Music Theory, determines a project in consultation with a department member qualified to guide and judge the work.  
 Open to seniors only, with permission of the department.

### PRACTICE AND PERFORMANCE OF MUSIC

- ✓ **161, 361 Concert Choir (1, 1) Each Repeatable Up to 4 Credits.** (FNA 161, 162, 261, 262, 361, 362, 461, 462)  
 The study and performance of choral music, both sacred and secular, from the Renaissance to the 20th century. Freshman and Sophomores enroll in 161, Juniors and Seniors enroll in 361.  
 Laboratory: 3 hours per week.  
 Prerequisite: Permission of instructor.

- ✓ **162, 362 Concert Band (1, 1) Each Repeatable Up To 4 Credits.** (FNA 119, 130, 234, 235, 363, 364, 406, 407)  
 The study and performance of original band music and orchestral transcriptions for band from the Baroque to the 20th century. Freshman and Sophomores enroll in 162, Juniors and Seniors enroll in 362.  
 Prerequisite: Permission of instructor.

- ✓ **163, 363 Instrumental Ensemble (1, 1) Each repeatable: 163 up to 2 credits, 363 up to 4 credits.** (FNA 157, 158, 257, 258, 357, 358)  
 The study and performance of chamber ensemble literature written for various smaller combinations, involving all families of orchestral instruments. Freshmen and Sophomores enroll in 163, Juniors and Seniors enroll in 363.  
 Laboratory: 3 hours per week.  
 Prerequisite: Permission of instructor.  
 NOTE: No more than 8 credits from any combination of Instrumental Ensemble and Concert Band may be applied towards graduation requirements.

- ✓ **164 Voice (1) Repeatable Up To 4 Credits.** (FNA 111-118)  
 The study of basic techniques of voice production and concepts of musical interpretation involved in artistic singing. Repertoire will include songs in English and foreign languages. One hour private lesson weekly, for which a minimum of three hours practice is required.  
 Prerequisite: Permission of instructor.  
 NOTE: There is a fee of \$60.00 for this course.

- ✓ **364 Advanced Voice (2) Repeatable Up to 16 Credits.** (FNA 337-344)  
 The study of basic techniques of voice production and concepts of musical interpretation involved in artistic singing. This course is designed for advanced students capable of working more independently and covering more literature than less advanced students. One hour private lesson weekly, for which a minimum of six hours practice is required, and seminar one hour weekly.  
 Prerequisite: Permission of instructor.  
 NOTE: There is a fee of \$60.00 for this course.



✓ **165 Piano (1) Repeatable Up To 4 Credits.** (FNA 120-127)

The study of basic techniques of piano playing and concepts of musical interpretation involved in performance. The student may audition to study individually or may study in a class situation which assumes no prior piano experience. One hour private lesson weekly, for which a minimum of 3 hours practice is required; class study, 2 lab hours weekly.

Prerequisite: Permission of instructor or Mus. 146 for class study.

NOTE: There is a fee of \$60.00 for private study, and a fee of \$30.00 for class study.

✓ **365 Advanced Piano (2) Repeatable Up To 16 Credits.** (FNA 327-334)

The study of basic techniques of piano playing and concepts of musical interpretation involved in performance. This course is designed for advanced students capable of working more independently and covering more literature than less advanced students. One hour private lesson weekly, for which a minimum of six hours practice is required; and seminar one hour weekly.

Prerequisite: Permission of instructor.

NOTE: There is a fee of \$50.00 for this course.

✓ **166 Woodwinds (1) Repeatable Up To 4 Credits.** (FNA 128, 129, 231, 232)

The study of woodwind techniques and concepts of musical interpretation. One hour private lesson weekly, for which a minimum of three hours practice is required.

Prerequisite: Permission of instructor.

NOTE: There is a fee of \$60.00 for this course.

✓ \*\*f: flute; c: clarinet; o: oboe; s: saxophone; b: bassoon

✓ **366 Advanced Woodwinds (2) Repeatable Up To 16 Credits.** (FNA 359, 360, 428, 429)

The study of woodwind techniques and concepts of musical interpretation. This course is designed for advanced students capable of working more independently and covering more literature than less advanced students. One hour private lesson weekly, for which a minimum of six hours practice is required; and seminar one hour weekly.

Prerequisite: Permission of instructor.

NOTE: There is a fee of \$60.00 for this course.

\*\*f: flute; c: clarinet; o: oboe; s: saxophone; b: bassoon

\*\* It is the intent of the Fine Arts Department to represent the specific applied woodwind instrument (flute, oboe, etc.) on the students' transcripts, rather than simple "Woodwinds" or "Advanced Woodwinds".

✓ **167 Strings (1) Repeatable Up to 4 Credits.** (FNA 133, 134, 238, 239)

The study of basic techniques of performance on stringed instruments and concepts of interpretation involved in artistic performance. One hour private lesson weekly, for which a minimum of three hours practice is required.

Prerequisite: Permission of instructor.

NOTE: There is a fee of \$60.00 for this course.

✓ **367 Advanced Strings (2) Repeatable Up To 16 Credits.** (FNA 137, 138, 242, 243, 368, 369, 411, 412)

The study of techniques of performance and concepts of interpretation involved in artistic performance. This course is designed for advanced students capable of working more independently and covering more literature than less advanced students. One hour private lesson weekly, for which a minimum of six hours practice is required; seminar one hour weekly.

Prerequisite: Permission of instructor.

NOTE: There is a fee of \$60.00 for this course.

- ✓ **168 Brass (1) Repeatable Up To 4 Credits.** (FNA 135, 136, 240, 241)  
The study of basic techniques of performance on brass instruments and concepts of interpretation involved in artistic performance. One hour private lesson weekly, for which a minimum of three hours practice is required.  
Prerequisite: Permission of instructor.  
NOTE: There is a fee of \$60.00 for this course.
- ✓ **368 Advanced Brass (2) Repeatable Up To 16 Credits.** (FNA 139, 140, 244, 245)  
The study of techniques of performance and concepts of interpretation involved in artistic performance. This course is designed for advanced students capable of working more independently and covering more literature than less advanced students. One hour private lesson weekly, for which a minimum of six hours practice is required.  
Prerequisite: Permission of instructor.  
NOTE: There is a fee of \$60.00 for this course.
- ✓ **169 Percussion (1) Repeatable Up To 4 Credits.** (FNA 131, 132, 236, 237, 366, 367, 409, 410)  
The study of percussion techniques and concepts of musical interpretation with an emphasis on keyboard percussion performance. One hour private lesson weekly, for which a minimum of three hours practice is required.  
Prerequisite: Permission of instructor.  
NOTE: There is a fee of \$60.00 for this course.
- ✓ **270, 271 Conducting (2, 2)** (FNA 318, 319)  
The study of fundamental principles of conducting, both choral and instrumental, including basic beat patterns, hand and baton technique, interpretation, score reading, and rehearsal techniques. Lectures 2 hours per week.  
Prerequisite: Mus. 270 is prerequisite for Mus. 271.
- ✓ **272, 273 Instrumental Pedagogy (2, 2)** (FNA 345, 346)  
An introduction to brass, woodwind, string, and percussion instruments. An exploration of tone production and performance characteristics, with an emphasis on pedagogical methodology. It is recommended that students enroll for both semesters during the same academic year. Lectures 2 hours per week.  
Prerequisite: Permission of instructor.
- ✓ **475 Senior Independent Study in Music Performance (3)** (FNA 405)  
The student who has taken an appropriate sequence of preparatory courses in one area or problem of Music Performance, determines a project in consultation with a department member qualified to guide and judge the work.  
Open to seniors only, with permission of the department.

## DRAMA

- 176 Fundamentals of Dramatic Art (3)** (FNA 107)  
Introduction to the history, literature, principles, and techniques of the theater.
- 276 Performance and Oral Communication (3)** (FNA 206)  
An introduction to the theory and practice of oral communication in all forms of performance: stage acting, T.V., radio, and platform.
- 277 Fundamentals of Acting (3)** (FNA 220)  
An introduction to fundamental techniques of acting: voice and body control, improvisations, interpretation of characters applied in scenes.  
Prerequisite: Dra. 276.

- 278 **Play Production and Analysis (3)** (FNA 207)  
An introduction to the theory and practice of play production for actors and directors, centering on the analysis of the script and the book preparations for production.  
Prerequisite: Dra. 176.
- 281 **Stagecraft I (3)** (FNA 217)  
Introduction to basic principles and practices of stagecraft—equipment and procedures in theatrical presentations.
- 285, 286 **Stage Movement (4)** (FNA 223, 224)  
Introduction to basic elements of stage movement—basic spatial relationship, dramatic effectiveness, control, expression, etc. Lectures and labs.  
Prerequisite: Dra. 285 is prerequisite for Dra. 286.
- 287, 288 **History and Literature of the Theatre (3)** (FNA 225, 226)  
First semester involves a survey of plays, playwrights, actors, production, and physical development of theatres from the Greeks to 1660; second semester continues from 1660 to the present.  
Prerequisite: Dra. 287 is prerequisite for Dra. 288.
- 376, 377 **Dramatic Performance: Intermediate Acting I, II (4, 4)** (FNA 307, 308)  
Intermediate course in the theory and practice of dramatic performance: voice and body control, improvisations, interpretation of characters, applied in scenes, etc. Lectures and labs.  
Prerequisite: Dra. 277. Dra. 376 is prerequisite for Dra. 377.
- 378 **Directing For The Theatre I (3)** (FNA 372)  
Development of concepts and practices of the "regisseur" and stage director.  
Prerequisite: Dra. 278.
- 379 **Directing For The Theatre II (3)** (FNA 373)  
Continuation of Dra. 378.  
Prerequisite: Dra. 378.
- 381 **Stagecraft II (3)** (FNA 232)  
Applied stage mechanics, construction and painting for the modern theatre. Lectures, 2 hours per week; Laboratories, 3 hours per week.  
Prerequisite: Dra. 281.
- 382 **Stagecraft III (3)** (FNA 233)  
Methods of lighting, sound and stage furnishings for the modern theatre. Lectures, 2 hours per week; Laboratories, 3 hours per week.  
Prerequisite: Dra. 281.
- 383 **Designing for the Theatre I (3)** (FNA 218)  
Principles of design, color, construction as applied to theatre use and application. A practical approach to scenery, lighting, and costume design.  
Prerequisite: Dra. 281.
- 384 **Designing for the Theatre II (3)** (FNA 219)  
Analysis of historic styles in architecture, furniture, clothes, etc., and how to recreate them for stage and interior design.  
Prerequisite: Dra. 383 or permission of instructor.
- 385, 386 **Fundamentals of Dance (4)** (FNA 227, 228)  
Introduction to the history and practice of the dance and its relation to the other arts. Lectures and labs.  
Prerequisite: Dra. 385 is prerequisite for Dra. 386.

- 387 History and Literature of the Theatre III (3)** (FNA 229)  
An in-depth study of the major movements of the modern European and American Theatre, including naturalism, absurdism, the epic theatre, and symbolism. The course will focus on the works of Chekov, Ibsen, Strindberg, Bracht, Pirandello, Beckett, Sartre, Shaw, O'Casey, O'Neill, Miller, and Durrenmatt.  
Prerequisite: Dra. 288.
- 389 Playwriting (3)** (FNA 365)  
An introduction to creative scripting for the theatre. How the playwright visualizes and notates characters, situations, relationships, etc., and prepares an actable script for stage presentation.  
Prerequisite: Permission of instructor.
- 390 Playwriting II (3)** (FNA 375)  
Continuation of Dra. 389.  
Prerequisite: Dra. 389.
- 484 Costume Design and Construction (3)** (FNA 374)  
Principles and practices for costuming construction for the theatre, including introductory make-up.  
Prerequisite: Dra. 384.
- 489 Seminar: Selected Topics in Drama (3)** (FNA 402)  
Concentrated investigation of specific problems in Drama, as announced when offered. May be repeated for credit with different research topics.  
Prerequisite: Permission of instructor.
- 490 Senior Independent Study in Drama (3)** (FNA 405)  
The student who has taken an appropriate sequence of preparatory courses in one area or problem of Drama, determines a project in consultation with a department member qualified to guide and judge the work.  
Open to seniors only, with permission of the department.

## GEOLOGY

*The Major.* Bachelor of Science in Geology consists of 36 hours in geology which must include the following: Geology 101, 102, 201, 202, 203, 204, 210, 330 or 420. Also required are Chemistry 111, 112, or Chemistry 107, 108; Math 111; Physics 101, 102 or 103, 104; and Computer Science 102 or Math 216 or 217.

Recommended courses for Marine Geology and/or Sedimentary Geology emphasis are Geology 103, 306, 307, 310, 330, 416, Biology 310, Chemistry 309, and Math 217.

Recommended for Mineralogy-Petrology emphasis are Geology 320, 330, 412, 413, 414, 420, Chemistry 301, 302, and Math 120.

### 101 Physical Geology (4)

A study of the composition and structure of the earth and of the processes which alter it. The nature and origin of the features of the crust. Lectures, three hours per week; laboratory, three hours per week.

NOTE: This course is a prerequisite for all other courses in Geology except Geology 104.

**102 Historical Geology (4)**

The nature of the geological record. Problems of paleontology and stratigraphy. Lectures, three hours per week; laboratory, three hours per week.

Prerequisite: Geology 101.

**103 Marine Geology (4)**

The topography and composition of the floor of the sea and the coasts. Geological processes at work in the sea. Lectures, three hours per week.

Prerequisite: Geology 101.

**104 Gems and Gem Cutting (3)**

The occurrence of gem minerals, their origin and properties and the history of some famous gems will be discussed in lecture. Lab will be concerned with the properties and identification of gems and the cutting and polishing of semi-precious stones. May not be used to satisfy degree requirements in Science. Lectures, two hours per week; laboratory, three hours per week.

**201 Structural Geology (4)**

Genesis, classification and recognition of geologic structure. Fundamental concepts of tectonics; origin, arrangement and distribution of rock masses that form the earth crust. Lectures, three hours per week; laboratory, three hours per week.

Prerequisites: Geology 101 and 102

**202 Invertebrate Paleontology (4)**

A paleobiological approach to the geologically significant invertebrate taxa, emphasizing their morphology, phylogeny, and autecology. Lectures, three hours per week; laboratory, three hours per week.

Prerequisites: Geology 101 and 102.

**203 Mineralogy (4)**

The systematic description of symmetry, crystal chemistry, the growth of crystals and the classification of minerals will be used to identify minerals. Lectures, three hours per week; laboratory, three hours per week.

Prerequisites: Chemistry 107 or 111, and Geology 101 and 102.

**204 Optical Mineralogy (4)**

The theory of light transmission and its refraction by glasses and crystalline solids will be discussed in lecture. The first portion of the laboratory will be concerned with the identification of crystalline solids by oil immersion techniques. In the last portion of the laboratory minerals will be studied in thin section. Lectures, two hours per week; laboratory, four hours per week.

Prerequisites: Geology 101, 102, and 203.

**205 Urban and Environmental Geology (3)**

Man's impact on the geologic environment: waste disposal, mineral resources and conservation, land reclamation, energy, population growth and other related topics will be discussed. Lectures, three hours per week.

Prerequisite: Geology 101.

**210 Principles of Stratigraphy (4)**

An introduction to the physical and biological aspects of the classification and interpretation of stratiform rocks, including their chronologic and lithogenetic interrelationships. Lectures, three hours per week; laboratory, three hours per week.

Prerequisites: Geology 101, 102, and 202; Geology 103 (recommended).

**300, 301 Special Problems in Marine Geology (1-3)**

Investigation of specific problems in marine geology which may involve: laboratory, literature and field work.

**302, 303 Special Problems in Geology (1-3)**

Investigation of specific geologic problems which may involve: laboratory, literature and field work.

**306 Geomorphology (4)**

An introduction to the understanding of geomorphic principles used to interpret the evolution of land forms and the geomorphic history of different regions of the United States. Practical applications to such fields as ground water hydrology, soil science, and engineering geology. Laboratory sessions will deal with the interpretation of aerial photographs, soil maps, and topographic maps. Lectures, three hours per week; laboratory, three hours per week.

Prerequisites: Geology 101 and 102.

**307 Principles of Sedimentation (4)**

A study of the physical processes operating in the various environments responsible for the deposition, distribution and dispersal of terrigenous clastic and carbonate sediments. Special emphasis will be placed on estuarine and shallow marine environments of sedimentation. Lectures, three hours per week; laboratory, three hours per week.

Prerequisites: Geology 101 and 102.

**310 Coastal Plain Stratigraphy (3)**

Principles of synthesis and correlation of the stratigraphic record. Emphasis on the Mesozoic and Cenozoic of the Carolinas coastal plain. Lecture, three hours per week.

Prerequisites: Geology 101, 102, 202 and 210.

**320 Economic Geology (3)**

The classification, description and genesis of ore bodies will be discussed. Man's use and misuse of natural resources will be covered. Lectures, three hours per week.

Prerequisites: Geology 101, 102, 201, 203, 204 or permission of instructor.

**330 Sedimentary Petrology (4)**

A petrographic approach to the classification and genetic interpretation of sedimentary rocks. Coarser terrigenous and carbonate rocks will be emphasized with lesser stress on mudrocks and noncarbonate chemical rocks. Lectures, three hours per week; laboratory, three hours per week.

Prerequisites: Geology 101, 102, 203, and 204.

**400, 404 Seminar in Geology (1-3)**

Lectures on selected topics of geologic interest.

Enrollment by permission of instructor.

**405 Senior Thesis (3)**

Individually supervised research project for the senior geology major who has an interest in studying a specific geologic problem. The project will reflect the student's ability to develop a problem, do independent research, and write a detailed report.

Enrollment by permission of instructor.

**412 Field Methods (2)**

Techniques of geologic mapping. Use of the plane table, alidade, and Brunton compass. Intended as preparation of geology students for a summer field camp in geology. Lectures, 1 hour per week; laboratory, three hours per week.

Prerequisites: Geology 101, 102, 201, 203, 210, or permission of instructor.

**413 Phase Equilibria (2)**

A study of heterogeneous phase equilibria in single, binary and ternary systems with special emphasis on mineralogic and petrologic systems.

Prerequisites: Enrollment by permission of instructor.

**414 Crystal Chemistry (2)**

A study of the chemistry of solids, particularly oxides, halides, and silicates. The role of defects, substitutions and other atomic scale phenomena are discussed as they influence the properties of natural and man-made materials.

Prerequisites: Enrollment by permission of instructor.

**416 Paleoecology (4)**

Interpretation of ancient environments from the study of rocks and their contained fossil organisms. Emphasis will be placed on the recurrent paleobiotopes — paleolithotopes through geologic time and the evolution of community structure. Lectures, three hours per week; laboratory, three hours per week.

Prerequisites: Geology 101, 102, 201, 210, and 330.

**420 Igneous and Metamorphic Petrology (4)**

Current theories of magma generation, migration, and crystallization will be discussed. The concepts of metamorphic zones and facies and different types of metamorphism will also be studied. Laboratory will include the study of igneous and metamorphic rocks in thin section. Lectures, three hours per week; laboratory, three hours per week.

Prerequisites: Geology 101, 102, 203, and 204.

## HISTORY

*The Major:* 36 Semester Hours.

Students are encouraged to declare their major in the freshman year and required to do so before the end of the sophomore year. Every student choosing history as his major field of study must select a departmental advisor who helps him to define his area or period of concentration and to organize his sequence of courses accordingly. All students who elect the History Major are required to prepare a senior essay (in their junior and/or senior year).

Unless otherwise specified *all* courses are open to *all students*.

**101 Early Modern Europe, 1500-1815 (3)**

A survey of the history of Western Europe from the disintegration of the medieval unity to the end of the Napoleonic Period. Attention will be focused on the Protestant Reformation, the Catholic Revival, the Scientific Revolution, the emergence of the national state, the Enlightenment, and the French Revolution.

**102 Europe Since 1815 (3)**

A study of the relations between the major continental powers from the Congress of Vienna to recent times. The course will trace the fortunes of liberalism, nationalism and imperialism; the rise of totalitarianism; the causes and consequences of the World Wars; and the contemporary movement for economic unity.

**203 American Urban History (3)**

A survey of urban development from colonial times to the present. This course examines urbanization as a city-building process and the relation this has to the broader, generic context of national growth.

- 213 History of England to 1603 (3)**  
A history of England from Roman Britain to 1603. Special attention will be given to the English concept of kingship, the growth of English law, relations of church and state, and the evolution of Parliament.
- 214 History of England since 1603 (3)**  
English history from 1603. Main topics for discussion will include the origins and growth of political parties, the waning power of the crown, the Industrial Revolution, and the creation of an Empire.
- 215 History of Canada (3)**  
Canadian history from the French Regime to the present with emphasis on the Post-Confederation Period.
- 231 Ancient Greece (3)**  
Greek civilization from its beginnings to Alexander the Great; emphasis on political, economic, social, and intellectual movements.
- 232 Ancient Rome (3)**  
Roman history from its beginning until the decline of the Empire. Emphasis on Republican ideas, Imperial administration, Roman culture, and religious developments.
- 301 History of the United States: The Colonial Period, 1607-1783 (3)**  
The European background; the founding of the colonies; the growth of economic, social and political institutions; the roots of American intellectual development; and the coming of the Revolution. (Formerly History 201)
- 302 History of the United States: The Young Republic, 1783-1865 (3)**  
The problems of the Confederation; the formation of the Federal Union; the emergence of political parties; the westward movement; the transportation revolution; the growth of Southern sectionalism, and the approach of the irrepressible conflict. (Formerly History 202)
- 303 History of the United States: Industrialism and Progressivism, 1865-1918 (3)**  
Southern Reconstruction; the exploitation of the national domain; the new immigration; the growth of urbanization; and the progressive response to industrialism. (Formerly History 341)
- 304 History of the United States: The Urban Nation Since 1918 (3)**  
American domestic affairs including the eclipse of progressivism, the consolidation of business, the social transformation of the 1920's, the Great Depression, and modern reformism from the New Deal to the Great Society. (Formerly History 342)
- 305 History of South Carolina (3)**  
Prerequisite: six semester hours in history.
- 307 Urban History: Community Concepts in the American City (3)**  
A historical analysis of the changing structure and function of urban communities. Beginning with 17th century Puritan villages, the course examines a variety of urban community forms which include ethnic enclaves, Black ghettos, utopian experiments, radical communes and suburbia. Emphasis is also placed on defining what territorial, economic and perceptual characteristics constitute an urban community and how these qualities have shifted in response to a changing urban environment.



**308 Comparative Urban History: The United States and Great Britain (3)**

A comparison of urbanization in the U. S. and Great Britain during the 18th, 19th and 20th centuries.

**310 History of Modern France (3)**

French Revolution and Napoleon; autocracy, constitutionalism, and revolution; development of the French Empire; establishment of the Third Republic; World War I and World War II; Fourth Republic; De Gaulle and the Fifth Republic.

**311 History of Germany to 1815 (3)**

Political, social, and cultural development of Central Europe from the Middle Ages to the end of the Napoleonic Wars. Topics include the evolution of the Holy Roman Empire; the Reformation; the Wars of Religion; the rise of Austria and Prussia; the Germanies; the impact of the French Revolution and Napoleon on Central Europe.

**312 History of Germany since 1815 (3)**

Political, social, and cultural development of Central Europe from the Congress of Vienna to the contemporary period. Reaction and Revolution; the rise of nationalism and liberalism; German modernization and unification; evolution of the Hapsburg lands; the Second Reich; Weimar; the Nazi regime; divided Germany and the postwar world.

**313 British Empire-Commonwealth (3)**

A survey of British imperial history from the fifteenth century to the present. This will include Canada, the West Indies, Australia, New Zealand, India, West Africa, East Africa, South Africa, and other areas of British control.

**316 Early Modern France, 1400-1789 (3)**

Revival of the monarchy; the Renaissance in France; Calvinism and Civil War; The Ancient Regime; art and literature in the 17th century; the Enlightenment; the 18th century struggle with England; prelude to revolution.

Prerequisite: History 101 or permission of the instructor.

**317 Tudor England, 1485-1603 (3)**

The history of England from the end of the Wars of the Roses through the Henrician Reformation and the Elizabethan Renaissance. Political, social, economic, religious, and cultural dimensions of Tudor England will be discussed and analyzed. The course will be conducted as a colloquium. Offered alternate years.

Prerequisite: History 213 or permission of the instructor.

**318 Stuart England, 1603-1714 (3)**

The history of England from the accession of James I through the Puritan Revolution and Glorious Revolution to the growth of political stability in late Stuart times. Political, social, economic, religious, and cultural dimensions of Stuart England will be discussed and analyzed. The course will be conducted as a colloquium. Offered alternate years.

Prerequisite: History 214 or permission of the instructor.

**321 East European History and Politics, 1848-1945 (3)**

Impact of European revolutions of 1848; national awareness; World War I; Independent Eastern Europe. Little Entente, Nationalism and consequences; industrialization and agricultural backwardness; society and culture. The German impact, World War II.

**322 East European History and Politics after World War II (3)**

Loss of independence. Communist rule in East Central Europe; changes in socio-economic structure; intrablock relations. From Stalinism to "liberalization."

**327 Russian Revolution and the New Regime (3)**

Study of Russia on eve of Revolution followed by analysis of political, economic, social, and cultural developments in five periods: the year 1917, War-communism, New Economic Policy, the rise of Stalin, the "Great Purge."

**328 Soviet Russia in the War and After (3)**

Stalin and World War II. Losses and conquests; the monolithic Communist system and subsequent breaks in monolithism. The Post-Stalin era and the Sino-Soviet rift.

**329 Imperial Russia to 1917 (3)**

Kiev, the Mongols and the rise of Muscovy. A progressively detailed analysis of Tsarist Russian culture, society and politics from Ivan the Terrible to Nicholas and Alexandra, with emphasis on the themes of autocracy, imperialism, nationalism, populism, socialism and serfdom.

**331 Intellectual History of the United States to 1865 (3)**

An examination of the ideas, values, and systems of thought of the American people from the seventeenth century through the Civil War.

**332 Intellectual History of the United States Since 1865 (3)**

An examination of the ideas, values, and systems of thought of the American people since the Civil War.

**333 Diplomatic History of the United States, 1776-1898 (3)**

The foundations of American foreign policy; tendencies toward isolation and expansion; disputes with foreign countries and their settlement; and the activities of American diplomatic representatives.

**334 Diplomatic History of the United States Since 1898 (3)**

The emergence of America as a world power; the persistence of isolationist sentiment; the diplomacy of the World Wars; and the commitment to the Atlantic Community and other forms of collective security.

**335 The Bolshevik Revolution (3)**

Marx and Engels as theorists of revolution; Russia before the October uprising; succeeding fifty years of Bolshevik rule, with subsequent contrasts of promise and reality.

**336 East European Revolutions (3)**

Political Development and effect of Russian occupation; Peace Treaties and coalition governments; Stalinization of Eastern Europe and 1956 as year of Revolt, with succeeding liberalization of regimes.

**337 The Two World Wars (3)**

The study of the origins of World War I and World War II. Special emphasis is laid on the problems of nationalism, democracy and industrialization. Socio-political changes between the wars.

**343 History of the Old South (3)**

A study of the Ante-Bellum South with special emphasis upon social and economic aspects.

**344 The American Civil War and Reconstruction (3)**

The causes of the war, the politicians and military leadership during the war, the Reconstruction period.

- 345 Era of the American Revolution, 1763-1789 (3)**  
The growth of ideas and institutions which led to American independence and the creation of the American republic.
- 347 European Diplomacy and International Politics—1814-1914 (3)**  
Concert of Europe and its breakdown, wars of unification, development of systems of alliances and ententes, World War I. Seminar.  
Prerequisite: Permission of instructor.
- 348 International Politics, Europe, 1919-1945 (3)**  
Peace Treaties, League of Nations, post-war diplomacy; significant developments in European international politics through World War II. Seminar.  
Prerequisite: Permission of instructor.
- 350 The Age of Reformation (3)**  
Analysis of the factors leading to the Protestant and Catholic Reformation and the socio-political impact of the phenomenon.
- 351 The European Renaissance (3)**  
A study of the cause, achievements and effects of the Renaissance period.
- 353 Medieval History (3)**  
European social, political and economic institutions, cultural and intellectual phenomena from the fifth to the twelfth century.
- 354 Medieval History (3)**  
The social, political, religious and cultural developments in the light of the changing historical environment from the twelfth century to the Renaissance.
- 355 Social Conditions and Social Structure in Pre-Industrial Europe (3)**  
The nature of social history—its definition and methodology; the quality of life in pre-industrial Europe with emphasis on marriage, love, mortality, fertility, the role of women and children, and nutrition; the disintegration of the aristocracy and the emergence of a middle class economy, society and culture; the development of new social ideas and social movements.
- 356 Social Conditions and Social Structure in Industrial Europe (3)**  
The sources and development of the Industrial Revolution, the technological progress experienced throughout Europe; the destruction of the Estates of Early Modern Europe and their replacement by classes; the life and ideology of the new laboring and agricultural groups; the mass politics and ideologies of the 20th century—communism, fascism, and despair.
- 361 Ancient Near East (3)**  
A survey of ancient peoples and cultures of the Near East from earliest historical times through the Persian Empire. This will include the Sumerians, Babylonians, Egyptians, Hittites, Assyrians, Hebrews, Phoenicians, Persians, and a number of minor groups.
- 363 Medieval Islamic Civilization (3)**  
The prophet Muhammad and the rise of Islam, its institutions, doctrines, politics and cultural achievements. Decline of the Arab Muslim Empire and Caliphate, the Mongol invasions and development of separate Mamluk, Persian and Turkish states.
- 364 The Modern Middle East (3)**  
Tradition, modernization and change in the contemporary Islamic World. The impact of nationalism, secularism and westernization in the Middle East, from the disintegration of the Ottoman Empire and emergence of successor states, to the Arab-Israeli conflict, the oil crisis and Great Power confrontation.

**367 History of Africa to 1880 (3)**

An introduction to the history of sub-Saharan Africa from the earliest times, with attention to the pre-European era, colonial influences, and reactions to the West. The course will cover early kingdoms in East, Central, and West Africa, precolonial relations with Europe and Asia, the exploration of the continent, the growth and decline of the slave trade, and the origins of modern imperialism.

**368 History of Africa since 1880 (3)**

This course examines the race for colonies in Africa during the late nineteenth century, the establishment of European control, African responses to imperialism, the growth of nationalism, and the emergence of independent African states in the mid-twentieth century.

**371 Seventeenth Century Europe (3)**

A history of Europe from 1600 to 1715 with emphasis upon the growth of modern science, modern political theories, the Baroque style, shifts in the balance of power, and the rise of absolutism on the continent and constitutional government in England.

**372 Eighteenth Century Europe (3)**

The major social, political, and cultural changes in Europe from the death of Louis XIV to the fall of Napoleon. Special emphasis on the intellectual history of the Enlightenment.

**373 Nineteenth Century Europe (3)**

Congress of Vienna; Reaction and Revolution; Ascendant Nationalism; Struggle for Democracy and Social Reform; Imperial Conflicts and European Alliances; World War I. (Formerly History 325)

**375 Europe, 1914-1945 (3)**

Political, social, economic, cultural, military and diplomatic history of the European states. Topics include the background and history of World War I, peacemaking, post-war democracy, socialism, communism, fascism, National Socialism, the depression, origins and course of World War II.

**376 Europe since 1945 (3)**

Political, social, economic, and cultural impact of National Socialism and war. Resistance and liberation; restoration and reconstruction; influence of the United States and the Soviet Union; cold war. European unification movement and polycentrism. Changing relations with Africa and Asia. Social and cultural changes.

**381 History of China to 1800 (3)**

A survey of traditional Chinese History from earliest times to 1800. Emphasis is placed upon intellectual development against the background of social, political and economic transformations.

**382 History of Modern China (3)**

A study of Chinese history from 1800 to the present, emphasizing the transformation of the Confucian universal empire into a modern national state. The course will focus on problems of imperialism, nationalism, and revolution, the rise of communism, and the recent Proletarian Cultural Revolution.

**383 History of Japan to 1800 (3)**

A survey of the political, economic, and cultural development of Japan from earliest times to 1800, with emphasis on the borrowing and adaptation of Chinese culture and the development of a unique Japanese civilization.

**384 History of Modern Japan (3)**

A study of Modern Japanese history from 1800 to the present, with emphasis on the creation of the modern state, the impact of Western civilization on Japanese culture, and Japan's experience with liberalism and militarism, and her post-war transformation.

**391 Colonial Latin America (3)**

A topical survey of Spanish and Portuguese colonial America. Topics considered include: the origins of a multiracial society; the institutions of Empire; the social and intellectual roots of revolution; Independence movements.

**392 Latin America in the 19th and 20th Centuries (3)**

A topical study of the Latin-American nations since independence (1825-present). Topics considered include the aftermath of revolutions, the military and politics, conflict between church and state, foreign influences in Latin America, twentieth-century revolutionary movements.

**398 Proseminar: Topics in Historical Literature and Research (3)**

A study of selected historical topics and problems of interpretation. Topics will vary from semester to semester. Lectures, 3 hours a week.

Prerequisite: History 101, 102, and consent of instructor.

**399 Senior Paper Seminar (3)**

Selected topics of Early Modern and Modern European History. Open to juniors and seniors engaged in research for their senior papers.

**400 Seminar in European History (3)**

Research seminar in Modern European History. The course is open to juniors and seniors but does not presume the completion of a senior paper.

**401 Seminar in American History (3)**

An introduction to the sources, problems and methods that are characteristic of the study of modern history. Attention will be given to memoirs and diaries, private letters and state papers, and newspapers and periodicals. The general area of investigation and the specific topics for individual research will be determined during the first meeting of the class.

**403 Reading and Independent Study in History (1-3)**

Designed primarily for the student whose interest has been aroused in a particular topic or field and who wishes to pursue it unfettered by the requirements of a specific course. The amount of reading or the nature of the project will determine the credit to be assigned. Limited to majors in History.

**404 Seminar in Ancient History (3)**

A study of selected problems in ancient history.

**406 Bachelor's Essay (6)**

Independent research for the student who is a candidate for Departmental Honors.

Prerequisite: Permission of the department.

**LIBRARY****101 Introduction to Bibliography and Research Methods (1)**

Introduction to basic library resources inclusive of major bibliographies, indexes, and abstracts of both the sciences and humanities. Focus will be on practical applications of research and bibliography. Lectures, one hour per week.

## MATHEMATICS

*The Major:* Mathematics 120, 203, 220, 221, 323, and one of mathematics 301 or 303 are the foundations of the major. In addition CS 117 and 15 additional hours of mathematics courses numbered 200 and above will complete the major and at least 6 of these must come from courses numbered 400-499.

Students interested in a mathematics major should obtain a copy of the Departmental Guide to the Mathematics Major in Maybank Hall, Room 203.

### 01 Basic Mathematics (3)\*

A course covering operations with decimals, fractions and signed numbers, solutions of linear equations, measurement of geometric figures, and numerical evaluations of literal expressions.

*\*Credit hours earned in this course may not be applied toward degree requirements.*

### 101 College Algebra (3)

A course which emphasizes algebraic functions. Topics include algebraic equations and inequalities, and the properties and graphs of algebraic functions.

NOTE: The sequence Mathematics 101 and Mathematics 102 is equivalent to Mathematics 111 for satisfying the prerequisite to Mathematics 120 or Mathematics 216.

A student who has completed Mathematics 111 or Mathematics 120 may not subsequently receive credit for Mathematics 101 or Mathematics 102.

A student who has completed Mathematics 101 may not subsequently receive credit for Mathematics 111.

### 102 Trigonometry (3)

A course emphasizing the circular functions and their analytic properties. Topics are graphs of the trigonometric functions, identities, trigonometric equations, inverse trigonometric functions, logarithms, and the solution of triangles.

NOTE: See the note below Mathematics 101.

### 103 Modern College Mathematics I (3)

Not intended for those who will major in or study in mathematics, the sciences, or technical fields. Topics include sets, an introduction to mathematical systems, sequences, functions, linear systems, and polynomials.

### 104 Modern College Mathematics II (3)

Topics include permutations, combinations, finite probability, and statistics. Additional topics include logic and an introduction to computers as time permits.

Prerequisite: Mathematics 101 or 103.

### 111 Pre-Calculus Mathematics (3)

A course which emphasizes the function concept. Topics include graphs of functions, the algebra of functions, inverse functions, the elementary functions, and inequalities.

NOTE: See the note below Mathematics 101.

### 120 Introductory Calculus (3)

The techniques of the calculus will be stressed. Topics include functions, limits and continuity, derivatives, the mean value theorem and its applications, applications of derivatives, logarithmic and exponential functions, antiderivatives, and the fundamental theorem of integral calculus.

Prerequisite: Mathematics 111 or its equivalent.

**201 Elementary Number Theory (3)**

Divisibility properties of integers, prime numbers, congruences, perfect numbers, Diophantine equations, quadratic reciprocity, number-theoretic functions, continued fractions, Pythagorean Triples, unsolved problems.

Prerequisite: Mathematics 120.

**203 Linear Algebra (3)**

Systems of linear equations, vector spaces, linear dependence, bases, dimension, linear mappings, matrices, determinants, and quadratic forms.

Prerequisite: Mathematics 120 or permission of instructor.

**216 Introduction to Probability and Statistics (3)**

Emphasis will be on statistical testing and inference with insight into the variety of applications of statistics. Students will have an opportunity to select problems from an area of their interest. Topics will include probability, random variables, important probability distributions, sampling distributions, point and interval estimation, hypothesis testing, regression, correlation, and analysis of variance.

Prerequisite: Mathematics 104 or Mathematics 111 or equivalent.

**217 Introductory Biometry (3)**

Introduction to basic statistical methods and their application in the analysis of biological and physical data. Introduction to distributions, experimental design, testing of hypotheses, regression, correlation, analysis of variance, covariance, and factorial arrangements.

Prerequisite: Mathematics 216, one year biology, or permission of instructor.

**220 Calculus II (3)**

Limits and continuity, l'Hôpital's rule, the Riemann integral, techniques of integration, applications of the integral, elementary differential equations.

Prerequisite: Mathematics 120 or its equivalent.

**221 Calculus III (3)**

Sequences, infinite series, geometry of  $n$ -space, limits and continuity of functions of several variables, directional derivatives, derivatives, multiple integrals, Taylor's formula for functions of several variables.

Prerequisite: Mathematics 220.

**222 Calculus IV (3)**

Line integrals, derivatives of functions from  $R_n$  to  $R_m$ , applications of derivatives, Lagrange multipliers, the implicit function theorem, Green's theorem, surface integrals, change of variable formula.

Prerequisite: Mathematics 203 and 221.

**301 Set Theory and Metric Spaces (3)**

Logic, set theory, functions, order relations, the axiom of choice, cardinal numbers, ordinal numbers, Euclidean spaces, metric spaces.

Corequisite or Prerequisite: Mathematics 221.

**303 Introduction of Modern Algebra (3)**

An introduction to algebraic structures. Topics will include groups, rings, and fields.

Prerequisite: Mathematics 203.

**305 Introduction to Combinatorial Mathematics (3)**

Basic concepts of modern combinatorics. Topics include permutations and combinations, generating functions, recurrence relations, the principle of inclusion and exclusion, Polya's theory of counting, introductory graph theory, and combinatorial designs.

Corequisite or Prerequisite: Mathematics 203, or permission of instructor.

**315 Complex Analysis (3)**

The complex number system, analytic functions, integration, power series, residue theory, analytic continuation, and conformal mapping.

Prerequisite: Mathematics 221.

**320 History of Mathematics (3)**

Number systems, historical problems of geometry, development of modern concepts in algebra, analytic geometry and the calculus.

Prerequisite: 12 semester hours in Mathematics courses numbered 200 or higher.

**323 Differential Equations (3)**

Solution of ordinary differential equations, linear equations, systems of equations, solutions in power series, Picard's iteration method, applications.

Prerequisite or Corequisite: Mathematics 221.

**325 Numerical Analysis (3)**

Numerical solutions of nonlinear equations, systems of equations, and ordinary differential equations; interpolation and numerical integration.

Prerequisite: Mathematics 203, 221, 323 and a knowledge of FORTRAN programming.

**330 Mathematical Statistics (3)**

Probability, probability functions, probability densities, mathematical expectation, sums of random variables, sampling distributions, decision theory, estimation, hypothesis testing, regression, correlation, analysis of variance.

Prerequisite: Mathematics 221.

**340 Axiomatic Geometry (3)**

An axiomatic development of Euclidean geometry, with topics from non-Euclidean geometry and projective geometry as time allows.

Prerequisite: Mathematics 120 or permission of instructor.

**365 Operations Research I (3)**

An introduction to deterministic models in operations research. Topics include linear programming, network analysis, dynamic programming, and game theory.

Prerequisite: Mathematics 203 and 221.

**401 Introduction to Point Set Topology (3)**

Introductory concepts, topologies and topological spaces, functions, continuity, homeomorphisms, connected spaces, compact spaces, and applications of topology in analysis.

Prerequisite: Mathematics 301.

**411 Introductory Real Analysis (3)**

Topics will be chosen from the following: continuity, differentiation, sequences and series of functions, spaces of continuous functions, measure theory, the Lebesgue integral, the Riemann-Stieltjes integral.

Prerequisite: Mathematics 301.

**417, 418 Reading and Research (1-3, 1-3)**

Directed reading in mathematics. Open to qualified seniors with permission of the Mathematics Department. A student may take this course for one or two semesters, earning 1-3 hours credit each semester. Credit value in each case will be determined by the type of problem.



**420 Topics in Modern Algebra (3)**

Topics selected from one or more of the following: groups, rings, fields, vector spaces, and ordered algebraic systems.

Prerequisite: Mathematics 303.

**421 Modern Applied Algebra (3)**

An introduction to the applied aspects of modern algebra, with emphasis on coding theory.

Prerequisite: Mathematics 303.

**423 Applied Mathematics I (3)**

Partial differential equations, boundary value problems, Fourier series, and special functions.

Prerequisite: Mathematics 221 and 323.

**424 Applied Mathematics II (3)**

Integral transforms, difference equations, and integral equations.

Prerequisite: Mathematics 221 and 323.

NOTE: Mathematics 423 is NOT a prerequisite to 424.

**430 Advanced Analysis (3)**

Special topics in real and complex analysis.

Prerequisite: Mathematics 315 and 411.

**435 Advanced Mathematical Statistics (3)**

A continuation of Mathematics 330.

Prerequisite: Mathematics 330.

**440 Advanced Topology (3)**

Special topics in point-set and algebraic topology.

Prerequisite: Mathematics 401.

**442 Advanced Axiomatic Geometry (3)**

Continuation of Mathematics 340.

Prerequisite: Mathematics 340.

**455 Advanced Numerical Analysis (3)**

Numerical solutions of boundary value problems and partial differential equations, numerical multiple integration and curve fitting.

Prerequisite: Mathematics 325.

**460 Mathematical Models and Applications (3)**

An introduction to the theory and practice of building and studying mathematical models for real world situations encountered in the social, life and management sciences.

Prerequisite: Mathematics 203, 323, and 330.

**465 Operations Research II (3)**

An introduction to probabilistic models in operations research. Topics include queueing theory, applications of Markov chains, simulation, integer programming, and nonlinear programming.

Prerequisite: Mathematics 365 and 330.

## MODERN LANGUAGES

### FRENCH

*The Major:* Twenty-four hours beyond intermediate French.

**103 Elementary French (3)**

A study of grammar, composition, and pronunciation. Parallel reading from easy authors.

**104 Elementary French (3)**

A continuation of French 103.

Prerequisite: French 103 or the equivalent.

**209 Intermediate French (3)**

Emphasis on reading, pronunciation, and composition; a review of grammar.

Prerequisite: Open to students who have successfully completed French 104 or by Placement examination.

**210 Intermediate French (3)**

A continuation of French 209, which is prerequisite.

Courses beyond this level are open to students who have passed Intermediate French or have been exempted from it.

**309 French Civilization and Literature (3)**

French civilization, history and customs studied through literature; from the pre-historic period through the seventeenth century.

**310 French Civilization and Literature (3)**

A continuation of French 309, with emphasis on the Enlightenment, the nineteenth century and contemporary France.

NOTE: Ordinarily French 309 should be considered prerequisite to French 310. When this prerequisite is lacking, permission of the instructor is required.

**311 French Conversation and Composition (3)**

Intensive practice in the written and spoken language. Assigned readings and compositions. The course will be conducted in French.

**312 French Conversation and Composition (3)**

A continuation of French 311.

NOTE: Ordinarily French 311 should be considered prerequisite to French 312. When this prerequisite is lacking, permission of the instructor is required.

**404 The Middle Ages (3)**

The beginning and development of French literature beginning with the Serment de Strasbourg. Material studied includes the Chanson de Roland, Tristan et Iseult and one or more of Chretien de Troyes' tales — Yvain, etc., the evolution of French lyrical poetry and the beginning and growth of drama from *drame religieux* to farce. Texts will be read in modern versions.

**405 The French Renaissance (3)**

Clement Marot, Rabelais, la Pleiade, DuBellay, Ronsard, Montaigne.

**406 The Seventeenth Century (3)**

French Neo-Classicism: Descartes, Pascal, Corneille, Racine, Moliere, Boileau, LaFontaine, the moralists, and orators.

- 407 The Eighteenth Century (3)**  
The Enlightenment: Fontenelle, Montesquieu, Voltaire, Diderot, l'Encyclopedie l'abbé Prevost, Rousseau.
- 408 Literature of the Nineteenth Century (3)**  
Pre-Romanticism, Romanticism in prose and poetry, Realism and Naturalism, Symbolism. Intensive study of the works of Chateaubriand, Balzac, Baudelaire, Flaubert, Verlaine, Rimbaud, and Mallarmé.
- 409 Literature of the Nineteenth Century (3)**  
A continuation of French 408.
- 410 Twentieth Century French Literature (3)**  
The French Novel from 1900-1970. Emphasis will be on Gide, Proust, Mauriac, Malraux, Sartre, Camus and Robbe-Grillet.
- 411 Twentieth Century French Literature (3)**  
A study of French poetry from Péguy to Michaux and French drama from Claudel to Ionesco.
- 415 Directed Reading (1-3)**  
Advanced study of French literature through reading and reports. Program to be arranged by consultation with departmental advisor.
- 416 Directed Reading (1-3)**  
Continuation of French 415. Permission of instructor.

## GERMAN

*The Major:* Thirty semester hours in German, including German 409 and German 410.

- 103 Elementary German (3)**  
Training in pronunciation, grammatical forms, and syntax, with main emphasis upon ability to read simple German texts and to understand simple spoken German.
- 104 Elementary German (3)**  
A continuation of German 103.  
Prerequisite: German 103 or the equivalent.
- 201 Intermediate German (3)**  
A review of grammar and syntax, combined with careful translation of texts of increasing difficulty.  
Prerequisite: Open to students who have successfully completed German 104 or by Placement examination.
- 202 Intermediate German (3)**  
A continuation of German 201, which is prerequisite.
- 301 Advanced German (3)**  
Contemporary German literature. Reading of prose works of selected modern authors.  
Prerequisite: German 202 or the equivalent.

**302 Advanced German (3)**

A continuation of German 301.

**303 Goethe's Faust. Erster Teil (3)**

A detailed study of first part of Goethe's Faust, supplemented by lectures and outside reading.

Prerequisite: German 202 or the equivalent.

**304 Lyric Poetry (3)**

Readings in German lyric poetry from Goethe to the present. Offered alternate years.

Prerequisite: German 202 or the equivalent.

**405 Introduction to the Classical Literature of the Eighteenth Century (3)**

Selections from the work of Lessing, Goethe, and Schiller, with special emphasis on their contributions to German drama.

Prerequisite: German 301 and 302 or permission of instructor.

**406 Introduction to the Classical Literature of the Eighteenth Century (3)**

A continuation of German 405 which is prerequisite.

**407 Nineteenth Century Literature (3)**

A survey of German literary developments from death of Goethe to close of the Nineteenth Century.

Prerequisite: German 301 and 302 or permission of instructor.

**408 Nineteenth Century Literature (3)**

A continuation of German 407 which is prerequisite.

**409 Masters of Modern German Literature (3)**

Reading and discussion of work of representative writers of the Twentieth Century.

Prerequisite: Twenty-four semester hours of German.

**410 Masters of Modern German Literature (3)**

A continuation of German 409 which is prerequisite.

**415 Directed Study (1-3)**

A reading course, designed to give a general survey of development of German literature.

Prerequisite: Two 400-level courses.

## SPANISH

**103 Elementary Spanish (3)**

Study of fundamental grammatical structures through intensive oral and written exercises. Emphasis on understanding, speaking and correct pronunciation.

**104 Elementary Spanish (3)**

A continuation of Spanish 103.

Prerequisite: Spanish 103 or the equivalent.

**203 Intermediate Spanish (3)**

Continued practice toward mastery of language structures through oral practice and composition. Readings of graded difficulty introduced.

Prerequisite: Open to students who have successfully completed Spanish 104 or by Placement examination.

**204 Intermediate Spanish (3)**

Focus on Hispanic culture through readings and through further development of fundamental language skills.

Prerequisite: Spanish 203 or the equivalent.

Courses beyond this level are open to students who have passed Intermediate Spanish or have been exempted from it.

**301 Spanish Conversation and Composition (3)**

Intensive practice in the spoken and written language. Class conducted in Spanish.

Prerequisite: Spanish 204 or permission of the instructor.

**302 Spanish Conversation and Composition (3)**

A continuation of Spanish 301.

Prerequisite: Spanish 301 or permission of the instructor.

**306 Introduction to Spanish Literature (3)**

Reading and discussion of principal masterpieces of Spanish Literature from beginnings of written literature through 18th century. Conducted mostly in Spanish.

Prerequisite: Spanish 204 or the equivalent.

**307 Introduction to Spanish Literature (3)**

Study of Spanish literature of nineteenth and twentieth centuries.

**311 Spanish American Literature (3)**

A study of the literature of Spanish America from the pre-Columbian era to Modernism.

**312 Contemporary Spanish American Literature (3)**

Spanish American literature from Modernism through contemporary movements.

**401 The Golden Age (3)**

Emphasis is on the drama and the novel in the age of Lope de Vega, Calderon and Cervantes.

**402 The Golden Age (3)**

A continuation of Spanish 401.

NOTE: Ordinarily Spanish 401 should be considered prerequisite to Spanish 402. When this prerequisite is lacking, permission of the instructor is required.

**403 Contemporary Literature in Spain (3)**

Advanced study of poetry, drama, and prose of twentieth-century Spain, beginning with the literature of the Generation of 1898.

**404 Contemporary Literature in Spain (3)**

A continuation of Spanish 403.

NOTE: Ordinarily Spanish 403 should be considered prerequisite to Spanish 404. When this prerequisite is lacking, permission of the instructor is required.

**405 Directed Reading (1-3)**

Advanced study under the direction of a member of the Spanish Faculty. Program to be arranged by consultation with departmental advisor.

**406 Directed Reading (1-3)**

A continuation of Spanish 405. Permission of instructor.

### COURSES IN TRANSLATION

These courses may be taken as elective, or applied to the minimum degree requirements in Humanities. They may not be used to satisfy the minimum degree requirement in Language, or the major requirement.

- 320 French — Survey of French Literature (3)**  
A study of French literature from its origins through the seventeenth century.
- 321 French — Survey of French Literature (3)**  
A continuation of French 320, with emphasis on the Enlightenment and the nineteenth and twentieth centuries.
- 320 Russian — Modern Russian Literature (3)**  
Nineteenth and Twentieth Century masterpieces in translation, and their backgrounds.
- 315 Spanish-Hispanic Civilization and Literature in English (3)**  
Spanish civilization, history and customs studied through literature, extending from pre-history through the seventeenth century.
- 316 Spanish-Hispanic Civilization and Literature in English (3)**  
A continuation of Spanish 315, with emphasis on Neo-Classicism, Romanticism, Realism and the contemporary Spanish-speaking world.

### COMPARATIVE LITERATURE

- 201 Comparative Literature—Survey of European Literature (3)**  
A survey of the literature of Europe in English translation (exclusive of British literature) from Biblical times through the Renaissance.  
NOTE: This course is cross-listed as English 203.
- 202 Comparative Literature—Survey of European Literature (3)**  
A survey of the literature of Europe in English translation (exclusive of British literature) from Neo-Classicism through the twentieth century.  
NOTE: This course is cross-listed as English 204.

### PHILOSOPHY

*The Major:* Thirty semester hours in Philosophy which must include 215 or 216, 301, 320 or 325; any three of the following: 220, 225, 230, 235; and six additional hours from courses above the 100 level.

- 101 Introduction to Philosophy: Belief and Values (3)**  
An introduction to philosophy through an examination of some of the perennial ethical, political, and religious problems which confront humans.
- 102 Introduction to Philosophy: Reality and Knowledge (3)**  
An introduction to philosophy through an examination of some of the major problems which arise in the inquiry into the nature of reality and knowledge.
- 105 Introduction to Eastern Philosophy (3)**  
A study of the major philosophical issues in Hinduism, Buddhism, Confucianism, and Taoism.

**110 Nature, Technology, and Society (3)**

An examination of philosophical problems arising from the impact of science and technology on contemporary society. Topics will include the relation of technology to society and political systems, the place of the individual within a modern technocratic society, the influence of technology on the human view of nature, and the question of human values and scientific knowledge.

**115 Human Existence, Meaning, and Death (3)**

An examination of selected classical and contemporary views on the conditions and meaning of human existence in terms of human consciousness, freedom, and death. Primary emphasis will be on contemporary treatments of the issues.

**170 Bio-Medical Ethics (3)**

The application of ethical theories to issues and problems in bio-medical ethics. Topics considered usually include the following: abortion, euthanasia, population control, genetic engineering and genetic counseling, health, behavior control, death and dying, and medical experimentation.

**215 General Logic (3)**

An introduction to theories of the meaning and use of language and definition, to informal fallacies, to the theory of the syllogism and immediate inference.

**216 Symbolic Logic (3)**

An intensive study designed to develop facility in utilizing and understanding the techniques of symbolic logic.

Prerequisite: Philosophy 215, major in mathematics, or permission of the instructor.

**220 History of Ancient Philosophy (3)**

An examination of the development of philosophic thought from Thales to Plotinus, with special emphasis on the contributions of Plato and Aristotle.

**225 History of Medieval Philosophy (3)**

An examination of the major figures and developments in medieval philosophy from Augustine through William of Ockham.

**230 History of Modern Philosophy Through 1800 (3)**

An examination of the rise of modern philosophy and of some of its principal characteristics as exemplified in some major philosophers from the close of the Middle Ages through the philosophy of Immanuel Kant.

**235 History of Modern Philosophy Since 1800 (3)**

An examination of some of the major philosophers and developments in philosophy since Kant.

**265 Philosophy of Science (3)**

A critical consideration of the methods and assumptions of modern science: topics will include probability, inductive inference, experimentation and others.

**280 Aesthetics (3)**

A philosophical study of beauty and of the creation, appreciation and criticism of works of art.

*Prerequisite for work in courses numbered on the 300 to 400 level: either three semester hours from 100 to 200 level courses, except 215 and 216, or permission of instructor, unless otherwise specified.*

- 301 Ethics (3)**  
An introduction to some of the theories and proposals concerning the moral nature of man, the origin of moral values, the concept of good, the concepts of right and wrong, and the justification of ethical beliefs.
- 305 Twentieth Century Philosophy: The Existential Tradition (3)**  
A study of the philosophies of Kierkegaard, Nietzsche, Jaspers, Heidegger, Marcel, Sartre and others.
- 306 Twentieth Century Philosophy: The Analytic Tradition (3)**  
A study of the major movements in recent Anglo-American Philosophy. Movements to be considered include Realism, Logical Atomism, Logical Positivism, and Ordinary Language Philosophy. (Some topics previously treated in Philosophy 307 will be included.)
- 310 American Philosophy (3)**  
A critical treatment of leading philosophers in the United States up to the present, with major emphasis on the works of Peirce, James, Royce, Santayana, Dewey, and Whitehead.
- 315 Political and Social Philosophy (3)**  
A critical study and analysis of some of the fundamental concepts, issues, and problems which we persistently face in the social and political dimensions of our lives. Examples of topics: the nature of the state, the concepts of authority, freedom, and liberty, the question of political obligation, the nature of law and justice, the issues of equality and human rights.
- 320 Metaphysics (3)**  
A historical survey and critical examination of selected problems of metaphysics, including theories pertaining to the fundamental elements of being (ontology) and the larger patternings of the world (cosmology); universals and individuation, essence and existence, actuality and possibility, space and time, substance and change, freedom and purpose, fact and value, with consideration given to the possibility, methods and scope of metaphysics itself.
- 325 Epistemology (3)**  
A historical survey and critical examination of the major problems in the theory of knowledge, such as criteria of meaning, conceptions and criteria of truth, other minds, memory, our knowledge of the external world, the *a priori* and theories of perception.
- 326 Science and Belief (3)**  
An examination of the empirical basis of fundamental theory in all of the sciences and, where germane, in other systems of thought.  
Prerequisite: Philosophy or science major, or by permission of the instructor.
- 330 Philosophy of Language (3)**  
An investigation of some recent problems in philosophy of language, including standards of meaning, intentions and speech acts, translatability and synonymy, language and reality, and language and truth.
- 355 Philosophy of Religion (3)**  
A critical investigation of some of the basic problems in religious philosophy; topics will include the nature of religious experience, the language of religious discourse, the faith-reason conflict, the major arguments for the existence of God, the variety of attributes ascribed to God, and the God-evil controversy.
- 380 Taoism and Zen (3)**  
A study of major philosophical problems common to Taoism and Zen Buddhism. Topics will include the nature of reality, self and reality, self and society, and language and knowledge.  
Prerequisite: Either Philosophy 101, 285 or permission of the instructor.



**400-401 Bachelor's Essay (3,3)**

A two semester research and writing project done by the major during his senior year under the close direction of one of the professors in the department. The student must take the initiative in seeking one of the professors in the department as his mentor and submit in writing for departmental approval a proposal for his project. The department may prescribe whatever additional requirements it desires for insuring the quality of the work. The project must have departmental approval prior to the student's initial registration for the courses.

Prerequisite: Senior philosophy major and departmental approval.

**450 Seminar in Philosophy: Perspectives (3)**

An intensive examination of a selected philosophical perspective or tradition. Offered according to demand and interest of students at the discretion of the department, and open to students with permission of the instructor.

**465 Seminar in Philosophy: Philosophers (3)**

An intensive examination of the writings and developments of a selected philosopher. Offered according to demand and interest of students at the discretion of the department, and open to students with permission of the instructor.

**480 Seminar in Philosophy: Problems (3)**

An intensive examination of a selected problem in philosophy. Offered according to demand and interest of students at the discretion of the department, and open to students with permission of the instructor.

**490 Seminar in Constructive Philosophy (3)**

A synthesis and integration of the philosophical training of qualified students, designed to evoke from each student a critically constructed, though tentative, formulation of a viable philosophy of life.

Prerequisite: Senior philosophy major or 18 hours in philosophy.

**498, 499 Independent Study (1-3), (1-3)**

Individually supervised readings and study of some philosophical work, problem or topic of the student's interest.

Prerequisite: Permission of the instructor and department approval of project.

## PHYSICAL EDUCATION AND HEALTH

Courses in Basic Physical Education and in Physical Education may be taken for elective credit, but not more than eight semester hours total from both categories may be applied toward a degree. However, students majoring in secondary education, who seek certification in Physical Education may have the eight hour restriction in Physical Education waived. To do so, the student must sign a declaration of intent to receive Physical Education certification in the Office of the Registrar before earning more than eight hours credit in Basic Physical Education and Physical Education courses.

**105 Basketball and Volleyball (2)**

The history, theory, techniques, practice of skills, and rules of basketball and volleyball.

**107 Beginning Swimming (2)**

A course designed to teach the non-swimmer how to swim. Emphasis on drown proofing and elementary forms of water safety.

**108 Advanced Swimming (2)**

A course designed to improve swimming skills with emphasis on water safety, stroke mastery, elementary forms of lifesaving, and lifeguarding.

**109 Aerobics (2)**

The history, theory, and research that led to the development of the aerobic program of endurance fitness—with emphasis on the development of a lifetime program for the individual student.

**112 Tumbling and Gymnastics (2)**

An introductory course with instruction in tumbling (individual, dual, and group activities), rebound tumbling, pyramid building and gymnastics, including the trampoline, vaulting, balance beam, parallel bars, and the side horse.

**115 Physical Conditioning and Weight Training (2)**

A course designed to teach the accepted methods of developing and maintaining physical fitness. Consideration will be given to diet, nutrition, posture, physical form, and the role of resistance exercise in the improvement of physical fitness.

**116 Beginning Golf (2)**

The history, techniques, practice of skills, and rules of golf.

**117 Badminton and Racquetball (2)**

The history, techniques, practice of skills, and rules of badminton and racquetball.

**118 Sailing (2)**

The course will provide the student with instruction in the basic fundamentals of sailing. Attention will also be given to the safe, reasonable operation of the sailing craft, as well as instruction in the proper care and maintenance of sail boats.

**119 Beginning Tennis (2)**

The history, techniques, practice of skills, and rules of tennis.

**120 Fundamentals of Fitness, Physical Activity and Team Sports (2)**

An introductory course dealing with the historical development and philosophy of fitness programs, intramurals, physical education, recreational activities and selected team sports. Recommended for students who plan to do advanced work in physical education.

**205 Principles of Movement (2)**

This course will include a consideration of the concepts of efficient movement; the basic mechanical principles underlying efficient movement, such as gravity and buoyancy, equilibrium, motion, leverage, force, angle of rebound and spin, and projectiles; an application of principles to such fundamental skills as standing, walking, running, dancing, hopping, jumping, leaping, falling, throwing, and catching, and so forth; the application of the principles to selected sports; teaching efficient movement.

**PHYSICAL EDUCATION****130 Analysis and Conduct of Team Sports Activities (2)**

Designed to teach the students how to analyse and conduct team sports activities. Special emphasis will be placed on the role of the teacher in the proper conduct of such activities and the group dynamics and social situations which may arise in the performance of team sports.

**140 Analysis and Conduct of Lifetime Sports (2)**

Designed to teach the students how to analyse and conduct lifetime sports activities. Emphasis will be placed upon methods for determining students' capacities and the teaching techniques appropriate to facilitate the acquisition of the various skills.

**210 Intramural Sports (3)**

The significance and meaning of intramural sports in secondary schools and college in the United States with supervised work in planning, promoting, scheduling, organizing, and directing individual and team sports. Supervised work two hours per week. Lectures two hours per week.

Prerequisite: Permission of the Instructor.

**230 Analysis of Motor Skills (2)**

Designed to give the prospective teacher of motor skills an understanding and appreciation for the various aspects of motor learning and mechanical analysis which pertain to man as an active being. Special emphasis will be devoted to the analysis of movement skills.

Prerequisite: *Physics 101*

**310 Organization and Administration of Physical Education (3)**

A course covering the history of physical education, its organization in elementary and high school, and the administrative duties and problems in the area.

**320 Physical Education for the Elementary School (3)**

The design and implementation of the total elementary school program in physical education. Emphasis will be placed on curriculum design and teaching techniques. Experience in teaching the elementary school age child and supervised observations in public schools is required.

**321 Physical Education for the Secondary School (3)**

The design and implementation of the total secondary school program in physical education. Emphasis will be placed on curriculum design and teaching techniques.

**340 Work Physiology (3)**

The major objective of this course is to assist the student in gaining an understanding and appreciation of the physiological and metabolic adaptations attendant with the performance of physical work. Two hours lecture; two hours lab.

Prerequisite: *Biology 101*.

**HEALTH****102 Health Awareness (2)**

An introductory course which emphasizes the fundamental concepts and principles of health, especially those which are meaningful to today's college student. Discussion will focus on health topics, with secondary emphasis on the role activity can play in health maintenance. Lectures, two hours per week.

**210 The School Health Program (3)**

The design and implementation of a health program in the school. A study of the problems of health, the teaching methods, the objectives, principles and procedure of conducting a school health program.

**216 Personal and Community Health (3)**

A study of principles and problems of personal, group, and community health as applied to everyday living.

**217 Sexuality and Marriage (3)**

Consideration will be given to health preparation for marriage; emotional attitudes towards marriage; structure, function and problems of the human reproductive system; pre-marital planning; changing attitudes towards marriage; and sexuality in marriage.

**PHYSICS**

Two major programs are offered by the Physics Department, a pre-professional program leading to a B.S. degree, and a program oriented to the liberal arts leading to a B.A. degree.

*Bachelor of Science:* Required courses are Physics 103, 104, 220, 303, 306, 307, 401, 403, 404, 405, 406, and 411; Mathematics 323 and 423. Under special circumstances with departmental approval Physics 101, 102 may replace Physics 103, 104.

*Bachelor of Arts:* Required courses are Physics 103, 104, 411 and additional courses to total a minimum of thirty semester hours. The additional courses necessary to complete the major are to be selected by the student with the consultation and approval of the departmental advisor to form a coherent program. Under special circumstances with departmental approval Physics 101, 102 may replace Physics 103, 104.

Calculus is a prerequisite for all advanced courses in the department. Some advanced courses also require Mathematics 323 and 423. Chemistry 111, 112 and Computer Science 117 are strongly recommended for all physics majors.

**101, 102 Introductory Physics (4,4)**

A general physics course intended for those students who plan to take only one physics course. The math does not go beyond algebra or trigonometry. The material covered is similar to the Physics 103 and 104. With permission from the Physics Department a student may transfer to Physics 104 after completion of Physics 101. To take additional physics courses the same permission may be granted. Lecture, three hours per week; laboratory three hours per week.

Prerequisite: Math 102 or equivalent. PHY 101 is prerequisite for 102.

**103, 104 General Physics (4,4)**

Introduction to principles of physics for scientists. Subjects covered are: mechanics (vectors, linear and rotational motion, equilibrium, and gravitational fields); heat (mechanical and thermal properties of solids, liquids, and gases); light and sound (vibratory and wave motion, geometrical and physical optics, and spectra); electricity and magnetism (A.C. and D.C. fields, currents and circuits); modern physics. Lecture, three hours a week; laboratory, three hours a week.

Prerequisite: Mathematics 120 or equivalent. PHY 103 is prerequisite for 104.

**119 Celestial Navigation (2)**

The theory and practice of celestial navigation is developed. Topics include: the sextant, time, the Nautical Almanac, the spherical triangle, sight reduction tables, altitude corrections, navigational astronomy, lines of position, complete fixes, and star identification.

**129 Astronomy (4)**

An introduction to astronomy. Subjects covered are: a brief history of astronomy; coordinates, time; the earth's structure and motion; instruments used in astronomy; the moon, eclipses; comets, meteors, interplanetary medium; stars (binary, variable); star clusters; interstellar matter; galaxies; cosmology. Lectures, three hours per week; laboratory, three hours per week.

**130 Astronomy (4)**

A continuation of Physics 203. Lectures, three hours per week; laboratory, three hours per week. PHY 203 is a prerequisite for 204.

**150 Physics of Sound and Music (4)**

An investigation of mechanical and electronic generation of sound, propagation of sound, perception of sound and music, the acoustics of vocal and instrumental music, musical elements such as pitch, loudness and timbre, and musical constructs such as scales, temperament and harmony. The course involves only basic mathematics. This course is team taught by Physics and Fine Arts Faculty.

Prerequisite: None.

**205 Intelligent Life in the Universe (3)**

A general survey of the topic, stressing the interrelations between the fields of astronomy, physics, chemistry, biology, geology, and philosophy. Topics include: physical setting for origin and evolution of life, existence of such conditions elsewhere, possible number of extraterrestrial civilizations, possibility of contact, implications of an encounter. Features guest speakers.

Prerequisite: Physics 204 or permission of instructor.

**220 Introductory Electronics (4)**

Basic principles of electronics and their application to instrumentation for students preparing for research in applied mathematics, medicine, biology, physics, and chemistry. Lecture, three hours a week; laboratory, three hours a week.

Prerequisite: Physics 103-104 or permission of instructor.

**230 Introduction to Modern Physics**

An introduction to atomic and nuclear physics. Topics include atomic theory, x-rays, wave-particle duality, elements of quantum mechanics, nuclear physics and fundamental particles.

Prerequisite: Physics 104 or permission of instructor.

**241, 242 Introduction to Astronomy and Astrophysics (4, 4)**

An introduction to modern astronomy primarily intended for science majors. Topics covered include: astronomical coordinate systems, physics of the solar system, the structure and evolution of stars, the structure of the galaxy, external galaxies, and cosmology. The laboratory will include basic techniques of observational and theoretical astronomy including the application of the computer. Credit will not be given for both Physics 120, 130 and Physics 241, 242.

Prerequisite: Physics 104 or permission of the instructor. PHY 241 is prerequisite for PHY 242.

**303 Electricity and Magnetism (3)**

An intermediate course in electricity and magnetism. Subjects to be covered will include electric fields, magnetic fields, electric current, Maxwell's equations, and electric and magnetic quantum effects.

Prerequisite: Physics 104 or permission of instructor.

**304 Electricity and Magnetism (3)**

A continuation of Physics 303. Lecture, three hours per week. PHY 303 is prerequisite for 304.

**306 Physical Optics (4)**

An intermediate course in physical optics with major emphasis on the wave properties of light. Subjects to be covered will include boundary conditions, thin films, interference, diffraction, absorption, scattering, and laser emission. Lecture, three hours a week; laboratory, three hours a week.

Prerequisite: Physics 104, or permission of instructor.

**307 Thermodynamics (3)**

Temperature, thermodynamic systems, work, first and second law of thermodynamics, heat transfer, ideal gases, reversible or irreversible processes, entropy, and possible inclusion of topics in kinetic theory of gases and statistical mechanics.

Prerequisite: Physics 104; Prerequisite or corequisite: Math 423 or permission of instructor.

**401 Classical Mechanics (3)**

Newtonian dynamics of particles and rigid bodies, relativistic mechanics, Lagrangian and Hamiltonian mechanics. Waves.

Prerequisites: Physics 104 and Math 323, 423 or permission of instructor.

**402 Classical Mechanics (3)**

A continuation of Physics 401. Lectures, three hours per week. PHY 401 is prerequisite for 401.

**403 Introductory Quantum Mechanics (3)**

Wave-particle duality; the wave function; general principles of quantum mechanics; systems in one, two and three dimensions; electron spin; perturbation theory; scattering theory; electro-magnetic relation; systems containing identical particles; applications.

Prerequisites: Physics 303 and Math 323, 423.

**404 Introduction Quantum Mechanics (3)**

A continuation of Physics 403. Lectures, three hours per week. PHY 403 is prerequisite for 403.

**405, 406 Modern Physics Laboratory (2, 2)**

Designed to acquaint advanced students with some of the classic experiments of modern physics and to develop the student's experimental and laboratory techniques. Laboratory: 6 hours per week.

Prerequisite or corequisite: Physics 401. PHY 405 is prerequisite for 405.

**407 Introduction to Nuclear Physics**

An introduction to the theory of the nucleus, including constituents of the nucleus, nuclear forces and structure, natural and induced radio-activity, properties of alpha, beta and gamma radiation, particle accelerators, fission, fusion and nuclear reactors.

Prerequisite or corequisite: Physics 401.

**408 Introduction to Solid State Physics (3)**

A survey of the fundamental principles determining the macroscopic properties of solids. The lattice system and the electron system are investigated as a basis for understanding dielectric, magnetic, optical, semiconductive, and superconductive behavior in solids.

Prerequisite or corequisite: Physics 401.

**411 Independent Study (1-3)**

An independent study course in which a student works on a research project of his own choosing. This course is intended for advanced students. Credit hours and research topic are to be arranged prior to registration.

Prerequisite: Consent of instructor.

**412 Special Topics (1-3)**

Offered both semesters for advanced students prepared to work independently.  
Hours to be arranged.

Prerequisite: Consent of instructor.

**POLITICAL SCIENCE**

*The Major:* Thirty-six semester hours are required for a major in Political Science. Each major must include a minimum of 3 semester hours in 4 of the 5 subfields of Political Science (American Politics, Comparative Politics, International Politics, Political Theory and Law, and Public Administration). Political Science 101 is required for all students majoring in Political Science. Students are encouraged to take courses in history, sociology, economics, philosophy and psychology.

*Prerequisite Requirements:* Political Science 101 is a prerequisite for all courses in the program.

**GENERAL****101 American Government (3)**

Structure, context, functions, and problems of American national government. This course, or the equivalent, is a prerequisite for all other political science courses.

**102 Contemporary Political Issues (3)**

An introduction to the scope of inquiry in political science with an emphasis on significant contemporary political issues.

**402 Reading and Independent Study in Political Science (1-3)**

Designed primarily for the student whose interest has been aroused in a particular topic. The amount of reading or the nature of the project will determine the credit to be assigned. Limited to majors in Political Science. Permission of instructor required.

**403, 404 Seminar (3, 3)**

Deals with special topics in the subfields of political science. Topics change each semester.

**497, 498 Field Internship (3, 3)**

Designed to provide the advanced student with the opportunity to pursue a research topic in the context of an experiential learning situation. Open to juniors and seniors only.

Prerequisite: Permission of the Department.

**AMERICAN POLITICS****104 Comparative State Politics (3)**

Political institutions and behavior at the state level with emphasis on state legislatures, governors, judiciaries, state political parties, and public policy.

**223 Urban Government and Politics (3)**

Attention is focused upon the impact of an urban society upon the forms, structure, and functions of county and municipal governments; the political problems generated by metropolitan growth; the various approaches to the governing of the metropolis; the political process in urban communities; and upon community power structure and decision-making.

**224 The Urban Community and Its Problems (3)**

A survey of the basic problems of the urban community with emphasis on community power operations and conflict management.

**230 American Foreign Policy (3)**

A study of the institutions and elements involved in policy formulation; emphasis on the analysis of the major crises of the postwar period.

**263 Criminal Justice (3)**

An analysis of the criminal justice system with emphasis on the relationships between the actors and institutions in the system and the purposes served by the system.

**305 Government and Business Relations (3)**

An analysis of government—business interaction in the political system. Emphasis is on business' interest representation in government and the impacts of government on the business community. This course is also listed as Business Administration 305.

**306 Legislative Process (3)**

Organization, procedures, and behaviors of legislative bodies in America, with emphasis on the United States Congress.

**307 Judicial Process (3)**

An analysis of the major legal concepts and operations of the American judicial system; emphasis on the political as well as legal factors involved in judicial decision-making.

**309 Executive Process (3)**

An analysis of structure, behavior, history and roles of executive institutions in the American Political System. Emphasis on the Presidency.

**310 American Bureaucracy (3)**

An evaluation of America's public bureaucracy in terms of its ability to provide efficient management, public service, and a humane environment for its members.

**312 Southern Politics (3)**

A comparative study of selected political patterns and trends in the southern states since World War II.

**318 American Political Movements (3)**

An analysis of the organization, philosophy, and activities of American extremist movements.



**319 Political Parties and Interest Groups (3)**

Political parties, organization and function; activities and pressure groups; relationships between economic power and politics.

**320 Public Opinion and Behavior (3)**

An examination of the variables which affect opinion, formation, and voting behavior.

**321 Ethnic Politics (3)**

A survey of ethnic politics with emphasis on the political and social movements of ethnic groups, and their political behavior.

**325 Urban Community I (3)**

A survey of the theories of the urban community from Weber to the contemporary community power theorists. The theoretical background is designed to provide the student with a framework for dealing with a discussion of urban problems from the perspective of the concept of community and the breakdown of community.

Prerequisite: Political Science 101.

**326 Urban Community II (3)**

A continuation of Political Science 325. This course applies the theoretical concepts discussed in the first semester to actual decisionmaking situations and contexts. Various problem-solving methodologies will be employed.

Prerequisite: Political Science 101.

**366 American Political Culture (3)**

An analysis of political ideas and beliefs that condition and influence the political system. Topics include a history of American political thought, the development of a civic culture, and the ideology of the common man.

**370 National Security Policy (3)**

An analysis of American security policies and strategies with emphasis on the operations and functions of the institutions involved.

**380 Politics of Literature (3)**

An examination of key political themes as portrayed in novels, short stories, and other literary forms. Themes include the democratic tradition in America, political alienation in industrial society, and the phenomenon of totalitarianism. Authors whose works might be used include: Alexander Solzhnitsyn, Mark Twain, Robert Penn Warren, George Orwell, Norman Haller, Arthur Koestler, Albert Camus.

Prerequisite: Political Science 101.

**470 Urban Planning and Land Use Development (3)**

An analysis of the concepts of planning and land use development and their applications; emphasis on case studies of planning both public and private programs and projects.

Prerequisite: PSC 223 and 224 or permission of instructor.

**COMPARATIVE POLITICS****219 Introduction to Comparative Politics (3)**

An introduction to the structures and processes of foreign political systems and to the nature of comparative inquiry. Lecture, 3 hours a week.

**221 Comparative Contemporary Democracies (3)**

An examination of the forms of democratic government with particular emphasis on European political systems, including Britain, Germany, and France. Lectures, 3 hours a week.

**222 Comparative Communist Political Systems (3)**

Issues to be treated include the meaning and essential characteristics of communism, the role of the Party, and its leadership. States of development, the role of ideology and instruments of mobilization. Countries to be studied include the Soviet Union, Communist China, and Cuba.

**340 Politics of Contemporary Southeast Asia (3)**

A detailed study of the post World War II development of Southeast Asia including problems of populations, economic underdevelopment, insurgency, and internal politics.

**350 Latin American Affairs (3)**

A survey of the political, economic, social forces, and problems involved in the politics of Latin America.

**352 Developing Countries: India and Pakistan (3)**

A survey of the economic, social, and political problems and their impact on the political development of India and Pakistan.

**353 Developing Countries: Africa (3)**

An examination of the political, social, and economic problems encountered by the independent countries of Africa.

**360 The Politics of Modernization (3)**

A study of the problems that confront the developing countries of Asia, Africa, Middle East and Latin America; and examination of the programs, solutions and development policies.

**408 Soviet Affairs (3)**

A study of the foreign policy of the U.S.S.R. with emphasis on the understanding and evaluation of Soviet capabilities and objectives in the Post World War II years to the present.

**450 Political Violence (3)**

An examination of the factors contributing to the general increase in political violence, ranging from protest to emerging revolutionary movements.

**451 Politics of Revolutionary Change**

This course surveys the major revolutionary movements of the twentieth century, with emphasis on the Russian, Chinese, Mexican and Cuban revolutionary experiences and examines the critical functions of charismatic leadership in these revolutions.

Prerequisite: Political Science 101.

**INTERNATIONAL POLITICS****241 International Organization (3)**

An analysis of the role and functions of international organizations in world politics; emphasis on relationships to foreign policies and the settlement of disputes.

**261 International Relations (3)**

Introductory survey of the nation-state system, its characteristic forms and principal forces making for international conflict and adjustment. Nationalism, imperialism, economic relations, war, diplomacy and concepts of national interest are given special attention.

**262 The United States and World Problems (3)**

Factors influencing the position and policies of the United States in international society; United States policy in regard to international organizations and various geographic areas of the world.

**330 Far Eastern Affairs (3)**

An analysis of political, social, and economic patterns and forces in the Far East in recent times. Emphasis will be placed on the impact of western imperialism and the breakup of colonial empires as well as contemporary problems. United States Security interests and involvements in the Far East will also be stressed.

**335 The Middle East in World Affairs (3)**

An analysis of selected major problems of the post-war Middle East, including colonialism, independence movements, minorities, intra-area relations, economic underdevelopment, and the Arab-Israeli dispute.

**POLITICAL THOUGHT AND LAW****260 Western Political Thought (3)**

A survey of principal ideas and concepts developed by Western political thinkers from Plato to modern times. Emphasis is on relating classical political thought to contemporary politics.

**308 Constitutional Development (3)**

Origin and development of the American Constitution and constitutional issues; relationship of English constitutional development to doctrines and principles of American constitutionalism. Offered alternate years.

**331 International Law (3)**

An examination of the principles of international law, particularly as interpreted and applied by the United States. Emphasis will be on current legal problems of the international community, such as maritime law, space law, trade agreements, and regulatory treaties.

Prerequisite: Political Science 101.

**368 Scope and Methods of Political Science (3)**

An examination of the methodological foundations of contemporary Political Science, including a survey of the dominant approaches to political inquiry.

**369 Survey Research in Politics (3)**

The use of the survey, or poll, in studying politics. Students develop, conduct, and analyze their own surveys.

**405 Political Theory (3)**

A study of the theories concerning the purpose and functions of the state. It is concerned with the political theorists from Plato to Machiavelli. May be taken independently of 406.

**406 Political Theory (3)**

A continuation of 405. It is concerned with examining political theorists from Machiavelli to Marx. May be taken independently of 405.

**407 Modern Ideologies (3)**

A study of the major political doctrines and political cultures of the present day, with primary emphasis upon Communism, Fascism, Socialism, and the doctrines of the modern democratic state.

**420 Civil Liberties (3)**

A study of court's interpretation of the basic rights and freedoms of the individual; emphasis on development and application.

### PUBLIC ADMINISTRATION AND PUBLIC POLICY

**201 Public Administration (3)**

An analysis of the basic principles, functions, and practices of public administration; emphasis on decision-making and bureaucratic behavior.

**202 Organization Theory (3)**

A study of the complex nature of public organization, with an emphasis on decision making and public personnel problems.

**210 Introduction to Public Policy Analysis (3)**

This course is designed to introduce the student to the perspectives, literature, and substantive knowledge in the area of public policy analysis. The relationship between the environmental context of politics, political institutions, and policy decisions will be emphasized. The role of the public in the policy formulation process is given particular attention.

**341 The Politics of Environmental Protection (3)**

The course focuses on the political context of environmental protection policy. The course emphasizes the impact of political constraints on environmental protection policy and the significance of such constraints for environmental policy development.

**342 Special Topics in Public Policy (3)**

An intensive examination of topics in public policy. Formulation of the specific subject matter for the course will reflect both student and faculty interest. (Specific topics will be listed with course title when listed, e.g., Special Topics in Public Policy: Health Care).

Prerequisite: Political Science 101.

**343 State and Local Policy Processes (3)**

An examination of the literature related to the policy making process at the state and local levels of the American political system. The course focuses on the roles played by the social economic environment, inter-governmental relationships, citizens' involvement, political parties, and the structure of governmental institutes in determining policy decisions at the state and local levels.

Prerequisite: Political Science 101.

**409 Government Finance (3)**

The role of fiscal management and planning in the administrative process; budgetary theory and process; intergovernmental fiscal relations.

**PSYCHOLOGY**

*The Major:* Psychology 205, 206, 311, 312, and eight additional courses in psychology, a total of thirty-six semester hours.

The student majoring in psychology is advised to consider including courses in biology, philosophy and sociology in his program of study.

**205 General Psychology (3)**

An introduction to the scientific study of behavior and a survey of general principles and significant experimental findings.

**206 General Psychology (3)**

A continuation of psychology 205 with an introductory consideration of specific fields of psychological inquiry.

Prerequisite: Psychology 205.

**307 Abnormal Psychology (3)**

The psychological aspects of the behavior disorders with emphasis on the psychoneuroses and psychoses.

Prerequisite: Psychology 205 and 206.

**308 Psychology of Personality (3)**

The normal personality from the point of view of contemporary psychology. A consideration of structure, dynamics, individual differences and methods of assessment.

Prerequisite: Six semester hours of psychology.

**309 Developmental Psychology (3)**

A study of the development of behavior during childhood and adolescence. Attention is given to unifying theoretical formulations.

Prerequisite: Six semester hours of psychology.

**310 Social Psychology (3)**

A study of the principles of human interaction including a consideration of such topics as social learning, person perception, attitudes, prejudice, and analysis of small group behavior.

Prerequisite: Six semester hours of psychology.

**311 Psychological Statistics (3)**

Elementary statistical techniques and their application to the analysis and interpretation of psychological data.

Prerequisite: Six semester hours of psychology.

**312 Experimental Psychology (3)**

Standard experiments in the areas of reaction time, sensation, perception, learning and emotion. Lectures, two hours a week; laboratory, three hours a week.

Prerequisite: Psychology 311.

**313 Conditioning and Learning (3)**

A survey of the experimental study of human and animal learning with an introductory consideration of modern learning theory.

Prerequisite: Six semester hours of psychology.

**314 Advanced General Psychology (3)**

A consideration of selected topics from various fields of psychology. Designed to be taken in the senior year.

Prerequisite: Psychology 205, 206, and three additional semester hours of psychology.

**315 Tests and Measurements (3)**

A consideration of the history, theory and techniques of psychological measurement. Attention is given to the measurement of intelligence, personality, interests, attitudes and aptitudes. Limited experience in test administration and interpretation is provided.

Prerequisite: Psychology 311.

**316 Systems of Psychology (3)**

A study of contemporary psychological theory, including a consideration of Functionalism, Behaviorism, Gestalt Psychology and Psychoanalysis.

Prerequisite: Six semester hours of psychology.

**317 Motivation (3)**

A critical analysis of the concept of motivation in historical perspective with an emphasis on contemporary research and theories.

Prerequisite: Six semester hours of psychology.

**318 Comparative Psychology (3)**

A comparison and explanation of the similarities and differences in the behavior of different species of animals.

Prerequisite: Six semester hours of psychology.

**319 Physiological Psychology (3)**

A consideration of anatomical and physiological correlates of behavior.

Prerequisite: Six semester hours of psychology. Previous work in biology is highly recommended.

**320 Theories of Personality (3)**

A consideration of major contemporary theories of personality.

Prerequisite: Psychology 308.

**321 Industrial Psychology (3)**

A study of the application of psychological principles to industrial organizations. Topics covered include individual differences, job satisfaction, supervision, personnel selection, training and placement.

Prerequisite: Psychology 205 and 206.

**323 Advanced Psychological Statistics (3)**

Advanced topics involved in the psychometric interpretation of psychological data. Consideration is given to selected parametric and non-parametric techniques. Limited exposure is given to the measurement of reliability and validity of tests.

Prerequisite: Psychology 311.

**324 Experimental Design (3)**

The basic principles of experimental design and the interpretation of experimental data.

Prerequisite: Psychology 312.

**325 Experimental Psychology II (4)**

Applications of the principles of modern learning theory in the behavioral laboratory. Phenomena under study include shaping, chaining, fading, generalization, discrimination, and concept formation. Lectures, 3 hours a week. Laboratories, 3 hours per week.

Prerequisite: Psychology 312 or permission of Instructor.

**326 Human Learning (3)**

A study of various topics in human information processing and performance. Among the areas considered are verbal learning and retention, sensorimotor skills, problem solving, concept formation, and psycholinguistics.

Prerequisite: Six semester hours of psychology.

**327 Visual Perception (3)**

A study of physiological and psychological variables determining our visual experiences. Topics treated include perception of space, form, movement, color and brightness, illusions, attentive processes, and the role of learning in perception. (Not open to students who have completed Psychology 322.) Lectures, 3 hours per week.

Prerequisites: Psychology 205 and 206.

**328 Sensory Processes (3)**

Auditory, vestibular, somesthetic, olfactory, and gustatory systems are examined from physiological and psychological perspectives. Determinants of phenomena of nonvisual perception are considered. Exposure is given to psychophysical methods and detection theory. Lectures, 3 hours per week.

Prerequisites: Psychology 205 and 206.

**330 Behavior Control (3)**

A study of the application of the principles of operant and respondent conditioning to the control of human behavior, both normal and disordered, including a consideration of the moral and social implications of the behavior control technologies. Lectures, 3 hours per week.

Prerequisite: Psychology 313.

## RELIGION

**101 History of the Christian Church (3)**

The study will begin with the Church in the New Testament and continue through its Early Medieval, Catholic and Protestant periods to recent trends in the Twentieth Century.

**102 Introduction to the History of Religions (3)**

An introductory study of the great regions of mankind, other than Judaism and Christianity, and including primitive religion, Hinduism, Buddhism, the religions of China, Japan, Sorastrianism and Islam.

## SOCIOLOGY AND ANTHROPOLOGY

*The Major:* Thirty semester hours in sociology (excluding Sociology 205 and 206) which must include Sociology 101, 202, 361, 371, and three semester hours in either Independent Study or Special Topics. In addition, students must take at least three semester hours in any three of the four areas of concentration in sociology: Social Psychology (330's), Social Problems (340's), Social Organization (350's) and Social Theory (360's).

Non-majors wishing to take six semester hours of sociology to fulfill their social science degree requirements are required to take Sociology 101, but may take Sociology 202, 205, or 206 in the second semester.

The student majoring in sociology is encouraged to include courses in history, political science, economics, philosophy, and psychology in his program of study.

### ANTHROPOLOGY

**101 Introductory Anthropology (3)**

A study of the major fields of anthropology, archaeology, ethnology, and linguistics. This course was formally Anth 201.

**202 Archaeology (3)**

An introduction to basic theory and techniques of the reclamation of cultural remains.

Prerequisite: Anth 101, Introduction to Anthropology or permission of instructor.

**203 Introduction to Physical Anthropology (3)**

An introduction to the study of human physical development including a survey of human evolution, race, man's relationship to other primates, and the effects of culture upon man's physical development.

**204 Primitive Technology and Techniques (3)**

An analysis of the inventions and discoveries of pre-literate peoples, with emphasis on the interrelationship of the technological innovations and their impact on the social systems of the practicing populations.

Prerequisite: Anth 101, Introduction to Anthropology or permission of the instructor.

**210 Comparative Kinship and Social Organization (3)**

A comparative review of the principles used in kinship and social organization among various peoples of the world. Emphasis will be placed on non-Western societies.

Prerequisite: Anth 101 or permission of instructor.

**310 Cultural Anthropology (3)**

A study of human relations as affected by physical, biological, psychological, and cultural phenomena.

Prerequisite: Anth 101, Introduction to Anthropology or permission of instructor.



**311 Comparative Belief Systems (3)**

A survey of pre-literate belief systems and contemporary theory in the area.

Prerequisite: Anth 101, Introduction to Anthropology or permission of the instructor.

**313 Social Anthropology (3)**

A review of major modern theories in sociocultural anthropology.

Prerequisite: Anth 101 or permission of instructor.

**320 North American Ethnology (3)**

A survey of the cultural areas of North America at European contact, with descriptions of typical cultures in each area.

Prerequisite: Anth 101, Introduction to Anthropology or permission of the instructor.

**321 Ethnology of Oceania (3)**

An overview of the Pre and Past contact cultures of the Southern Pacific (Melanesia, Polynesia, Micronesia).

Prerequisite: Anth 101, Introduction to Anthropology or permission of the instructor.

**325 Ethnology of Latin America. (3)**

A review of major sociocultural developments in prehistoric and historic Latin America. Emphasis will be placed on Mexico, the Andes, and the Caribbean.

Prerequisite: Anth 101 or permission of instructor.

**326 Ethnology of Europe (3)**

A review of major sociocultural developments in historic and modern Europe. Emphasis will be placed on modern peasant societies.

Prerequisite: Anth 101 or permission of instructor.

**350 Culture Change (3)**

A study of current and historic theories concerning the process of cultural change. Attention will also be given to the techniques involved in the analysis and control of directed cultural and social change.

Prerequisite: Anth 101 or permission of instructor.

**499 Seminar in Anthropology (1-3)**

An overview of various theoretical areas of Anthropology, with stress on student research and methodology.

Prerequisite: Anth 101, Introduction to Anthropology or permission of the instructor.

## SOCIOLOGY

**101 Introductory Sociology (3)**

An introduction to the study of the individual and society as mutually influencing systems.

**202 Introduction to Social Institutions (3)**

The study of the nature, structure, and function of the major institutions developed and maintained by society to serve its ends.

Prerequisite: Sociology 101.

**205 Social Problems (3)**

The sociological approach to the analysis of social problems. Selected problems will be analyzed to demonstrate that approach.

Prerequisite: Sociology 101 or permission of instructor.

**206 Sociology of the Family (3)**

Analysis of courtship, marriage and family relationships.  
Prerequisite: Sociology 101 or permission of instructor.

**331 Self and Society (3)**

A survey of the manifold ways in which social structure and personality interact. Among the topics covered will be socialization, attitude formation and change, cognition and perception, and collective behavior.

Prerequisite: Sociology 101 and 331 or permission of instructor.

**332 Collective Behavior (3)**

An examination of the theories and literature, both historical and contemporary, relevant to the more dramatic forms of human social behavior; panics, riots, revolutions, and the like.

Prerequisite: Sociology 101 and 331 or permission of instructor.

**333 Socialization (3)**

An in-depth study of the fashion in which the social structure bears upon and influences individuals through the communication of culture. While the majority of attention will be paid to childhood socialization in American society, both post-childhood and cross-cultural socialization will be considered.

Prerequisite: Sociology 101 and 331 or permission of instructor.

**339 Special Topics in Social Psychology (3)**

An intensive examination of some special topic in social psychology. Formulation of the specific subject matter for the course will reflect both student and faculty interest.

Prerequisite: Sociology 101 and 331 or permission of instructor.

**341 Criminology (3)**

A study of criminal behavior, penology, rehabilitation including the analysis of crime statistics, theories of criminal behavior and important Supreme Court decisions.

Prerequisite: Sociology 101 or permission of instructor.

**342 Juvenile Delinquency (3)**

A detailed analysis of the nature, extent, and causative theories of juvenile delinquency, and an evaluation of treatment and preventative programs designed to reduce juvenile delinquency.

Prerequisite: Sociology 101 or permission of instructor.

**343 Race and Ethnic Relations (3)**

An in-depth examination of the problems associated with race and ethnic relations in contemporary American society.

Prerequisite: Sociology 101 or permission of instructor.

**344 Social Gerontology (3)**

An investigation of the sociological aspects of aging with an emphasis on the social problems faced by older citizens and those faced by the members of society because of those citizens. Biological and psychological influences on the social behavior of the aged will be considered as they relate to the problems studied.

Prerequisite: Sociology 101 and 202 or permission of instructor.

**349 Special Topics in Social Problems (3)**

An intensive examination of some special topics in social problems. Formulation of the specific subject matter for the course will reflect both student and faculty interest.

Prerequisite: Sociology 101 and 202 or permission of instructor.

**352 Human Ecology and Demography (3)**

Consideration of theory and research emerging around the concepts of human ecology and demography. A review of the background of human ecology, and demography is followed by readings, reports, and research on its contemporary development.

Prerequisite: Sociology 101 and 202 or permission of instructor.

**353 Sociology of Occupations and Professions (3)**

Analysis of occupational roles and structures; adjustment problems of various career stages; interrelationships of stratification systems, life styles, and occupations.

Prerequisite: Sociology 101 and 202 or permission of instructor.

**354 Social Stratification (3)**

The nature of social status systems, and the means by which people obtain and change their positions. Emphasis is on American society.

Prerequisite: Sociology 101 and 202 or permission of instructor.

**355 Sociology of Education (3)**

A study of the sociological structure and functions of modern education in America through college, and the relationships of the school as a social institution to the family, governmental and religious institutions.

Prerequisite: Sociology 101 and 202 or permission of instructor.

**356 Sociology of Religion (3)**

Sociological analysis of groups, beliefs, and practices as they relate to certain social variables in society.

Prerequisite: Sociology 101 and 202 or permission of instructor.

**357 Political Sociology (3)**

Analysis of problems involved in the study of power relations in society; distribution of power in society; types and processes of government, political participation and political mobilization.

Prerequisite: Sociology 101 and 202 or permission of instructor.

**359 Special Topics in Social Organization (3)**

An intensive examination of some special topics in social organization. Formulation of specific subject matter for the course will reflect both student and faculty interest.

Prerequisite: Sociology 101 and 202 or permission of instructor.

**361 Development of Social Theory (3)**

A study of the development of sociology as a body of knowledge and of the various "classical" attempts to define the problems and boundaries of a science of human social behavior.

Prerequisite: Sociology 101 and 202 and six hours of upper level Sociology.

**362 Social Change (3)**

An examination of various attempts, both classical and modern, to explain change and development of societies. Some attention will be focused upon the literature relevant to contemporary problems of change in underdeveloped countries.

Prerequisite: Sociology 101 and 202 and 361.

**369 Special Topics in Social Theory (3)**

An intensive examination of some special topic in social theory. Formulation of the specific subject matter for the course will reflect both student and faculty interest.

Prerequisite: Sociology 101 and 202 and 361.

**371 Research Strategy and Techniques in Sociology (3)**

An examination of the nature of scientific inquiry and its application to sociological research using selected techniques of data collection and analysis.

Prerequisite: Sociology 101 and 202 and six hours of upper level Sociology.

**381 Alcohol Abuse, Alcoholism, and Community Action: An Internship (4)**

A study of alcohol abuse and alcoholism with a context of community based programs concerned with the problem. The course will have two foci: an academic component designed to acquaint the student with the manifold aspects of alcohol abuse; an internship component designed to provide an opportunity for the student to familiarize himself with the functioning of community based programs which have as their primary concern, an attempt to come to grips with the problems created by alcohol abuse.

Prerequisite: Junior or Senior standing. Preference given to students who anticipate pursuing careers in social services fields. Prior consultation with course instructor strongly recommended.

**451 Urban Sociology (3)**

Theory and research in the study of the location and growth of urban areas, the effect urban areas have upon behavior, and the study of social behavior in differential urban settings.

Prerequisite: Sociology 101 and 202 or permission of instructor.

**499 Independent Study (1-3)**

Individually supervised readings, and study of some sociological work, problem or topic of the student's interest.

Prerequisite: Sociology 101 and 202 or permission of instructor.

## URBAN STUDIES

*The Major:* Forty-two semester hours, which must include Political Science 223, "Urban Government and Politics"; History 203, "Urban History and the United States"; Sociology 351, "Urban Sociology"; Economics 307, "Urban Finance"; and Urban Studies 400, "Urban Seminar/Internship".

### Areas of Concentration

Each student must develop a special competence in a particular area of urban studies by completing twenty-seven hours in this interdisciplinary area of concentration. Each student's program will be prepared in consultation with his adviser. There are five areas of concentration: Urban Government and Politics, Urban Sociology, and Urban Administration, Urban Design, and Urban Justice.\*

a. *Urban Government and Politics* (27 hours)

*Political Science* (15 hours from this field)

PSC 104 Comparative State Politics

PSC 201 Public Administration

PSC 210 Introduction to Public Policy Analysis

PSC 224 Urban Problems

PSC 263 Criminal Justice

PSC 306 Legislative Process  
PSC 310 American Bureaucracy  
PSC 312 Southern Politics  
PSC 318 American Political Movements  
PSC 319 Political Parties and Interest Groups  
PSC 320 Public Opinion and Behavior  
PSC 321 Ethnic Politics  
PSC 325 Urban Community  
PSC 341 Politics of Environmental Protection  
PSC 366 American Political Culture  
PSC 369 Survey Research in Politics  
PSC 420 Civil Liberties  
PSC 470 Urban Planning and Land Use Development

*Sociology* (12 hours from this field)

SOC 205 Social Problems  
SOC 341 Criminology  
SOC 342 Juvenile Delinquency  
SOC 354 Social Stratification  
SOC 357 Political Sociology

b. *Urban Sociology* (27 hours)

*Sociology* (15 hours from this field)

SOC 205 Social Problems  
SOC 341 Criminology  
SOC 342 Juvenile Delinquency  
SOC 343 Race and Ethnic Relations  
SOC 353 Sociology of Occupations and Professions  
SOC 354 Social Stratification  
SOC 357 Political Sociology  
SOC 355 Sociology of Education  
SOC 356 Sociology of Religion

*Political Science* (12 hours from this field)

PSC 201 Public Administration  
PSC 210 Introduction to Public Policy  
PSC 224 Urban Problems  
PSC 263 Criminal Justice  
PSC 310 American Bureaucracy  
PSC 312 Southern Politics  
PSC 318 American Political Movement  
PSC 319 Political Parties and Pressure Groups  
PSC 320 Public Opinion and Behavior  
PSC 321 Ethnic Politics

PSC 325 Urban Community  
 PSC 341 Politics of Environmental Protection  
 PSC 366 American Political Culture  
 PSC 369 Survey Research in Politics  
 PSC 420 Civil Liberties

c. *Urban Administration* (27 hours)

*Political Science* (12 or 15 hours)

PSC 201 Public Administration  
 PSC 210 Introduction to Public Policy  
 PSC 224 Urban Problems  
 PSC 305 Government and Business Relations  
 PSC 310 American Bureaucracy  
 PSC 325 Urban Community  
 PSC 341 Politics of Environmental Protection  
 PSC 369 Survey Research in Politics  
 PSC 409 Government Finance  
 PSC 470 Urban Planning

*Business Administration and Economics* (12 or 15 hours)

BA 203 Accounting Concepts I  
 BA 301 Management Concepts  
 BA 304 Statistics  
 BA 307 Personnel Management  
 BA 311 Transportation System (Prerequisite: Eco 202)  
 BA 335 Governmental and Institutional Accounting  
 BA 401 Human Relations  
 BA 406 Quantitative Methods and Decision-Making  
 ECO 304 Labor Economics  
 ECO 317 Microeconomic Analysis  
 ECO 320 Managerial Economics  
 ECO 330 Comparative Economic Systems  
 ECO 404 Independent Study

d. *Urban Design* (15 hours in Fine Arts; 12 hours chosen from non-Fine Arts courses listed below)

ART 206 Introduction to City and Regional Planning  
 ART 310 Space, Structure, and Urban Design in Ancient Times  
 ART 311 Space, Structure, and Urban Design in Middle Ages  
 ART 312 Space, Structure, and Urban Design in Modern Times  
 ART 412 Twentieth Century Theories of Design

GEO 205 Environmental and Urban Geography  
 PS 210 Introduction to Public Policy

PS 224 Urban Problems  
 PS 301 Public Administration  
 PS 302 Public Administration  
 PS 325 Urban Community  
 PS 340 Politics of Environmental Protection  
 PS 470 Urban Planning  
 SOC 205 Social Problems  
 SOC 357 Political Sociology

e. *Urban Justice* (27 hours from among those courses listed below)

PS 224 Urban Problems  
 PS 263 Criminal Justice  
 PS 307 Judicial Process  
 PS 308 Constitutional Development  
 PS 420 Civil Liberties  
 SOC 205 Social Problems  
 SOC 341 Criminology  
 SOC 342 Juvenile Delinquency  
 SOC 343 Race and Ethnic Relations  
 SOC 357 Political Sociology  
 PSY 307 Abnormal Psychology

**400 Seminar/Internship (3)**

An intensive examination of selected problems in the social sciences and an intern placement designed to provide an opportunity for the student to familiarize himself with the functions and operations of governmental and community service agencies in an urban environment.

**401 Seminar/Internship (3)**

A continuation of Urban Studies 400. Not required for Urban Studies major.  
 Prerequisite: Permission of Director of Urban Studies.

\* Individualized programs may be designed with the approval of the Director of Urban Studies.

\*\* Urban Studies Majors should notify his/her advisor one semester prior to enrollment in Urban Studies 400 Seminar/Internship in order to arrange for intern placement.

## **SPECIAL PROGRAMS**

### **The Governor's School of South Carolina**

The Governor's School is a six-week summer program for gifted and talented South Carolina high school students. The school is designed to provide enrichment experiences for a limited number of rising high school juniors and seniors who have demonstrated exceptional ability and achievement in their studies.

Conducted on the College of Charleston campus in June and July each year, The Governor's School curriculum is centered around a special subject concentration in fields such as Language and Communication Arts, Biology and Chemistry, Mathematics and Physics, and the Social Sciences. Value clarification studies, counseling, self-expression workshops and an extensive enrichment program constitute other major portions of the challenging program.

Qualified students are nominated by their high schools and then selected in a statewide competition by a special selection committee. In 1977 approximately 400 students are expected to participate. There is no expense to the student.

### **Study Abroad**

Believing that global awareness and a greater understanding of the dynamics of international and intercultural interaction should be integral components of a liberal education, the College of Charleston encourages students to participate in a period of study, travel or employment abroad as a valuable adjunct to their campus academic program. When carefully conceived and adequately prepared for, the experience of living and studying in another culture, often requiring the mastery and use of a second language, is consonant with the College's liberal arts philosophy.

### **Office of International Programs**

To assist students of the College to plan for and engage in meaningful overseas experiences the Office of International Programs maintains an extensive library of overseas study opportunities. Counseling on study abroad, foreign travel and employment are available. The Office also issues the International Student Identification Card (ISIC) and cooperates with faculty to develop College sponsored overseas academic programs.

### **International Students**

Recognizing that international students bring a wealth of educational and cultural benefits to the College and the community, the College of Charleston welcomes applications for admission by stu-



dents from abroad. Young men and women who possess high academic and personal qualifications and who have a command of spoken and written English sufficient to allow active pursuit of a full course of studies will discover that an exciting personal and intellectual challenge awaits them at the College of Charleston.

In addition to satisfying the College's general admission requirements, applicants from abroad must provide proof of proficiency in English and of adequate funds to defray their educational expenses. A limited amount of financial assistance may be available to international students with *bona fide* financial need.

International students should direct inquiries and requests for further information to the Office of International Programs.

### **Summer Programs**

The year-round pursuit of educational and professional goals at the post-secondary level is an established practice at colleges and universities across the country. At the College of Charleston the educational program of the regular academic year is augmented by summer sessions with substantial offerings at introductory and advanced levels in all disciplines that comprise the curriculum.

Summer Sessions present a unique opportunity for students to engage in intensive, concentrated study permitting acceleration towards both undergraduate and graduate degree objectives. Additionally, cultural and intellectual enrichment, exploration of fields of study outside the major concentration, acquisition of necessary prerequisites, remediation and making up work missed in the regular academic term are facilitated by participation in the summer sessions.

A separate bulletin providing information about summer courses, workshops and special institutes is available from the Office of Summer Programs.

### **Self-Instructional Program in Critical Languages**

It is possible for qualified students of high motivation to study one of several critical or less commonly taught foreign languages by the self-instructional method. Essentially an honors program for advanced students, the Self-Instructional Program in Critical Languages is open by application to qualified students interested in the study of non-western and other languages not usually offered by the College.

The general requirements for acceptance into the program include: 1) strong overall academic record, 2) demonstrated language learning aptitude, and 3) high motivation.

The program combines self-paced, independent study using especially prepared cassette tapes and language texts designed for

audio-lingual learning with frequent drill sessions with a native tutor, periodic progress tests and a final examination by an outside evaluator. Students must provide their own cassette players.

Ordinarily, students admitted to the Self-Instructional Program in Critical Languages will already have fulfilled the foreign language requirement. In exceptional cases, however, successful completion of the two-semester intermediate sequence may be used to satisfy the foreign language requirement.

Language offerings under this program are contingent upon the availability of qualified tutors as determined by the College. For full particulars students are requested to contact the Director of the program in care of the Languages Department.

### **SEA Semester**

The College of Charleston is a participant in the SEA Semester. Each SEA Semester consists of a shore component and a sea component, each of six week's duration. In the shore component, the student will take formal courses in marine science, nautical science, and man and the sea, presented by a core faculty from SEA and a number of visiting lecturers from the staff of the Marine Biological Laboratory and the Woods Hole Oceanographic Institute. The sea component is presented aboard Research Vessel Westward, a topsail schooner equipped with extensive navigational and oceanographic equipment. The student apprentices attend formal lectures daily at sea and are divided into regular watches to man all scientific and sea-going activities of the vessel. By the conclusion of the voyage, each student is expected to have developed the capacity to take full responsibility for any of the ship's operations. Successful completion of a SEA Semester earns 16 credits. Personal interviews are required for admission. Further information may be obtained by contacting a member of the Physics Department of the College of Charleston or by writing SEA, P. O. Box 6, Woods Hole, Massachusetts 02543.

### **Cooperative Contract with Medical University of South Carolina College of Nursing**

For students interested in pursuing a baccalaureate degree in nursing, the College of Charleston supports the program of studies at the Medical University of South Carolina College of Nursing through a cooperative contract. Students who have been accepted by MUSC College of Nursing are eligible for enrollment in general education courses at College of Charleston. General education requirements are emphasized in the freshman year and continue throughout the entire four years.

**Washington Center Program**

The College of Charleston is a participant in the Washington Center for Learning Alternatives Internships (WCLA). These internships give the student the opportunity to spend a semester working in an office of the federal executive branch, a congressman's office, or a public interest lobbying project. Further information may be obtained from the College of Charleston's WCLA Review Committee.

**GRADUATE INSTRUCTION**

The College of Charleston offers two Master's degrees, the M.S. in Marine Biology and the M.Ed. with concentration in Elementary and Early Childhood Education.

A separate Graduate Bulletin may be obtained by writing the Graduate Office.

## GENERAL INFORMATION

### Buildings and Grounds

The campus and main buildings of The College of Charleston occupy a portion of the tract of land which, six years before the Revolutionary War, was appropriated by the General Assembly of South Carolina for the establishment of a college at Charles Town. The tract lay well to the north of the city at the time of the appropriation. The years which followed saw the city of Charleston grow around and beyond the college site so that today the campus lies almost in the center of the city. In recent years the College has reacquired and continues to acquire properties in the original eight block area donated to the College by the City of Charleston in 1785.

Harrison Randolph Hall stands between College and St. Philip Streets. Construction of the center section was begun in 1828; the portico, wings, and the Porter's Lodge were constructed in 1850. The wings of the Randolph Hall, although almost completely destroyed in the earthquake of 1886, were restored according to the original plans within the same year, and an extension to the west of the building was opened in the fall of 1930. The clock on the pediment of the portico was presented to the College in 1954 by the Pi Kappa Phi fraternity on the fiftieth anniversary of the organization's founding at the College of Charleston. The building houses the offices of the President, Deans of the College, and the administrative officers and staff. In addition to these offices the building contains classrooms, faculty offices, a museum, and reception/conference facilities. The renovation of Harrison Randolph was completed in the spring of 1976.

The Edward E. Towell Learning Resources Center, built in 1855 and used as the campus library until 1972, stands on the College Promenade side of the campus, a short distance south of Harrison Randolph Hall. Modernization, necessary in recent years to meet the demands of a modern media center, has not changed the outward form of the building nor destroyed the panelled elegance of the original interior.

The College Athletic Center stands at the corner of George and Meeting Streets and repeats the neoclassical characteristics of earlier buildings.

The Craig Union is situated directly across George Street from Harrison Randolph Hall. For many years this facility provided a center for the nonacademic side of student life by providing student lounges, eating facilities, and game rooms. Today, the first floor is the major dining room for College of Charleston students.

Other campus buildings, many of them designated of historic significance, are used for student activities, faculty offices, and class facilities. Collectively, these buildings are considered a museum of American architecture since 1770.

Since 1971 the College has undertaken a major construction program to serve the needs of an increased student body. The new Robert Scott Small Library opened in 1972 and two new sections were completed in 1975; Burnett Rhett Maybank Hall, the College's main classroom facility, was opened to students and faculty in 1973. The modern Science Center on Coming Street and Physician's Memorial Auditorium, with their modern laboratories and lecture facilities, opened in June 1974. The recently completed Theodore S. Stern Student Center is designed to serve students and their organizations with snack bar, post office, college store, lounge areas, meeting rooms, student government offices, and recreation areas (bowling lanes, swimming pool, game rooms, etc.). A modern Fine Arts Center on St. Philip Street will commence construction in 1976.

### **Residence Hall Facilities**

The College Lodge Residence Hall for men accommodates 200 students, two to each room. In addition, several historic buildings have been restored and refurbished to accommodate men residents.

Buist Rivers Residence Hall with facilities for 102 women residents, two to each room, and Rutledge Rivers Apartments housing 103 women residents are located on the College Promenade. Craig Residence Hall for women located on the corner of George and St. Philip Streets, accommodates 96 students, two to each room. The largest women's residence hall is the College Inn, which accommodates 188 students. Features of this residence hall include a pool and private baths. In addition to the larger residence halls, several historic dwellings have been restored and refurbished to accommodate women residents.

For returning students, room assignments are based on class seniority. For new students, room assignments are made on the basis of the date of the payment of the advance room deposit, and the date of return of the signed contract.

Meal plans are optional for resident students.

### **Textbooks**

Textbooks are available from the College Book Store, which is located at the corner of College Promenade and Calhoun Street.

### **The Library**

The Robert Scott Small Library (designed to house over 100,000 volumes initially) combines the resources of a number of private collections donated to the College in its early years, with a steadily growing number of modern books and periodicals. This three level building incorporates the most modern library technology and concepts while keeping the traditional architectural unity of the campus intact. In addition, materials relating to the oceanographical sciences are housed at the George D. Grice Marine Biological Laboratory at Fort Johnson. The contents of all collections, however, are listed in the central catalogue of the Library. Two new wings were completed in 1975 which more than tripled the capacity of the Library (current capacity in excess of 300,000 volumes).

The Library serves as a depository of the United States Government. Publications are regularly received from this source.

More than 1,800 periodicals and journals of learned societies are received annually.

The principal special collection is that of South Caroliniana, containing, in addition to standard works, a large collection of pamphlets, manuscripts, transcripts of other records, and a microfilm collection of N. Y. Times, London Times and Charleston newspapers.

A cooperative lending agreement among Charleston area college libraries has considerably strengthened the library resources of the College. In addition students and faculty members of the College have membership privileges in the Charleston Library Society. The collections of the Library Society are especially important in the fields of history, English, and American literature, and in South Caroliniana. The somewhat more specialized collection of the South Carolina Historical Association, the Charleston Museum, and the Carolina Art Association, are opened to advanced students, as the need arises. Inter-library loans and exchange courtesies are maintained with colleges and universities throughout the country.

The rules of the library are liberal and open stack privileges are observed by students beginning with the freshman year, making possible extensive individual study and research.

### **Fort Johnson**

The College of Charleston operates the George D. Grice Marine Biological Laboratory, named in honor of the fourteenth President of the College, at Fort Johnson on James Island about ten miles by road from the campus. The property has had historic associations for over two centuries. Among the remains of ancient fortifications dating from the Revolutionary War is a brick powder Magazine and from a later period the foundations of a Martello tower. From this site were fired

those opening rounds of the bombardment on Fort Sumter which began the War Between the States.

Those courses related to the Marine Environment in both the undergraduate and graduate program are taught at the laboratory.

Research space is used by the staff, advanced undergraduate students, graduate students, and visiting scientists in Marine Biology. The station maintains a research collection of marine invertebrates and fishes.

In February 1976 a two-story, 17,000 sq. ft. addition to the Griice Laboratory was completed.

In addition to the College of Charleston facilities, the facilities of the Marine Resources Division of the South Carolina Wildlife and Marine Resources Department are available to students, staff, and visitors for study and research purposes.

### **Summer and Evening Sessions**

Summer and Evening Sessions are held at The College, for which separate bulletins are published. For further information contact the Director of the sessions concerned or the Dean of Admissions.

### **Counseling and Placement Services**

Professional testing and counseling services are available for students with vocational or career choice problems, academic and study problems and personal problems.

Job placement for seniors, part time and summer jobs, and placement in volunteer services are also available in the Counseling and Placement Offices.

### **The College of Charleston Foundation**

The College of Charleston Foundation was established to provide support for students, faculty, and activities of the College of Charleston for which State support cannot be provided. The College of Charleston Foundation is designed primarily to support scholarships, faculty enrichment programs as well as the intercollegiate athletic program of the College of Charleston. The College of Charleston Foundation is operated by a separate board of directors. It is an eleemosynary corporation whose purpose as outlined in its by-laws is for the establishment and implementation of a long range program of fund raising to assist in the expansion and improvements of the educational functions of the College of Charleston and to build an endowment fund to be expended annually by the directors for the exclusive benefit of the College of Charleston. The organization and its purposes are similar to those of any charitable eleemosynary corporation, except as limited by its charter.

## THE COLLEGE OF CHARLESTON FOUNDATION

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### Gifts and Bequests

Gifts to the College of Charleston Foundation fully qualify as tax deductible contributions. The College of Charleston Foundation welcomes gifts, immediate or deferred, when made without restrictions as to the use or when designated for any of a broad variety of purposes. Gifts may be of cash, securities, or any kind of real or personal property, depending on the convenience and wishes of the donor. The College officers are prepared to confer at any time to make sure that both the donor's wishes and possible tax advantages are fully realized. Deferred gifts may be made through bequests or insurance as well as through a variety of trust agreements.

All inquiries should be addressed to the President, College of Charleston, Charleston, South Carolina 29401. The gifts and grants for both operational and capital development purposes are designed primarily for the improvement of the facilities and the educational opportunities of the students of the College of Charleston.



## ADMINISTRATIVE REGULATIONS

### Grades , Reports, and Quality Points

The regular session of the College is divided into two semesters of equal length. At the end of each semester the Registrar receives a grade for each of the courses in which a student is enrolled; these grades are reported to the student.

### Grading System

A	Superior	4.00
B+	Very Good	3.50
B	Good	3.00
C+	Fair	2.50
C	Acceptable	2.00
D	Barely Acceptable, Passing	1.00
F	Failure	0

Other grades which may be recorded for a course as the situation warrants, are: I, Incomplete; WP, Withdrawn Passing; WF, Withdrawn Failing; W, Withdrawn; WA, Dropped for excessive absence.

The grade I indicates that only a small portion of the semester's work remains to be done and that the student is otherwise doing satisfactory work in the course. The student is allowed thirty (30) days after the conclusion of the semester in which to remove the incomplete, unless one additional extension of thirty days has been granted by the instructor involved, who must notify the Registrar's Office before the termination of the first thirty day period. In case the work is not completed, the I reverts to an F, Failure.

The grade WP indicates that the student withdrew from the course prior to the last two (2) weeks of classes in the semester while doing satisfactory work. No credit hours are recorded for the grade of WP.

The grade WF indicates that the student withdrew from the course prior to the last two weeks of classes while doing unsatisfactory work. Credit hours are recorded for the grade of WF and are computed in the student's grade-point ratio.

The grade of W is recorded if a student withdraws voluntarily from a course within the first four weeks of a semester. The semester hour value of the course is not included in the computation of semester hours carried for the semester.

A student may not withdraw from a course and receive a grade of W after the first four weeks of the semester except with the special permission of the Dean and instructor. This permission may be

granted only when continued enrollment in the course would be detrimental to the student's health or has been made impossible by circumstances beyond the student's control.

The grade of WA is recorded when a student is withdrawn from a course by the professor for excessive absence. The grade of WA is equivalent to a failing grade since credit hours are recorded for the grade of WA and are computed in the student's grade-point ratio.

The temporary mark of X may be assigned if a student is not present at the final examination. Not a grade, the mark of X is officially converted to a grade of F within 48 hours, unless an excused absence for the missed examination has been granted by the Dean. When an excused absence has been granted, the temporary mark of X is converted to the grade of I.

The credits which a student earns by the satisfactory completion of the work in any course are measured in units called semester hours. A semester hour is the credit granted for work in a course meeting one hour a week throughout the semester. In other words, the number of semester hours for any course is equivalent to the number of hours a week the course meets during one semester. Two (in some instances, three) hours a week of required laboratory work have a credit value of one semester hour.

### **Class Rank**

Advancement to sophomore rank requires a credit of at least twenty semester hours; to junior rank, a credit of at least sixty semester hours; to senior rank, ninety semester hours. No student may advance to junior rank until his major has been registered with the Office of the Registrar.

### **Grade-Point Ratio**

The number of grade points earned for each course is computed by multiplying the semester-hour credit value of the course by the number of grade points assigned to the grade recorded for the course. For example, a grade of B received in a 3 semester-hour course would earn 9.00 grade points (3.00 grade points x 3 semester hours). At the completion of each semester, a grade-point ratio (G.P.R.) is computed for each student. In computing the grade-point ratio for the semester, the total number of grade points earned for the semester is divided by the total number of semester hours of credit carried. The quotient is the grade-point ratio. For example, a student who earns 36 grade points while carrying a course load of 15 semester hours would have a grade-point ratio of 2.40.

### Minimum Scholastic Attainment

Students classified as degree candidates and enrolled in nine or more semester hours must pass nine hours each semester, and must achieve a minimum cumulative Grade Point Ratio according to the following schedule:

Cumulative Hours Successfully Completed	Grade Point Ratio
0-19	.7
20-49	1.0
50-79	1.4
80-99	1.7
100 or more	1.85

If in any semester there is a deficiency, no greater than 6 hours, in the number of hours passed, or in the grade point ratio required for continuation, the student may remain in the College on academic probation for one semester, during which he must make up the deficiency of the semester in which he was last enrolled and achieve the minimum number of hours and the grade point ratio required for the current semester, failing which he will be dismissed from the College for academic deficiency.

Students classified as non-degree candidates or those enrolled in a course program of less than 9 semester hours must achieve a minimum grade point ratio in accordance with the following schedule:

Cumulative Hours Carried	Grade Point Ratio both Cumulative and for each Semester
12-19	0.70
20-49	1.00
50-79	1.40
80-99	1.70
100 or more	1.85

If in any semester there is a deficiency in the grade point ratio required for continuation, the student is placed on academic probation. Academic probation must be satisfied during the next two semesters the student attends the College or during the next seven semester hours attempted, whichever comes first.

Failure to do so will result in dismissal from the College for academic deficiency. All regulations pertaining to dismissal for academic deficiency will apply.

**Academic Probation**

The purpose of academic probation is formally to notify the student that he is not making satisfactory progress. Its conditions are intended to provide an occasion for counselling at an early enough date for counselling to be effective, and to give students whose ultimate success is doubtful further opportunity to demonstrate adequate performance.

Academic probation cannot be granted in consecutive semesters, and a student who has been granted probation twice at the College of Charleston may not be granted further academic probation under any circumstance, including withdrawal or dismissal and subsequent readmission to the College.

Course work taken at any other institution may not be applied to satisfaction of a deficiency under probation.

**Dismissal for Academic Deficiency**

Students who fail to achieve the minimum prescribed scholastic attainment or who fail to satisfy the conditions of a probation are dismissed from the College for academic deficiency. They may apply for readmission only after the lapse of two semesters, the ten-week summer session for this purpose being considered a semester. A student who has twice been dismissed for academic deficiency may apply for readmission only after the lapse of three calendar years from the time of second dismissal. In such cases the candidate must demonstrate to the Committee on Admissions the worthiness of his candidacy for readmission. Thus readmission will depend upon the judgment of the Committee.

When a student is readmitted after having been dismissed twice for academic deficiency, his requisite GPR, for purposes of retention only, will be determined by the total hours earned, but will be computed based on only those courses taken after the second readmission. For purposes of determining eligibility for graduation his GPR will still be computed on the total number of hours taken in his college career.

Credits earned at another institution during the period of ineligibility will not be accepted toward a degree at the College of Charleston.

**Repeating a Course**

Students may retake a course for which credit and quality points have been previously awarded. For the course retaken no credit hours will be awarded or recorded as attempted, and no grade points entered. However, the grade achieved will appear on the student's transcript. In order for a student to retake a course for which he or she has already received a passing grade, he or she must inform the Dean's Office prior to registration.

No permission is needed to retake any course which has previously been failed. The grade achieved in the repeated course and the failing grade are computed in the student's grade point ratio.

### **Dropped Courses**

A student may withdraw from a course after the final day of late registration only with the approval of the Dean. If the student withdraws voluntarily from a course within the first four weeks of a semester, a grade of W is entered on his record, and the semester-hour value of the course is not included in the computation of semester hours carried for the semester. If the student withdraws after this time, the grade of WP or WF is recorded, as reported by the professor. If the grade WF is recorded, the semester-hour value of the course is counted in the computation of semester hours carried and in the determination of the semester grade-point ratio.

A student may not withdraw from a course and receive a grade of W after the first four weeks of the semester except with special permission of the Dean. This permission may be granted only when continued enrollment in the course would be detrimental to the student's health or has been made impossible by circumstances beyond the student's control.

In case of withdrawal from the College after the first four weeks of the semester, grades for the courses affected will be assigned in accordance with the regulations stated above.

All official withdrawals must be processed on the appropriate forms. A student withdrawing completely from the College of Charleston must withdraw through the Counselling Office. A student withdrawing from individual courses must withdraw through the Registrar's Office.

### **Attendance**

Students are expected to attend regularly all classes and laboratory meetings of the courses in which they are enrolled, and will be expected to make up any work missed by reason of absence. Each instructor shall be responsible for announcing and distributing during the first week of class his attendance policy for each course and maintaining a copy of such policy in his file. The decision to drop the student for excessive absences may be made by the faculty member concerned in light of his written policy. The grade of record will be "WA," which is a failing grade.

### **Leave of Absence**

A student may request official leave of absence for a semester or two semesters. Requests stating the reasons for desiring leave should be addressed to the Dean of the College before the semester

of leave begins. When official leave is granted, it will not be necessary for the student to apply for readmission for the semester in which he will return to the College. It will be the obligation of the student to inform the College Registrar of his intention to return no less than two weeks prior to his return.

### **The Honor System**

All examinations at the College are conducted under the Honor System. The code which the Honor System sets up is the simple one of common honesty, and the student has complied with its major requirements when at the end of his examination paper he writes and signs, in good faith, a statement to the effect that he has neither given nor received assistance on the examination. For the system to be fair and effective every student must sign such a pledge.

The Honor System rests upon the confidence which both the faculty and students of the College have in the personal integrity of the individual student. The student's written pledge is accepted as true. Placed thus upon his honor, the student is free during the examination from espionage, unless he has laid himself open to suspicion. Members of the faculty supervise the examination primarily to give such assistance in understanding the examination as the student may legitimately receive from the professor.

Responsibility for maintaining the Honor System, which extends to any matter involving the personal honor of the student, falls in the first instance upon the student body. It is the duty of every student to report to the Student Honor Council any evidence of dishonesty which he may have observed during the examination. The Student Honor Council, in its turn, has the responsibility of investigating any charges preferred by one student against another. The Council is the medium of communication between the student body and the faculty in matters pertaining to the Honor System.

### **Examinations**

Absence from a final examination will be excused by the Dean for illness of the student on the day of the examination, or for circumstances beyond the student's control that prevented his presence at the examination. In the instance of an absence for illness, the student must submit, with his own explanation, a physician's certificate to the Dean. An excused absence will entitle the student to a make-up examination to be held as soon as is convenient. An unexcused absence from a final examination is recorded as a failure in the course for the semester, and the student can obtain credit for the course only by repeating it and achieving a passing grade. Re-examinations are not allowed.

**Extra Courses**

The normal course program for a degree candidate is 14-17 credit hours. Enrollment in courses totalling more than 18 semester credit hours requires that special permission be obtained from the Dean of Undergraduate Instruction during the semester prior to which the overload is to be carried. (This permission is granted only in exceptional cases.)

**Four Year Honors**

Students who achieve a grade point ratio of at least 3.76 will be graduated *Summa Cum Laude*. Students who achieve a grade point ratio of 3.50 to 3.75 will be graduated *Magna Cum Laude*. Students who achieve a grade point ratio of 3.25 to 3.49 will be graduated *Cum Laude*. To be eligible for four-year honors, the students must have done at the College of Charleston at least 90 hours of the work to be applied to the degree.

**Yearly Class Honors**

Class honors are awarded to students who have earned a grade point ratio of 3.6 for the year. To be eligible for yearly class honors the student must have been enrolled in the College of Charleston for a course load of at least fifteen semester hours each semester of the year. Transfer students who enter the College of Charleston for the second semester are consequently ineligible for yearly class honors during that year.

**Faculty Honors List**

At the close of each semester the Office of the Dean publishes the Faculty Honors List. Students are named to this list who were enrolled for a course load of not less than fourteen semester hours and who attained a grade point ratio of 3.6 (Highly Distinguished) or who attained a grade point ratio of 3.25 (Distinguished); in neither case may there be a grade lower than C or an I (Incomplete).

**Conduct**

The traditions of the College require from every student decorous, sober, and upright conduct as long as he remains a member of the College, whether he be within the precincts or not. College regulations are published in the Student Handbook, with specific information concerning the procedures and process of their administration. It is the aim of the College to develop in the individual student the sense of personal responsibility for good order and a high standard of scholarship, and to secure in the largest measure his cooperation with the Faculty in the development of his own character.

## STUDENT ACTIVITIES

Life at the College provides many opportunities for the student to develop his interest or talents outside his regular course of study. Students have the opportunity to participate in dramatics, music, debate and discussion, creative writing, student government, athletics, and a number of special interests clubs and organizations. The student body indicates, by vote, the activities to which financial support will be given, specifying the amount to be allocated from the student activities fund. Fraternities, sororities, departmental clubs, service and religious organizations, each selecting its membership, are self-sustaining. Members of the faculty act as advisers to various groups; the programs, however, originate with the students and in general are not subject to faculty direction. The Finance Committee of the Student Government Association recommends to the Administration funds to be apportioned to various student organizations through the student activities fund and a Director of Student Activities works to coordinate the activities of the organizations in addition to providing professional assistance to individual groups.

The Theodore S. Stern Center opened in the spring of 1975 and is the center for student activities on the campus. Facilities include an olympic-sized pool, a ballroom, TV and audio lounges, a game room with billiards, ping pong and card tables, meeting rooms, bowling lanes, rathskeller, campus store, a complete snack facility, lockers for commuting students, post office, Student Government offices, and many other multipurpose rooms. The Student Center Board of Governors is the coordinating and policy body responsible for a wide range of programs offered through the Center.

Each student who enrolls at the College automatically becomes a member of the Student Government Association. The organization is based on mutual cooperation between students, faculty, and administration. The Student Government Association is made up of a Legislative Council in which elected class representatives participate, an executive board composed of student body officers, and a judicial branch. The Student Government promotes activities on campus, lobbies on behalf of the student body, and cooperates in building a better College.

The Student Government Association in conjunction with the administration is responsible for the establishment of the Judicial System of the College of Charleston which provides the basis for due process, a fair hearing, and equal treatment for all students accused of conduct that violates the College Regulations as set forth in the Student Handbook. The Judicial Board is composed of faculty, students, and administration and handles all infractions of College regu-



lations. Enrollment at the College of Charleston constitutes acceptance of and agreement to all regulations of the College.

Three student publications are edited and managed by the students. *The Comet* is the students' yearbook; it has appeared since 1912. *The Meteor* is the student newspaper, and the *Phoenix* is the College's literary magazine.

The Entertainment Committee is a body regulated and governed by the Student Government Association. It is composed of appointed representatives and is headed by the Entertainment Committee chairman, an elected student body officer. The Committee provides movies and other entertainment for the student body.

The oldest of the active literary societies at the College is the Chrestomathic, founded in 1848. Meetings are devoted to informal discussions of current topics or to the study of modern literature. Creative writing and the stimulation of student interest in the production of contributions to the College's publications are other activities of the society.

The Natural History Society originated in the early 1900's. The group meets at least monthly, having guest speakers from the area, and makes field trips a part of their regular program. Membership is open to all interested students.

Omicron Delta Kappa is an honorary leadership fraternity of students, recruiting its members from among those who have displayed high leadership ability in one or more phases of College life—scholarship, athletics, campus and social leadership. New members are selected annually by the chapter. An academic average of B is required.

The Circle K Club, sponsored by the Charleston Kiwanis Club, is a service organization composed of students who maintain a satisfactory scholastic record. A leadership organization, Circle K has as its prime objective the building of character through serving the student body and the College community.

Juniors and seniors who lead their classes in scholarship and ability in student activities become eligible for election to Sigma Alpha Phi, the College honor society. Elections are held in the spring and only those who have met the most exacting requirements, under the high standards of the society, are invited to become members.

The Young Democrats and the College Republicans are organizations devoted to involvement in politics. Membership is open to interested students.

The Sailing, Scuba, and Equestrian Clubs are open to all members of the student body, with instruction provided to novices by each club.

The several denominational groups are composed of men and women students who find a community of interest in the churches of which they are members. Almost all of these societies are affiliates with a regional or national organization of the same name, and each makes a contribution to the spiritual welfare of its members.

Thirteen fraternities and sororities, primarily social in purpose while maintaining high ideals in scholarship, are active on the College of Charleston campus. The fraternities are Alpha Tau Omega, Kappa Sigma, Pi Kappa Phi, Kappa Alpha Psi, Kappa Alpha, Sigma Nu and colonies of Alpha Phi Alpha and Omega Psi Phi. The sororities are Chi Omega, Delta Delta Delta, Phi Mu, Zeta Tau Alpha, Delta Sigma Theta, and Alpha Kappa Alpha. Local government of the fraternities and sororities are effected, respectively, by the Men's Interfraternity Council and the Women's Panhellenic Council.

Other special interest groups such as the Afro-American Society, the Chess Club, the Meditation Society, the Debate Club, the Drama Club, the Ski Club, and the Business-Economic Club are active on campus and are open to all interested students.

### *Prizes*

High scholarship and exceptional achievement in extracurricular activities are traditionally important at the College. Prizes which symbolize such achievements are equally a part of the College tradition. Announcement of the recipients of cups, medals, and other awards is made each year.

The Presidential Scholarships are awarded to the two rising sophomores, juniors, and seniors who, at the end of the academic year, have the highest grade point averages in their class, unless the recipient is the holder of a Foundation Scholarship.

The *Junior Medal*, a gift of the Alumni Association, is held in high regard. The recipient is a junior who has maintained, over the three-year period of his work at the College, the highest scholastic average in his class.

Two prizes are awarded annually for outstanding work in American history. The *William Moultrie Cup*, presented by the Rebecca Motte Chapter, D.A.R., gives recognition for excellence in the advanced courses of American history. The *American History Prize* is the gift of the American Federation of Women's Clubs to the woman student who has achieved highest honors in the general course of American history.

The *Edward E. Towell Chemistry Prize* is awarded annually to the student who achieves the highest grade in organic chemistry.

The *Edward Emerson Towell Scientific Award*, established by an alumnus of the College, is a monetary award made to the graduate

who, as a major in one of the natural sciences, or as a pre-medical student, has demonstrated outstanding achievement in his science courses and who shows greatest promise of future growth and development in his chosen scientific career. The recipient is determined by the joint decision of the faculties of the Biology, Chemistry, Geology, and Physics Departments of the College.

The *Bingham Medal for Oratory*, established by the late Robert W. Bingham of Louisville, Kentucky, and continued by his son, Barry Bingham, Esq., is awarded to the author of the best speech in the College oratorical contest, which is held in March of each year.

The *Graeser Memorial Fund*, established by the Alumni Association in 1954 in honor of the late Clarence A. Graeser, Professor of Modern Languages of the College, provides an annual cash award to the student of the graduating class who, in the opinion of the modern language teachers at the College, deserves special recognition for work done in any one of the modern languages during a period of not less than three years.

The *C. Norwood Hastie Award* established by the late C. Norwood Hastie, is a monetary award made annually to the student of the senior class who has shown the most tact, consideration, and courtesy to his fellow students and who has made the most unselfish contribution to the student body and to the College of Charleston. The recipient is selected by the senior class.

The *Alexander Chambliss Connelley Award*, established by the late Alexander Chambliss Connelley, is a cash award made annually to the student of the senior class selected by the class as having made the most unselfish contribution to the student body and to the College of Charleston.

The *Wall Street Journal Student Achievement Award* is presented annually to an outstanding senior student in the Department of Business Administration and Economics.

The *Willard Augustus Silcox Award* is presented annually in honor of Willard Augustus Silcox, class of 1933, to the student who has distinguished himself or herself both academically and in athletics.

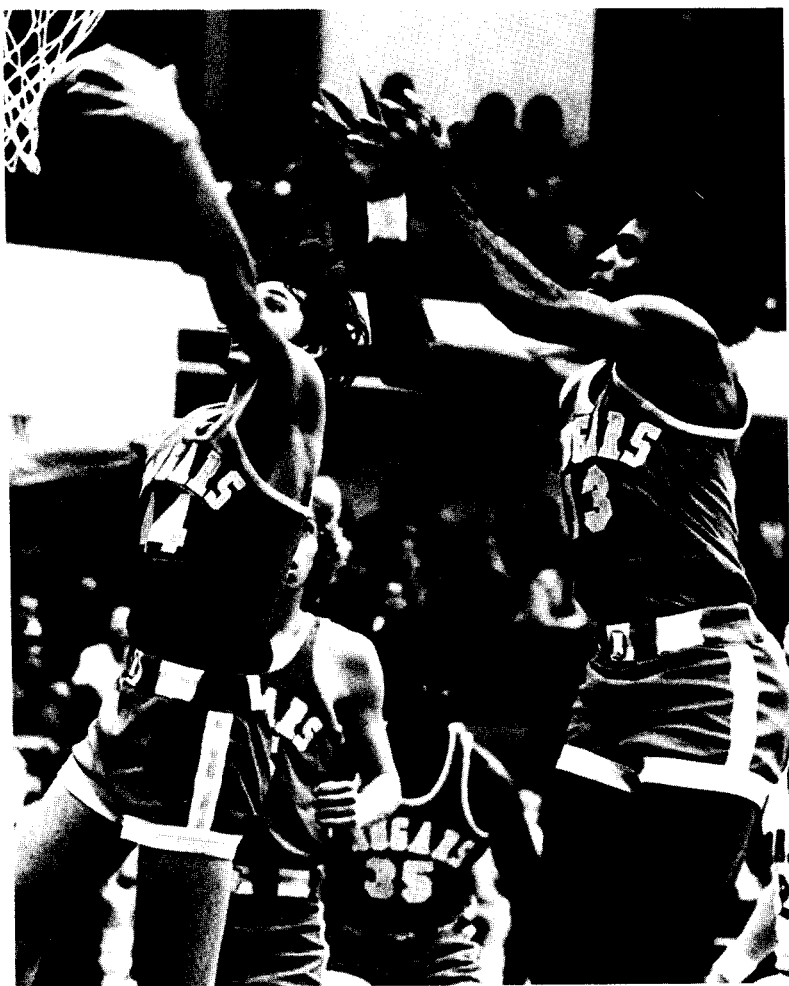
The *Bishop Robert Smith Award* is presented annually to a graduating senior and is the highest honor a student can receive during his career at the College of Charleston. The recipients are chosen on the basis of demonstrated leadership and academic excellence and the number of awards may not exceed three. Each recipient of the award receives a \$250 check from the College of Charleston Foundation and a framed certificate bearing Bishop Robert Smith's portrait.

**ATHLETICS**

The College of Charleston is a member of The National Association of Intercollegiate Athletics. Intercollegiate varsity teams compete in basketball, golf, sailing, tennis, wrestling, and soccer.

Athletic grants-in-aid are offered in basketball, golf, tennis, and soccer. In women's athletics grants-in-aid are offered in basketball, tennis, and volleyball.

The College encourages broad participation on the part of the student body.



**Intramural Program**

The aim of the College's intramural program is to reach every member of the student body. Sports offered have included badminton, basketball, bowling, cross country, free throw, softball, surfing, swimming, golf, table tennis, tennis, track, and volleyball. Various levels of competition are available in some sports depending upon the student's ability. Students compete in intramural athletics at the class level and among dorm and day students, as well as among the Greek organizations and independents.

**Sports Club**

The sports club program gives the student an opportunity to participate in a particular activity or sport. Clubs which were formed during 1974-1975 academic year include boxing, swimming, scuba, and riding.

Information concerning the complete intramural program can be obtained by contacting the Director of Sports Clubs.

**Facilities**

The Athletic Center is situated at the corner of Meeting and George Streets. The main floor, with a seating capacity of 2,000, is used for basketball, volleyball, badminton, table tennis, and gymnastics. Stage facilities make possible the use of the center as an auditorium. An auxiliary gymnasium on the premises provides additional space with mats, rib stall bars, and weights. Locker rooms for men and women are situated on the ground floor of the main building. The George Street Annex provides facilities for swimming, handball, indoor track, weight lifting, and wrestling.

## THE ALUMNI ASSOCIATION

As early as 1834 an organization of alumni of the College, known as the Society of Graduates, was in existence.

While little is known of the group's activities, a more definite organization, bearing the name of the Society of the Alumni of the College of Charleston, appeared in 1847 and continued for about twenty-five years.

The present Association has been in continuous operation since its inception on June 13, 1888. "To manifest interest in, and promote the welfare of the College of Charleston", as expressed in the Association's Constitution and By-Laws, is the purpose of the Alumni Association.

To accomplish this purpose, the Alumni Association engages in the following: assists in the publication of the Newsletter; promotes alumni meetings in other areas; conducts an annual foreign tour; contributes \$5,000 annually in financial aid to needy students; conducts a candlelight tour of Charleston homes each spring; entertains annually for the senior class, for past presidents of the Association, for college students who are relatives of alumni, for dormitory students during examinations, and for the "Old Timers" (alumni whose classes graduated 45 or more years ago); grants the Alumni Medal, the Graeser Memorial Award, and the Harrison Randolph Award.

Active membership in the Association now exceeds 1,600.

The regular meeting of the Alumni Association is held in May. Formal business of the organization, including the election of officers, is transacted at this session. The meeting also provides the occasion for class reunions and for the induction of the new graduating class into the Association. An annual reception follows the meeting.

Considerable interest has been shown in holding class reunions. Any class interested in a reunion should contact the Vice President for Alumni and College Relations well in advance of the date desired for a reunion.

Between meetings, the Alumni Association operates actively through its Executive Committee and the Vice President for Alumni and College Relations. These administrators act as historiographers, collecting and recording the names, addresses, and occupations of all members of the organization. The Executive Committee holds at least eight regular meetings throughout the year.

Alumni Affairs correspondence should be addressed to the Secretary, the Director of Alumni Relations or to the Vice President for Alumni and College Relations. The corporate name of the association is the College of Charleston Alumni Association, Inc. and all money contributed to the Association is tax deductible.

## COMMITTEE FOR ALUMNI ASSISTANCE

The Committee for Alumni Assistance consists of alumni residing throughout the United States who assist the Faculty Committee on Admissions by their willingness to be available to any persons interested in obtaining information about the College of Charleston. Upon request the name of an alumnus living nearby will be forwarded by the Office of Alumni Relations, College of Charleston, Charleston, S. C. 29401.

## OFFICERS OF THE ASSOCIATION, 1975-76

President .....	Robert C. Heffron, Jr., '67
President Elect .....	Gordan B. Stine, '44
Past President .....	Willard A. Silcox, '33
Vice President .....	Milward Deas Pinckney, '51
Vice President .....	J. Kenneth Rentiers, '49
Secretary/Treasurer .....	Anthony J. Meyer, '49

EXECUTIVE COMMITTEE: The President, President Elect, Vice Presidents, Secretary/Treasurer, and ex officio, immediate Past President, Vice President for Alumni Relations, Director of Alumni Relations and the following Committeemen:

James P. Anderson, '55  
 Ferdinand Buckley, '47  
 (Atlanta Area)  
 Marion S. Fowler, '61  
 (Pee Dee Area)  
 David C. Humphreys, '40  
 Lynne Mohrmann King, '67  
 Willard J. Oldmixon, '59  
 (Washington Area)  
 Carol Boyd Regan, '63

Louis J. Roempke, '56  
 (Beaufort Area)  
 Gerald Runey, '60  
 Anne Thorne Schachte, '40  
 Inga Svendsen Smith, '50  
 Anne Bellinger Villeponteaux, '70  
 Marlene Siegmann Watts, '63  
 John W. Zemp, '53

## DEGREES CONFERRED

May, 1975

## BACHELOR OF ARTS

Katherine Heckerman Adams	Marilyn Ann Jones
William Edward Anderson	Stephen Tyrone Jones
Miriam Eleazer Baker	Gretchen Kossler
Steven Lewis Baker	Thomas Lucht
Randi L. Barenholtz	William Parker Luhn, Jr.
William R. Beach	Elizabeth Winters Lynch
Kathleen Sharon Bennett	Carol Joy Mackey
Linda Smith Blanc	Keith Anthony Major
Gaele Gillespie Blosser	Jennie Elizabeth McMahan
Robert Cunningham Bonner	Dwana Denise Meisenhelder
Steven Wayne Burnett	Krista Lee Middlebrook
Glenda Faye Byars	Susan Elizabeth Nesmith
Joseph Francis Cahill	Edward Joseph Nolen
Sheila Kay Calvert	Louis Mark Palamara, Jr.
Pamela Barrineau Cantey	Michael Edward Peebles
Sandra Peckham Clark	<i>Second Honor Graduate</i>
Linda McKinney Classen	Nancy Witherspoon Pinckney
Ann Stone Cleveland	Andrew Anthony Pinto
John L. Coley	Linda Audette Poland
Deborah Lynn Combs	John Padgett Powell, Jr.
Elliott Hamilton Cone, Jr.	Marcia Gillian Rey
Loris Baumgarner Crocker	Rosetta Everna Ross
Lillian Frances Frazier DeGuire	Gene Raymond Rowell
Sarah Anne Hughes Doscher	Lynne Welborne Rowell
Carol Drumm	Louise Rownd
Margaret Sue Farmer	John Joseph Sirigos
Millicent B. Felder	Texas Teague Smith
Louise Burnett Felker	Mary Ellen Stieglitz, <i>Honors</i>
Fiona Margaret Funderburg	William Tupper Stone, <i>Honors</i>
Kurt Allan Geib	Beverly Wilson Sumner
Lindy Sue Glasgow	Trudy Taul
Jack Wendel Griffith, Jr.	Allen Wayne Taylor
Kenneth Steven Gustafson	Charles Knox Thomas
Anthony Hart Harrigan, III	John Henry Tiencken, Jr.
Claude David Hiott, Jr.	Pamela Hill Tiencken
Michael Milhous Hollings	Deborah Palassis Trego
Charles Clay Holseberg	Michael Baker Van Landingham, <i>Honors</i>
Evan Leo Hyde	Melanie Charlene Walker
Marsha Baize Jenkins	Joseph Raleigh West, Jr.
Jennifer G. Johnson	Katherine Frances Powers Whiddon
Ruth Ann Johnson	David Allen Whittaker, Jr.
Elizabeth Gail Jones	Jane McCrady Yates



## BACHELORS OF SCIENCE

John Vance Allred	Barbara Douglass Hall
Mark Edward Anderson	Tommy Elliott Hall
Ruth Bair Ashcraft	Charles Howard Halsey
Cynthia Lee Cornelia Bazzle	Joanne Elizabeth Harrison, <i>Honors</i>
Cecil David Beard	Sandra Louise Holling
Marie Catherine Josephine Anne Kelin Lee Bethea	Robert John Holt
James Francis Blyth	Charlyne Nell Hudson
Marguerite Ann Bohne	Susan Kay Infinger
Sarah Russell Bonge	Edward Drummond Izard
Donald Louis Boswell	Johnny Wayne Jackson
James Taylor Boyle, Jr.	Patricia Lee Janelle
Bruce A. Bracken	Richard William Jantzen, Jr.
Reid Archie Broadway, Jr.	Cynthia Gaye Johnson
Barbara Ann Brown	Julise Marie Johnson
Robert William Brown	Lynda Gayle Johnson, <i>Honors</i>
Suzanne Murphy Bryan	Michael Allan Johnson
Carol A. Burnitt	<i>First Honor Graduate</i>
Karin Margaret Burnitt	Teresa Claudia Jones
Michael Lee Burns	Lewis Timothy Jordan
Richard Hart Cheatham	David Neil Kennedy
Katherine Dunbar Clark	James Dexter Lathan
Michael Arnold Coffman	Valerie Henderson Laurens
John William Cordray, Jr.	Beth Bennett Livingston, <i>Honors</i>
James Richard Cormany	John Mochrie MacDougal
Rutledge Eugene Cox, Jr.	Martha Davis MacEachern
Vicki McDowell Crow	James B. Malone, Jr.
Cecelia Gordon Cunningham	Michael Mario Martin
Loretta Cherry Daniel	Elizabeth DeSaussure McElveen, <i>Honors</i>
Donald Wellford Davis	Susan Marie McFadden
Jane Elizabeth Doar	Betty M. McKelvey
James Hugh Donnan	Margaret Cecelia McManus
Patricia Anne Drew	Littlejohn Clayton McSwain
Carolyn Coombs Dudley	Daniel Emmitt Mikell
Walter Livingston Ehrhardt	Wesley David Mitchum
Laurie Ann Farias	Martha Lucas Montgomery
Joseph Harry Floyd, Jr.	Ruth A. Moyer
Margaret Ballantyne Freeman	Daniel O'Neal Murray, III
Robert Erick Frohking	Basil Glendon Nason, Jr.
David Palmer Fuller, <i>Honors</i>	Eleanor Clark Nelson
Celia Sherylin Gadsden	Marcia Elizabeth Newcomer, <i>Honors</i>
John DeWayne Gaskins	D'Metria Bernadette Noisette
Fredrick Lloyd Goldfeder	Samuel Kossie Parrish, Jr., <i>Honors</i>
Frederica Margaret Golding	Kathleen M. Patee
Thomas E. Grimes	Theresa Dean Patterson
Richard Allen Haddad	Gregory Lange Phelps
	Henry Frampton Phillips

*BACHELOR OF SCIENCE*

Lawrence William Pigg	Paula Sharon Smoak
William Elliott Plyler, Jr., <i>Honors</i>	Norma Jean Sox
Judith L. Profit	Gaffney Stewart
Ruby Mae Randall	Carol Anne Story
Phyllis King Rauton	Deborah Marie Stratos
Michael C. Raymondo	Robert Ernest Sumner, III
Stephen Craig Reed	Karen Jenkins Syfrett
James Howard Reynolds	Pauline Trott Tebbs
Beth Tyson Rhame	Richard Charles Terhune
Pearl Rivers	Leigh Dozier Terrell
Emily Worthington Rollins	Richard Martin Thomas
Dowse Bradwell Rustin, III	William L. Thomas
Valerie Jean Ryan	Ted Stanley Tokarczyk
David William Sadler	Deborah Pauline Toporek
Melissa Anne Sandstrom	James Claude Vaughan, Jr.
George Cox Scarborough	Mary Ann Waite
David John Schlachter	Gayle Shipp Walters
Walter Gordon Scott, Jr.	Karen Conlon Westendorff
Ronald Kyin Sheppard	Stephen William Whelan, Jr.
Lynard Simmons	Hala Warren Wilson
Larry Wayne Simpson	Luther Marston Yon
Bernard Singleton	Thomas Edison Yon, Sr.
William W. Smith, Jr.	Trudy Ellen Du Puis Zobel

*MASTERS OF EDUCATION*

Annette Price Gardner	Margaret L. Franklin
Clara S. Heinsohn	Olivia Hiers Padgett
Margaret Dukes High	S. Jean Shelley
Judy Carol Jackson	Gwenda Elaine Smith
Stephen Allen Carruthers	Judith Smith Stinson
Faye H. Davis	Robert McLean Wickersham
Sarah Fore Foxworth	

*The Alumni Medal*

Wendy Rebecca Duncan

*The Federation of Women's Clubs*

Elizabeth Lamis Lawandales

*The William Moultrie American History Cup*

Rebecca Motte Chapter, D.A.R.

Pamela Barrineau Cantey

*The Graeser Memorial Award*

Gretchen Kossler

*The C. Norwood Hastie Award*

Gregory Lange Phelps

*The Alexander Chambliss Connelley Award*

Frederica Margaret Golding

*The Willard Augustus Silcox Award*

William Tupper Stone

*The Edward E. Towell**Organic Chemistry Award*

Gregory Alan Brewer

*The Katherine Walsh Award**In English*

Mary Ellen Stieglitz

*The Alva D. Stern Award*

Kenneth J. Gustafson

*The Bishop Robert Smith Award*

Gretchen Kossler, Gregory L. Phelps, William T. Stone

## HONORS

*Senior Class*

Michael Thomas Bailey

Linda Smith Blanc

Carol Drumm

William Tupper Stone

Alan Wayne Taylor

## DEGREES CONFERRED

December, 1975

## BACHELOR OF ARTS

John Eldridge Archambault

Martha Thompson Bean

Mildred Amanda Bowen

Edward L. Bullard, Jr.

William David Chamberlain

Louise Connor

Thomas J. Durham

Frederick Benjamin Ergle

Ann Elizabeth Flowers

Jonathan Thomas Hall

Julia Ann Harman

Patricia Litchey Howe

Mary Lynn Ipock

Stanley Bernard Jones

Sheila Susan Kaplan

Yoram Kolerstein

Sandra Gilliland Kraschal

Elizabeth Lamis Lawandales

Lois Smothers McLean

Thomas Colen Mason, Jr.

Gayle B. Matthews

Eugene Paul Merkel

Janet Suzanne Miler

George McFarlane Mood, III

Sandra Susan Pell

Nancy Hamilton Sexton

Clifford LeRoy Simmons

Paul Bryan Smith

Lucinda Lee Stephenson

Laura Lynn Voegelé

Jerald J. Williford

Larry Charles Zobel

*BACHELOR OF ARTS*

Bruce Randal Allen	Georgia M. Lane
Michael Thomas Bailey	Ted W. Lazicki
Ray Elliott Baker	Martha Block Lurie
Wallace Clinton Baxter, Jr.	Kenneth Robert McGrory
Mary Ellen Woodside Beach	Delores Thrift McKeivin
Mary Elizabeth Belden	Robert John McNeill
Susan Barksdale Benton	Donald Duncan McPherson
Harry W. Blackmon, Jr.	Betsy Virginia Manning
Thomas Hugo Boyer	David Warren Mauldin
Lawrence Keith Bradham, Jr.	Linda Anne Monroe
Judy Linn Davis Bradish	Annette Louise Thomas Moore
Deborah Ann Moore Brigman	Norman Keith Morgan
Susan F. Bullard	Areta Jean Morrison
Thomas Lee Burner	Terrell Reynolds Motley
William E. Castengera	M. Anthony Mouzon
Gwinnette Ann Chetwood	George Gene Niemeyer
Lynda Ann Chitwood	Claire K. Nussbaum
Deborah Lupton Conrad	Nan Marie Camacho O'Day
Daniel John Crooks	Kathy Elaine Ogburn
James Gerard Cullen	Michael David O'Shaughnessy
Norma Gail Davis	Jo-Ann Ouazzani
Margaret Glanville Dillard	William Robert Payn
William Charles Donaldson	Jeanne Pruitt
Fred M. Downs, Jr.	Janet Martin Putney
Michael Alan Edeburn	Anne McLeod Reese
E. Douglas Etheridge	Billie Eugenia Risinger
John England Ferrara	Paula Eileen Ryan
Horace Fletcher, IV	Jacqueline Louise Scott
Gloria Blalock Flinger	Lynda Reese Sentell
Robert Samuel Franks	Ann Elizabeth Edgerton Shaw
Harris Livingston Goodman	Jeanne Campbell Sink
Linda Sue Graham	Hartley Gordon Smith, III
Kay Hackney Grant	Pamela Karen Smith
Linda Dianne Guerry	Cynthia Ann Strickland
Richard C. Hale	Lucretia Anne Sullivan
Diane K. Hamburg	Marlon Dale Taylor
Joyce Morgan Hardin	Susan Shepherd Taylor
Patricia Joyce Hardwick	Carmen Jutta Helena Uricchio
Leila Jackson Hoover	Jean Hamilton Varn
Catherine Louise Hudson	Sarah Schumann Waddill
Rosemary Richardson Hunt	Thomas Wimberly Watson
Lillie Mae Pinckney James	Joseph H. Wentzky, Jr.
Benjamin Acue Walker Joye	Alton L. Westberry
John Joseph Kennedy	Elizabeth Cofer Whitaker
John Michael Kilpatrick	

*BACHELOR OF SCIENCE  
WITH DENTISTRY*

James Ronald Decker

Robert Sowell Hegler

*MASTER OF EDUCATION*

Mildred Ann Maruschak Brown  
Mary L. Bush  
Laurie Keller Carr  
Mary Katherine Dawsey  
Andrea Hofford  
Helen Iredell Jones  
Nancy Simonin Kizer  
Florence B. McCutcheon  
Jerri Hawkins Moore  
Mrs. Bennie Harvey Ordell  
Cissy Jane Parades

Shirley A. Powell  
Rosalind Ramona Reinhardt  
Shirley Hubbard Seay  
Dianne Singleton Smith  
Colman D. Stone  
Eugenia Pope Tyson  
Rebecca Crittenden Trifiletti  
Mildred W. Ulmer  
Sarah Ann Winbery  
Carletta Pyoas Wright

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