

# **College of Charleston**

## **Bulletin**

**1974 - 1975**

Founded in 1770

College of Charleston  
Charleston, South Carolina

# 1974 CALENDAR 1975

## 1974

<p style="text-align: center;">JANUARY</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p style="text-align: center;">FEBRUARY</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28</p>	<p style="text-align: center;">MARCH</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>
<p style="text-align: center;">APRIL</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p>	<p style="text-align: center;">MAY</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p style="text-align: center;">JUNE</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p>
<p style="text-align: center;">JULY</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p style="text-align: center;">AUGUST</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p style="text-align: center;">SEPTEMBER</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p>
<p style="text-align: center;">OCTOBER</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p style="text-align: center;">NOVEMBER</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p>	<p style="text-align: center;">DECEMBER</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>

## 1975

<p style="text-align: center;">JANUARY</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p style="text-align: center;">FEBRUARY</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28</p>	<p style="text-align: center;">MARCH</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>
<p style="text-align: center;">APRIL</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p>	<p style="text-align: center;">MAY</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p style="text-align: center;">JUNE</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p>
<p style="text-align: center;">JULY</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p style="text-align: center;">AUGUST</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p style="text-align: center;">SEPTEMBER</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p>
<p style="text-align: center;">OCTOBER</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p style="text-align: center;">NOVEMBER</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p>	<p style="text-align: center;">DECEMBER</p> <p style="text-align: center;">1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>

## TABLE OF CONTENTS

Information Directory . . . . .	4
College Calendar . . . . .	5
Presidents of The College of Charleston, 1790-1973 . . . . .	8
The College of Charleston, 1770-1974 . . . . .	10
Board of Trustees . . . . .	14
Administration . . . . .	16
Faculty . . . . .	18
Admission . . . . .	26
Admissions Policy . . . . .	30
Fees and Expenses . . . . .	33
Scholarship and Loan Funds . . . . .	36
Requirements for Degrees . . . . .	41
Courses of Instruction . . . . .	52
General Information . . . . .	119
Administrative Regulations . . . . .	124
Student Activities . . . . .	132
Athletics . . . . .	136
Alumni Association . . . . .	138
Committee for Alumni Assistance . . . . .	139
Degrees Conferred . . . . .	140
Index . . . . .	144



## 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.

*Academic Matters*

THE DEAN OF THE COLLEGE

*Alumni Affairs*

THE VICE-PRESIDENT FOR ALUMNI  
AND COLLEGE RELATIONS

*Applications for Admission*

THE DEAN OF ADMISSIONS

*Financial Matters*

THE VICE-PRESIDENT FOR BUSINESS AFFAIRS

*Gifts and Bequests*

THE PRESIDENT OF THE COLLEGE

*Payment of College Bills*

THE BURSAR

*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

**COLLEGE OF CHARLESTON  
CALENDAR FOR 1974-75**

**1974**

**AUGUST**

- 27, Tuesday      Dormitories open at 9:00 a.m.  
New Student Orientation Begins
- 29, Thursday     Registration for First Semester
- 30, Friday        Registration for First Semester

**SEPTEMBER**

- 2, Monday        Labor Day – Holiday
- 3, Tuesday        Classes Begin
- 6, Friday         Last Day for Changing Classes  
Last Day for Late Registration  
No Student Admitted to the First  
Semester after this Date
- 27, Friday        Last Day to DROP a Course With  
Grade of "W"

**OCTOBER**

- 11, Friday        Midterm Advisory Grades Submitted  
to Registrar
- 14, Monday       Last Day to Order Diploma for  
May Graduation

**NOVEMBER**

- 27, Wednesday   Last Day to DROP a Course With  
Grades of "WP" or "WF"
- 28, Thursday     Thanksgiving Recess – No Classes
- 29, Friday        Thanksgiving Recess – No Classes

**DECEMBER**

- 6, Friday         Last Day of First Semester Classes
- 10, Tuesday      First Semester Examinations Begin
- 18, Wednesday   First Semester Examinations End  
End of First Semester

**1975**

**JANUARY**

- 8, Wednesday    Opening of Second Semester  
Registration for Second Semester
- 9, Thursday     Registration for Second Semester
- 13, Monday      Classes Begin
- 17, Friday       Last Day for Changing Classes  
Last Day for Late Registration  
No Student Admitted to the Second  
Semester After This Date

**FEBRUARY**

- 7, Friday        Last Day to DROP a Course With  
Grade of "W"
- 28, Friday      Midterm Advisory Grades Submitted  
to Registrar

**MARCH**

- 7, Friday        Spring Recess Begins at 5:30 P.M.
- 17, Monday     End of Spring Recess  
Classes Resume
- 19, Wednesday  Founders Day
- 28, Friday      Good Friday – Holiday

**APRIL**

- 11, Friday      Last Day to DROP a Course  
With Grades of "WP" or "WF"
- 14, Monday     Last Day to Order Diploma for  
Summer or December Graduation
- 25, Friday      Last Day of Second Semester Classes
- 29, Tuesday    Second Semester Examinations Begin

**MAY**

- 7, Wednesday   Second Semester Examinations End  
End of Spring Semester
- 13, Tuesday     Commencement—Graduation Exercises

**JUNE**

- 2, Monday Beginning of First Summer Term
- 11, Wednesday Last Day to DROP a Course with Grade of "W"
- 25, Wednesday Last Day to DROP a Course with Grades of "WP" or "WF"

**JULY**

- 2, Wednesday Final Examinations. First Summer Term
- 3, Thursday Final Examinations. First Summer Term  
End of First Summer Term
- 7, Monday Beginning of Second Summer Term
- 16, Wednesday Last Day to DROP a Course with Grade of "W"
- 31, Thursday Last Day to DROP a Course with Grades of "WP" or "WF"

**AUGUST**

- 7, Thursday Final Examinations Second Summer Term
- 8, Friday Final Examinations Second Summer Term  
End of Second Summer Term

**PRESIDENTS OF THE  
COLLEGE OF CHARLESTON  
1790-1971**

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 1770-1974

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 Pinckney, authoress; Congressman L. Mendel Rivers, Chairman of the Armed Services Committee; Herbert Ravenel Sass, author; and Paul Ehrman Scherer, prominent theologian.

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. 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 The Student Service Center will be in operation in 1974. Renovation and restoration of the existing physical plant is in progress.

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.

## 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

F. Mitchell Johnson, Chairman

Fitz-John C. McMaster, Vice Chairman

John M. Trask, Jr., Secretary

#### *Term Expiring June 30, 1975*

J. I. Washington, III	Orangeburg, S. C.	1st Judicial Circuit
Richard P. Moses	Sumter, S. C.	3rd Judicial Circuit
Joe E. Berry, Jr.	Columbia, S. C.	5th Judicial Circuit
Ellen Carter Watson	Spartanburg, S. C.	7th Judicial Circuit
F. Mitchell Johnson	Charleston, S. C.	9th Judicial Circuit
John Kermit Addy	Lexington, S. C.	11th Judicial Circuit
John E. Johnston, Jr.	Greenville, S. C.	13th Judicial Circuit
D. Walter Green, Jr.	Conway, S. C.	15th Judicial Circuit

#### *Term Expiring June 30, 1977*

C. Calhoun Leon	Barnwell, S. C.	2nd Judicial Circuit
Allard A. Allston	Darlington, S. C.	4th Judicial Circuit
Fitz-John Creighton McMaster	Winnsboro, S. C.	6th Judicial Circuit
Caroline Beaver	Greenwood, S. C.	8th Judicial Circuit
Sara V. Liverance	Anderson, S. C.	10th Judicial Circuit
James A. Rogers	Florence, S. C.	12th Judicial Circuit
John M. Trask, Jr.	Beaufort, S. C.	14th Judicial Circuit
Eleanora R. Richardson	Union, S. C.	16th Judicial Circuit



The State College Board of Trustees

## EXECUTIVE OFFICERS OF THE ADMINISTRATION

Theodore S. Stern  
*President*

C. Hilburn Womble  
*Vice President for Academic Affairs and Dean of the College*

William L. Brinkley, Jr.  
*Vice President for Student Affairs*

Vernon G. Rivers  
*Vice President for Institutional Research*

Willard A. Silcox  
*Vice President for Alumni and College Relations*

J. Floyd Tyler  
*Vice President for Business Affairs*

## ADMINISTRATIVE OFFICERS

### PRESIDENT'S OFFICE

Theodore S. Stern . . . . . *President*  
C. Richard Crosby . . . . . *Director of Computer Operations*  
Thomas Hamby . . . . . *Executive Assistant*  
Alan LeForce . . . . . *Director of Athletics*  
Jerry J. Nuss . . . . . *Director of Administrative Services*  
J. Gregory Prior . . . . . *Foundation Manager*  
Lucille Whipper . . . . . *Assistant to the President*

### ACADEMIC AFFAIRS

C. Hilburn Womble . . . . . *Vice President for Academic Affairs  
and Dean of the College*  
Richard C. Crosby . . . . . *Dean of Graduate Instruction*  
Eugene D. Foxworth, Jr. . . . . *Director of Academic Planning  
and Program Funding*  
George E. Haborak . . . . . *Assistant Dean of the College*  
Ellis Hodgkin . . . . . *Librarian*  
Sallie T. Hydrick . . . . . *Registrar*  
Norman L. Olsen . . . . . *Director, Summer Session*  
Thomas A. Palmer . . . . . *Director, Evening School*

### STUDENT AFFAIRS

William L. Brinkley, Jr. . . . . *Vice President for Student Affairs*



Frederick W. Daniels . . . . . *Dean of Admissions*  
Fleetwood J. Albrecht . . . . . *Director of Financial Assistance*  
Allie Betts Brown . . . . . *Assistant in Admissions*  
Boyce V. Cox, Jr. . . . . *Dean of Students*  
Ellenor M. Mahon . . . . . *Director of Counseling*  
Derk B. K. Van Raalte, III . . . . . *Placement Counselor*

### ALUMNI AND COLLEGE RELATIONS

Willard A. Silcox . . . . . *Vice President for Alumni  
and College Relations*  
Anthony J. Meyer . . . . . *Director of College Relations*

### BUSINESS AFFAIRS

J. Floyd Tyler . . . . . *Vice President for Business Affairs*  
Larry C. Davis . . . . . *Assistant to the Vice President*  
Joseph E. Bolchoz, Jr. . . . . *Chief Accountant*  
Ray C. Clark . . . . . *Director of Physical Plant*  
Nicky Pappas . . . . . *Bursar*  
Annie W. Patrick . . . . . *Director of Food Services*  
J. Samuel Ruff . . . . . *Purchasing*  
John H. Vinson . . . . . *Personnel*  
Richard A. Wooden . . . . . *Auxiliary Enterprises*

### INSTITUTIONAL RESEARCH

Vernon G. Rivers . . . . . *Vice President for Institutional Research*

## THE FACULTY 1973-1974

- Myron James Edward Abbott, M.A. (1969) *Assistant Professor of Philosophy*  
A.B., Louisiana College; B.D., New Orleans Baptist Theological Seminary; M.A., Vanderbilt University
- James Philip Anderson, M.S. (1957) *Assistant 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
- Douglas Daniels Ashley, Ph.D. (1972) *Assistant Professor of Music*  
B.Mus., M.Mus., Ph.D., Northwestern University; Diploma, Conservatory of Vienna.
- Joseph J. Benich, Jr., D.B.A. (1972) *Assistant Professor of Business Administration*  
B.S.Ch.E., Case Institute of Technology; M.B.A., Case Western Reserve University; D.B.A., Kent State University
- Virginia Doubchan Benmaman, M.A. (1970) *Assistant Professor of Spanish*  
B.S., University of Wisconsin; M.A., San Francisco State College
- Joseph F. Benton, M.Ed. (1971) *Assistant Professor of Education*  
B.A., Union University; M.Ed., University of Georgia
- James M. Bickley, Ph.D. (1973) *Assistant Professor of Economics*  
B.S., University of Maryland; M.A., Brown University; Ph.D., University of North Carolina at Chapel Hill
- 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
- P. Kenneth Bower, M.Ed. (1973) *Assistant Professor of Education*  
B.S., Lock Haven State College; M.Ed., Pennsylvania State University
- William Clark Bradford, Jr., Ph.D. (1970) *Assistant Professor of English*  
A.B., Colby College; M.A., Ph.D., Duke University
- Lorin Wayne 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
- Norman Allison Chamberlain, III, Ph.D. (1962) *Professor of Biology and Director and Resident Biologist, George D. Grice Marine Biological Laboratory*  
B.A., University of North Carolina; M.A., Ph.D., The Johns Hopkins University

- Malcolm Cameron Clark, Ph.D. (1966) *Associate Professor of History*  
B.A., M.A., George Washington University; Ph.D., Georgetown 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
- Richard Collier Crosby, Ph.D. (1971) *Associate Professor of Psychology and Director of Counselling*  
B.S., M.S., Ph.D., Cornell University
- 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
- Chi Xuan Diep, M.A. (1971) *Assistant Professor of French*  
M.A., University of Minnesota
- Donald Maurice Drost, Ph.D. (1970) *Assistant Professor of Physics*  
B.S., M.S., Ph.D., Louisiana State University
- 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
- Walter C. Ficklin, (1972) *Cataloger*  
B.A., Claremont Men's College
- Kenneth H. Foote, M.B.A. (1973) *Assistant Professor of Business Administration*  
B.S., University of Colorado; M.B.A., Ohio State University
- 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 Gerald, M.A. (1972) *Assistant Professor of Spanish*  
B.S., University of Tampa; M.A., Ph.D., University of South Carolina

- Gerald Wray Gibson, Ph.D. (1965) *Associate Professor of Chemistry*  
B.A., Wofford College; Ph.D., 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) *Assistant 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
- 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
- William Halsey (1972) *Assistant Professor of Fine Arts*  
School of Boston Museum of Fine Arts
- John Andrew Hamilton, Ph.D. (1970) *Professor of French*  
A.B., M.A., University of South Carolina; M.A., Ph.D., Harvard University
- Joseph Morgan Harrison, M.A. (1970) *Assistant Professor of English*  
B.S., University of the South; M.A., University of Virginia
- Julian Ravenel Harrison, III, Ph.D. (1963) *Associate Professor of Biology*  
B.S., College of Charleston; A.M., Duke University; Ph.D., University of Notre Dame
- William Hugh Haynesworth, Ph.D. (1970) *Assistant 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) *Assistant 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 Hodgin, M.S. (1971) *Head Librarian*  
B.A., High Point College; M.S., University of North Carolina
- James Holladay, Jr., Ed.D. (1967) *Associate Professor of Education*  
B.S., M.A., Ed.D., University of Alabama.
- Paul Whitten Holmes, Ph.D. (1972) *Assistant Professor of Psychology*  
B.A., Southwestern College at Memphis; M.S., Ph.D., Univ. of Mississippi
- Charles Stephen Little Hoover, M.A., (1972) *Assistant Professor of History*  
B.A., University of the South; M.A., Yale University
- Ronald Hornbeck, M.L.S. (1973) *Cataloger*  
B.A., Bucknell University; M.L.S., University of Pittsburgh
- Frank D. Hurdis, M.A. (1972) *Assistant Professor of Fine Arts*  
B.A.H., University of Virginia; M.A. Cornell University
- Diane Chalmers Johnson, Ph.D. (1970) *Assistant Professor of Art History*  
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
- Layton 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 New York; Ph.D., Univ. of Houston
- Katherine Fuller Kelly, Ph.D. (1973) *Assistant Professor of Biology*  
B.S., Newberry College; M.S., Clemson University; Ph.D., North Carolina State University
- William H. Keeling, M.A. (1972) *Assistant Professor of Sociology*  
B.A., M.A., University of Kentucky
- 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) *Assistant 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
- Ruby Jeanne Lanier, Ed.D. (1971) *Assistant Professor of Education*  
A.B., Lenoir-Rhyne College; M.A., Appalachian State University; Ed.D., Duke University
- Lucile R. Lehmann, M.S. (1971) *Cataloger*  
B.A., M.S., Florida State University
- Marvin J. Light, M.A.L.S. (1973) *Assistant Librarian and Director of the Learning Resources Center*  
B.A., Columbia College; M.A.L.S., Rosary College

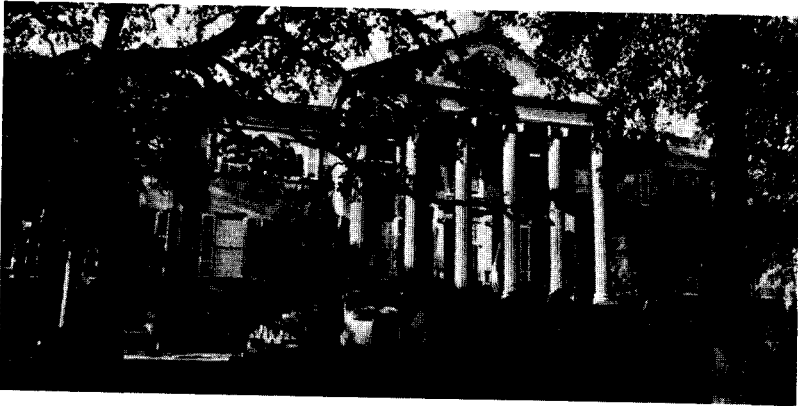
- Carl James Likes, Ph.D. (1958) *Professor of Chemistry*  
B.S., College of Charleston; Ph.D., University of Virginia
- William Alfred Lindstrom, Ph.D. (1973) *Assistant Professor of Physics*  
B.S., Auburn University; M.S., Ph.D., Clemson University
- Martha Lott, M.L.S. (1973) *Reference Librarian*  
B.A., M.L.S., University of South Carolina
- John Joseph Manzi, Ph.D. (1973) *Assistant Professor of Biology*  
B.A., M.S., Southern Connecticut State College; Ph.D., College of William and Mary
- Jeanne L. Mather, M.Ed. (1973) *Assistant Professor of Education*  
B.A., Juniata College; M.Ed., Pennsylvania State College
- George David Mattison, Ph.D. (1972) *Assistant Professor of Geology*  
B.S., University of Redlands; Ph.D. Pennsylvania State University
- Robert H. Mende, Ed.D. (1973) *Assistant Professor of Education*  
B.S., New York University; M.Ed., Ed.D., University of Virginia
- 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
- Laney Ray Mills, Ph.D. (1971) *Assistant Professor of Physics*  
B.S., Southwestern University; M.S., Ph.D., Louisiana State University
- Suzanne S. Moore, M.A. (1973) *Assistant Professor of Spanish*  
B.A., Southern Illinois University; M.A., University of Kentucky
- Pamela Morgan, M.L.S. (1972) *Serials-Documents Librarian*  
B.A., North Carolina State University; M.L.S., University of North Carolina
- Gwenda Morgan, M.A. (1973) *Assistant Professor of History*  
B.A., M.Ph., University of Southampton; M.A., College of William and Mary
- William Vincent Moore, M.A. (1972) *Assistant Professor of Political Science*  
B.A., M.A., Southern Illinois University
- Nan Dansby Morrison, Ph.D. (1967) *Associate Professor of English*  
B.A., Troy State College; M.A., Ph.D., University of South Carolina
- Oksanna Nahnybida, Ph.D. (1973) *Assistant Professor of French*  
B.A., Rutgers University; M.A., Middlebury College; Ph.D., Tulane University
- R. Bryan Nichols, Ph.D. (1971) *Assistant Professor of English*  
B.A., M.A., LL.B., Ph.D., Baylor 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) *Assistant 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

- 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) *Associate 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) *Cataloger*  
 B.A., St. Andrews Presbyterian College; M.A., M.L.S., University of Pittsburgh
- Maggie Thurman Pennington, Ph.D. (1963) *Professor of Biology*  
 B.S., Radford College; Ph.D., University of Virginia
- 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) *Assistant Professor of Political Science*  
 B.A., M.A., Northwestern University; M.A., Ph.D., Tulane University
- Mary Kathleen Pilcher, M.S. (1971) *Assistant Librarian*  
 A.B., M.S., Florida State University
- Susan Prazak, M.A. (1972) *Assistant Professor of Mathematics*  
 B.A., N.Y.U.; M.A., Hunter College
- 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 Psychology*  
 B.S., University of Southern Mississippi; M.A., Ph.D., University of Mississippi
- 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
- Wendy Lang Salinger, M.F.A. (1973) *Assistant Professor of English*  
 B.A., Duke University; M.F.A., University of Iowa
- Margaret Fay Sawyer, M.A. (1973) *Assistant Professor of Sociology*  
 A.A., Gardner-Webb College; B.A., North Carolina State University; M.A., University of Tennessee
- Roy Thomas Sawyer, Ph.D., (1970) *Assistant Professor of Biology*  
 B.S., Wofford College; M.S., University of Michigan; Ph.D., University of Wales
- Joan Schmelzle, M.L.S. (1972) *Reference Librarian*  
 B.A., Clarke College and University of Illinois; M.L.S., Indiana University
- William Allen Schwab, M.A. (1971) *Assistant Professor of Sociology*  
 A.B., Miami University; M.A., University of Akron

- Richard 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
- Simeon Mozart Smith, Jr., Ph.D. (1969) *Assistant Professor of English*  
B.S., United States Military Academy; M.A., Ph.D., University of Pennsylvania
- Charles Edgar Staats, Jr., M.F.A. (1972) *Assistant Professor of Fine Arts*  
B.A., Harvard University; M.F.A., Boston 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
- Daniel G. Stephens, Ph.D. (1973) *Assistant Professor of Geology*  
B.A., Emory and Henry College; M.S., 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
- 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
- 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) *Assistant 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
- 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
- James Fred Watts, Ph.D. (1970) *Assistant 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
- Nick Williams, Ph.D. (1972) *Assistant Professor of Mathematics*  
B.A., M.A., University of Texas; Ph.D., Auburn University
- James William Wilson, M.A. (1973) *Instructor in Latin*  
B.A., Geneva College; M.A., University of North Carolina
- Cecil Hilburn Womble, Jr., Ph.D. (1970) *Professor of Classical Studies*  
A.B., M.A., Ph.D., The Johns Hopkins University
- Peter Harold Yaun, Ed.D. (1973) *Assistant Professor of Education*  
B.A., 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 15.

### Specific Items Necessary to Complete an Application:

#### Freshman Admission

- a. A completed application for admission
- b. Application Processing Fee of \$15 (non-refundable)
- c. Transcript of work completed in secondary school
- d. Scholastic Aptitude Test scores
- e. Any additional items requested in the application materials or by the Office of Admissions

#### Transfer Admissions

- a. A completed application for admission
- b. Application Processing Fee of \$15 (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 or by the Office of Admissions.

#### Non-degree (Special Students)

- a. A completed application for admission
- b. Application Processing Fee of \$15 (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 \$15.00 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 or 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 Curriculum 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 Medicine, the Five 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. The transfer student is not eligible for these degrees.

### **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 list of CLEP examinations:

American Government	Human Growth and Development
American History	Introduction to Business Management
American Literature	Introductory Accounting
Biology	Introductory Business Law
College Algebra	Introductory Calculus
Computers & Data Processing	Introductory Economics
Elementary Computer Programming-Fortran IV	Introductory Marketing
English Composition	Introductory Sociology
English Literature	Money and Banking
General Chemistry	Statistics
General Psychology	Trigonometry
Geology	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.

## ADMISSIONS POLICY

### Freshmen

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

The admission of these students will be based on a policy approved by the State College Board of Trustees as recommended by the Faculty Advisory Committee on Admissions.

Using the secondary school record, rank in class and Scholastic Aptitude Test scores, applicants whose freshman year predicted grade point average is a minimum of 1.6 will be admitted to the College.

Applicants whose freshman year predicted grade point average is between a 1.2 and 1.59 will be given the opportunity to attend the College of Charleston summer school. Upon completion of summer school, if they pass a minimum of two courses and earn a cumulative 2.0 average, these students will be admitted to the College. Students who elect to attend summer school must enroll in courses selected from within the following group: English, history, mathematics (not to include non-credit courses), logic, foreign language or a laboratory science.

Applicants whose freshman year predicted grade point average is less than 1.2 will be denied admission to the College.

### Transfers

Applicants for transfer admissions will be accepted for admission if:

1. a. If at the end of one semester of college attendance as a full-time student they have a minimum of six semester hours of transfer credit.
  - b. If at the end of two semesters of college attendance as a full-time student they have a minimum of twelve semester hours of transfer credit having no less than six semester hours of transfer credit for each semester attended.
  - c. If during each subsequent semester the applicant has no less than nine semester hours of transfer credit.
2. They are eligible to return to the college last attended.

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**

All applicants for readmission will be accepted unless they have twice been dropped from the College for academic deficiency or if they have been permanently dropped for disciplinary, social or honor code violations.

### **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 which has been established as the minimum 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 Deposit**

New applicants will be notified in their letter of acceptance of the date on which the Advance Tuition Deposit 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 deposit will be credited to the regular fees of the student who is accepted for admission and enrolls at the College.

### Room Reservation Deposit

All new students will be notified in the acceptance letter concerning payment of the required \$50.00 Advance Room Deposit.

### 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 penalty. A fee of \$15.00 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.

$$\begin{array}{r} 250 \\ 615 \\ \hline 865 \\ 800 \\ \hline 172 \end{array}$$



## 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 days (unless specific arrangements have been made with the Business Office prior to registration). Checks for the exact amount of charges should be made payable to the College of Charleston. A tuition and fees deposit of \$50.00 is due by April 3 for all returning students.

The following fees apply to each semester:

	<i>Resident</i>	<i>Non-Resident</i>
For Nine Hours or More		
College Fees	\$100.00	\$450.00
Tuition Fee (for Institution Bond debt service)	100.00	200.00
Plant Improvement Fee	50.00	50.00
	\$250.00	\$700.00
Part Time Students		
Course Fee (per semester hr.)	\$ 20.00	\$ 20.00
Course Auditing Fee		
Non-credit: requires approval of Professor and Dean		
Full Time Student		No Charge
Part Time Student (per course)		\$ 25.00
Student taking no credit hrs. (per course)		50.00

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.

**Advance Room Deposit:**

Advance Payment	\$ 50.00
(Fall Semester due date April 3, 1974)	
(Spring Semester due date Nov. 1, 1974)	

<b>Housing and Cafeteria Fees:</b>	<i>Per Semester</i>	<i>Per Year</i>
Room Fee (New Women's Resident Apartments)	\$300.00	\$600.00
Room Fee (All other dorms)	<del>550</del> 250.00	500.00
Board	<del>615.00</del> 350.00	700.00*
Linen Service	15.00	30.00**

An additional \$50.00 per semester will be charged for private rooms when available. All rooms are completely furnished including phones, 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. All dormitory residents are required to subscribe to this board plan, with the exception that the plan is optional for students living in the new Women's Residence Apartments, and houses at 28, 32, 34, 36 and 38 Coming Street.

\*\*Includes the use of two sheets, one pillow case and three towels each week during the academic year.

**Special Charges:**

Application Fee	\$ 15.00
Diploma and Graduation	15.00
Duplicate Identification Card . . . . .	2.00
Late Registration Fee	15.00
Change of Schedule Fee, for each change	2.00
Motor Vehicle Registration (per semester)	20.00
Transcripts (four transcripts free of charge) each additional	3.00
Returned Check Fee	5.00
Student Health & Accident Insurance— optional (for 12 months—Estimated Fee)	27.00*
Registration for Instruction in Piano	50.00

\*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 at \$3.00 each may be secured; 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 or of a member of his immediate family. This request must normally 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%
Up to three weeks after classes begin	25%
No refund after the third week of classes	

*Room Fees:*

There is no refund for room fees.

*Meals:*

Same schedule as tuition and fees applies to meals.

The \$50.00 tuition 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 with the concurrence of the faculty and administration and adopted by the Board of Trustees.

## **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**

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.

#### **FOR INCOMING FRESHMEN**

##### **The Foundation Scholarships**

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 half-tuition scholarships are awarded for the first year of study to first and second honor graduates of many South Carolina high schools as selected each year by the Scholarship Committee.

##### **Academic Achievement Awards**

These half-tuition scholarships for the first year of study are awarded to high school students as chosen by the Scholarship Committee.

## FOR CONTINUING STUDENTS

The following awards are made 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.

### The Endowed Scholarships

Each year these awards are made to many students based on their academic record. A full listing of them follows:

*Minnie L. Barnett (1926)*. Mrs. Minnie L. Barnett. For women students.

*Marion B. Byrd Memorial Scholarship (1974)*. To provide tuition and fees for a deserving student who otherwise might not be able to continue his or her education 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 De Fabritiis (1969)*. By bequest of the late Carolina De Fabritiis Holmes. For a student majoring in Romance Languages, Italian 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 paper 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 Grimball, Jr. (1925)*. The late Charlotte B. Grimball and Gabrielle M. Grimball, as a memorial to their father, William Heyward Grimball, Jr. For men students.

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

*B. A. Haygood – 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)*. Richard E. Haymaker, as a memorial to his mother, Mrs. Emma Vogelgesang Haymaker.

*Alexander Baron Holmes (1969)*. By the bequest of the late Carolina De Fabritiis Holmes, in memory of the late Alexander Holmes and his grandfather, Professor Francis S. Holmes. For a student majoring in science.

*Samuel Lapham (1925)*. 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.

*O'Neill (1908)*. 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 an annual scholarship for a deserving student of the College.

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

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

*South Carolina Society (1954)*. The South Carolina Society.

*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. For Protestant men.

## DESIGNATED ANNUAL SCHOLARSHIPS

Awards made available by industries, civic clubs and other groups, such as: South Carolina Electric and Gas Company, Georgetown Steel Corporation, The March of Dimes, College of Charleston Alumni Association, Charleston Exchange Club, and Mine Force Officers' Wives' Club are often available.

*The J. Waties and Elizabeth A. Waring Scholarship.* In memory of Judge J. Waties Waring and Elizabeth A. Waring. For a male student from Charleston County.

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

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 approved by the government (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 currently enrolled) for a period of at least six months duration.

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

The College supplies upon request, 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 participating banks.

### **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 upon request.

### **Loan Funds**

Available to students are certain sums especially marked by the donors for use as 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.

### **Tuition Plan Loans**

The Tuition Plan is a means of enabling the student to meet tuition and other academic fees with monthly payments instead of large payments. The student negotiates directly with the Tuition Plan Incorporated, 575 Madison Ave., New York, N. Y. 10022.



## 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 Medicine, and of Bachelor of Science with Medical Technology are specialized forms of the Bachelor of Science degree. Either of 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 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 the Medical University of South Carolina 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 University 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 degree of Bachelor of Science with Medicine or 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 courses of the major is required for graduation for all students admitted or readmitted in the fall semester of 1971, and thereafter.

### **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 chairman of the department concerned and with the Office of the Dean. 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 approve his selection of courses after the end of the sophomore year.

The subjects in which a major is offered are biology, business administration, chemistry, economics, elementary and secondary education, English, fine arts, French, geology, German, Greek, history, Latin, mathematics, philosophy, physics, political science, psychology, sociology, 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 no 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.*

The candidate for the degree of 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 in one of the following: Astronomy, Biology, Chemistry, Geology, Physics
- Mathematics or Logic 6 semester hours in Mathematics or in Logic.\*
- Foreign Language, Classical or Modern 0-12 semester hours: satisfactory completion of a course at the intermediate level or demonstration of proficiency at that level by examination
- Social Science 6 semester hours from one or two of the following: Economics, Political Science, Psychology, Sociology
- Humanities 6 semester hours from one or two of the following areas: British or American literature, any foreign liter-

Library	<p>ature either in the original language or in English translation, Fine Arts, History (excluding 101 and 102), Philosophy (excluding 215 and 216)</p> <p>1 semester hour: Library 101 (It is recommended that entering students, both freshmen and transfer students, take the course during their initial semester in the College.)</p>
---------	---

\*This requirement may not be met by a combination of course work in book 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 the College 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 Curriculum 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 consultation with the student, and may include provision for a validating exam on return.

The study aboard 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.

### Teacher Certification

To meet the requirements of the South Carolina State Board of Education, students must plan their four years of work to 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 elementary, secondary, and special education certification, (3) those courses specified as necessary for elementary certification or secondary certification which additionally necessitates a subject field. With reasonable foresight, the three sets of requirements can readily be correlated. It is very important that the student make his decision early — if possible, not later than the end of his freshman year — so that a member of the Education Department may help him plan to include the courses he will need during the next three years.

If a student chooses to major in Secondary Education, he should be fully aware of subject-matter requirements needed for teacher certification. It is possible for a student to graduate from the College with a major in Secondary Education and be deficient in required hours in a subject field needed for certification. It is the student's responsibility to keep up to date on requirements in specific subject fields, i.e., English, history, biology, French, etc. This information is available from the Education Department and will be furnished upon request. No general statements can be made as these requirements are subject to change.

A student who plans to major in Elementary Education must be especially selective in his choice of courses during each year at the College of Charleston. The student's first two years should be spent in the completion of the Minimum Degree Requirements for the College as well as the courses listed below in the Basic College Program Required for Elementary, Secondary, and Special Education Certification. Special emphasis should be given to completing the foreign language and natural science requirements. Elective courses should be taken during the first two years only when the student is unable to schedule courses for degree requirements or basic certification. During the junior and senior years the student majoring in Elementary Education and emphasizing Special Education must complete the twelve courses listed below as Required for Elementary Certification and choose additional elective courses to meet a minimum of 122 semester hours of credit for the college degree. The Education Department recommends that

## REQUIREMENTS FOR DEGREES

the twelve required courses be taken in a developmental sequence during the junior and senior year. Students desiring to become certified in an area of special education need to take at least five courses in an area of Special Education in addition to the required elementary education courses. These courses are to be sequenced. It is the student's responsibility to be aware of this sequence through planning discussions with a member of the Education Department and to adjust his schedule accordingly. Exceptions to this sequence, as in the case of transfer students, may be made with departmental approval.

Enrollment in courses in practice teaching, *Education 401* and *Education 403*, is restricted to regular students who are candidates for a degree at the College of Charleston. Candidates must be seniors and must have the approval of the Department of Education in the College.

A detailed statement of the requirements for teacher certification is contained in *Requirements for Teacher Education and Certification Adopted by the State Board of Education*, a bulletin published by the South Carolina Department of Education.

The following summary, which may be supplemented by additional details from the Registrar, covers the requirements.

### *Basic College Program Required for Both Elementary and Secondary Certification:*

12 semester hours in English;

12 semester hours in social studies (at least two fields, taken from history, political science, economics, geography when taught as a social studies subject, sociology, religion, philosophy and psychology must be represented, with not more than six semester hours in any one field);

12 semester hours in science (both a biological science and a physical science must be represented, but no specified number of semester hours in either);

2 to 3 semester hours in Art Appreciation;

2 to 3 semester hours in Music Appreciation;

2 to 3 semester hours in Personal and Community Hygiene.

### *Required for Secondary Certification are the following Education Courses:*

Techniques of Teaching – Education 302

History and Philosophy of Education – Education 309

Secondary Education – Education 304

Human Growth and Development – Education 305

Directed teaching in the Secondary School – Education 403  
*Required for Elementary Certification:*

(A) Professional:

- Child Growth and development – Education 303
- History and Philosophy of Education – Education 309
- Elementary School Curriculum – Education 307
- Teaching of Reading in the Elementary School – Education 308
- Teaching of Reading in the Elementary School – Education 340
- Directed Teaching in the Elementary School – Education 402

(B) Subject Matter Courses:

- Literature for Children – Education 311
- Mathematics for the Elementary School Teacher – Education 317, 318
- Art for the Elementary School Teacher – Education 319
- Health for the Elementary School Teacher – Education 321
- Music for the Elementary School Teacher – Education 320

*Required for Special Education Certification:*

(A) Teaching the Mentally Retarded:

- Introduction to Exceptional Children – Education 420
- Psychology of Mental Retardation – Education 421
- Educational Procedures for Teaching the Mentally Retarded – Education 422
- 6 Semester hours of Special Education electives

(B) Teaching the Learning Disabled:

- Characteristics of Learning Disabilities – Education 411
- Educational Procedures for Teaching and Learning Disabled – Education 412
- Practicum in Instruction of Exceptional Children – Education 423
- 6 Semester hours Special Education electives.

\*This course in Health for the Elementary School Teacher may be taken in lieu of the health course in the General Education category.

### **Pre-Professional Courses**

#### **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 done 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 twelve months at the Medical University of South Carolina, 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 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.

### **Integrated Five-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 five 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 matricu-

lation 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 1973-1974

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 faculty 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.

### LIBRARY

#### **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.

### 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 Introductory Calculus.

**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; Mathematics through Introductory Calculus; Geology 101, 103.

**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, 401-402; Mathematics 203, 216, 221; Geology 101, 102, 103; Foreign Language 201, 202, an additional Foreign Language; Philosophy 215, 216, 265.

*Except in the courses Biology 203 and 232, Biology 101 and 102, or 103 and 202, are prerequisites for all biology courses above the 100 level. For the courses Biology 203 and 232 the prerequisite is Biology 101 and 102.*

**101 General Biology (4)**

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

**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, two hours a week; laboratories, four hours a week.

Prerequisite: Biology 101 & 102 or 103.

**206 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.

Prerequisite: One 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.

**210 Microbiology (4)**

An introduction to the biology of microbes. Lectures, 3 hours a week. Laboratories, 3 hours a week.

Prerequisite: One year of biology and one 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.

Prerequisite: One year Biology and one year 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 per week.

Prerequisite: Math 216, One year of Biology or permission of instructor.

**232 Vertebrate Zoology (4)**

Life histories, adaptations, ecology, and classifications of vertebrate animals.

Laboratory work emphasizes living material from the local fauna. Lectures, two hours a week; laboratory, four hours a week.

**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.

Prerequisite: Biology 101 and 102 or equivalent; or by permission of instructor.

**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. Laboratories 4 hours a week.

Prerequisite: Biology 101-102 or equivalent or permission of instructor.

**301 Genetics (3)**

The principles of heredity. Lectures, three hours a week.

**303 Evolution (3)**

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

Prerequisite: Biology 101 & 102 (General Biology) and Biology 301 (Genetics).

**305 Comparative Vertebrate Embryology (4)**

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

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

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

**307 Zoogeography (3)**

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

**310 Oceanography (5)**

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 at the Grice Marine Biological Laboratory. Lectures, three hours a week; laboratory, 5 hours a week.

Prerequisites: One year each of college Mathematics, Chemistry, and Biology.

**314 Invertebrate Zoology (4)**

Classification, morphology, physiology, behavior, and life histories of invertebrates. Laboratory work centered on study of living material from the local fauna. Lectures, three hours a week.

**315 General Ecology (5)**

Consideration of organisms and their environmental relationships. Instruction is at the Grice Marine Biological Laboratory. Lectures, three hours a week; laboratory, five hours a week.

**318 Cell Biology (3)**

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

Prerequisite: Biology 101 & 102, plus one 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. Lecture, 2 hours; laboratory, 5 hours, held at the George D. Grice Marine Biological Laboratory.

**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 advanced juniors and seniors 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 investigation 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 advanced juniors and seniors interested in continuing toward a degree in biological or related sciences. The 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 per week. Laboratories 3 hours per week.

Prerequisite: Biology 101, 102 & 103

**400 Experimental Embryology (1-4)**

Techniques in fish, amphibian, and chick experimental embryology. The credit value is determined by the type of problem. Enrollment by permission of the instructor.

**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 per week.

Prerequisite: A course in physiology or permission of the instructor.

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

Morphology, evolution, systematics, and geography of fishes. Lectures, 2 hours; laboratory, five hours, held at the George D. Grice Marine Biology Laboratory. Open to juniors, seniors, and graduates.

**505 Histology (4) (Undergraduate and Graduate)**

A detailed study of the microscopic structure of mammalian tissues and organs. Lectures, three hours a week; laboratory, three hours a week. Open to juniors, seniors, and graduates.

**BUSINESS ADMINISTRATION AND ECONOMICS****BUSINESS ADMINISTRATION**

The major in Business Administration requires thirty-six semester hours in Business Administration and Economics which must include: B.A. 203, 204, 301, 302, 303, 304, 403 and 408. Only 300 and 400 level Economics courses may be used to fulfill Business Administration requirements.

**ECONOMICS**

The major in economics requires thirty-six semester hours in economics and business administration which must include: Econ. 201, 202, 303, 317, 318, and B.A. 304.

*Economics 201 and 202 are prerequisite to all courses at the 300 and 400 level.*

**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.

**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.

**202 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.

Prerequisite: ECO 202.

**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.



**301 Management Concepts (3)**

A presentation of the concepts underlying the management process. The concepts will serve to strengthen the student's understanding of the universal functions of management; planning, organizing, directing, and controlling.

Prerequisite: Economics 202.

**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.

**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. (Business Administration majors may use either B.A. 305 or B.A. 306, but not both, as partial fulfillment of their major requirements.)

This course is also listed as Political Science 305.

**306 Business Law (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)**

The principles, practices, and scientific techniques and devices used in the development and operation of an effective personnel program.

Prerequisite: Business Administration 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 Problems in Finance (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.

**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 Marketing Problems (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: B.A. 302.

**401 Human Relations (3)**

This course describes and analyzes the growth, development, and applications of the behavioral sciences to industrial society. Emphasis is placed upon the social, psychological, and cultural aspects of the work environment.

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.

**404 Federal Income Taxes (3)**

A study of income tax laws with emphasis on fundamentals applicable to individuals, partnerships, and corporations.

Prerequisite: B.A. 204.

**405 Marketing Problems (3)**

An advanced marketing course designed to acquaint students with the many facets of marketing and distribution administration. Market research and marketing policies will receive special attention.

Prerequisite: B.A. 302.

**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 other economics courses.*

**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: Econ. 201.

**303 Monetary Theory (3)**

A study of money and banking, the Federal Reserve system, monetary and fiscal policies, credit flows, and the impact these activities have upon business decisions and economic activity.

**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.

**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.
- 318 Macroeconomic Analysis (3)**  
An intensive study of classical, Keynesian, and post-Keynesian macroeconomic models.
- 320 Managerial Economics (3)**  
The application of economic principles relating to cost, revenue, profit, and competition which aid business decision-making and policy formulation.  
Prerequisite: ECO. 202.
- 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, 303, 304, 301, 302, 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, 303, 304, 301, 302, 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.

**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 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.

**105, 106 General Chemistry (3,3)**

A broad survey course in chemistry. Less theoretical than Chemistry 111, 112, and intended primarily for students not planning to take additional chemistry courses. Topics include chemical bonding, chemical reactivity, states of matter, and an introduction to compounds of commercial, practical, and biological significance. Students who wish to transfer to Chemistry 112 after completing Chemistry 105 may do so only with approval of the Chemistry Department. Lectures, three hours a week.

Corequisites or prerequisites: Chemistry 105L is a corequisite or prerequisite for Chemistry 105. Chemistry 106L is a corequisite or Prerequisite for Chemistry 106.

**105L, 106L General Chemistry Laboratory (1,1)**

A laboratory program to accompany Chemistry 105, 106. Experiments are chosen to give the student practice in employing the scientific method in problem-solving, to familiarize him with typical chemical laboratory techniques, and to illustrate concepts encountered in the classroom. Laboratory, three hours a week.

Corequisites and prerequisites: Chemistry 105 is a corequisite or prerequisite for Chemistry 105L. Chemistry 106 is a corequisite or prerequisite for Chemistry 106L. Chemistry 105L is a prerequisite for Chemistry 106L.

**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.

**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 106 and 106L.

**301, 302 Physical Chemistry (4,4)**

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; Laboratory, three hours a week.

**Prerequisite:** Mathematics 120.

**303, 304 Organic Chemistry (4,4)**

An introduction to the chemistry of carbon. A systematic study of nomenclature, structure, properties, preparations, and reactions of aliphatic and aromatic compounds. Attention given to recent developments in interpretation of structure and reaction mechanisms. Laboratory exercises include practice in more frequently used laboratory operations and small-scale synthesis of representative organic compounds. Lectures, three hours a week; laboratory, three hours a week.

Open to sophomores; enrollment priority given to juniors and seniors.

**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 303, 304.

**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.

Corequisite: Chemistry 308L. The corequisite may be waived with the instructor's permission.

**308L Biochemistry Laboratory (1)**

Designed to teach general techniques used in modern biochemistry. Analysis of carbohydrates, proteins, lipids, and other cellular components. Laboratory, three hours a week.

Prerequisite: Chemistry 303, 304.

Corequisite or prerequisite: Chemistry 308.

**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.

**403 Advanced Physical Chemistry (3)**

A supplemental course to Chemistry 301, 302 dealing primarily with molecular structure and bonding and with statistical thermodynamics.

Prerequisite: Chemistry 302.

**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 301.

Prerequisite or corequisite: Chemistry 302.

**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 for students to use the literature and to apply a variety of experimental techniques in investigation of selected problems in inorganic, analytical, organic, or physical chemistry. A report will be made to the Chemistry Staff at the conclusion of the project. Open to juniors or seniors majoring in chemistry on the approval of the department. 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.

**205 Intermediate Greek (3)**

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

Prerequisite: Greek 102 or the equivalent.

**206 Intermediate Greek (3)**

A continuation of Greek 205, which is prerequisite. Emphasis on Plato's *Dialogues*.

Prerequisite: Greek 205.



- 301 Homer (3)**  
Introduction to the epic Greek dialect. Selections from the *Iliad* or *Odyssey*.  
Prerequisite: Greek 206.
- 302 Greek Historians (3)**  
Comprehensive reading in Herodotus and Thucydides.  
Prerequisite: Greek 206.
- 311 Greek Tragedy (3)**  
Representative plays of Sophocles and Euripides will be read and analyzed.  
Prerequisite: Greek 206.
- 312 Greek Orators (3)**  
Introduction to Greek oratorical literature. Study of the speeches of Lysias, Demosthenes, and Isocrates.  
Prerequisite: Greek 206.
- 405 Directed Reading (1-3)**  
Advanced study of Greek literature. Specific content to be determined by consultation with the instructor.  
Prerequisite: Greek 312.
- 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)**  
An introduction to the reading of Latin verse with emphasis on Ovid's *Metamorphoses* and Roman Elegy.  
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.
- 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, which is the prerequisite. 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: Two 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 and Akkad, Babylonia, Assyria, the Hittites, Phoenicians 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, Lambic, 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 Programing (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.

## EDUCATION ELEMENTARY EDUCATION

*The Major:* Thirty-six semester hours.

**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.

- 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.
- 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.
- 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: Permission of instructor.
- 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.
- 311 English—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.
- 317 Mathematics—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—Mathematics for the Elementary School Teacher II (3)**  
Informal geometry and basic concepts of algebra.  
Prerequisite: Permission of instructor.
- 319 Art—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—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—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 Elementary School Teachers (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 Difficult 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 Fundamentals of Basic Reading (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 the local elementary schools to observe, teach, and participate during the entire school day for one half of the college semester. When taught in the summer session, the course runs for a minimum of six weeks. Students may enroll in the course during the Spring semester or during the first summer session.  
Prerequisites: EDU 303, 307, 308, 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.

## SECONDARY EDUCATION

*The Major:* Twenty-four semester hours.

- 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.
- 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.
- 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 counselling, and current theories of counselling.
- 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**  
Methods and materials of teaching basic and developmental reading skills; programming special services in reading instruction. Demonstrations of tests and devices.
- 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 school.
- 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)**

Students are placed in local high schools in subject matter fields. Approximately 50-60 hours of teaching, 30-40 hours of observation and participation. Class meeting on campus, one hour a week. Students may enroll in this course for either the first semester of the academic year, or for the second semester, but in any event, the student must register for the course in September, at the beginning of the academic year, in order that provision may be made with the local high schools to accommodate the student teachers. In determining the student's course load for the semester, this course will be considered the equivalent of two three-semester-hour courses.

Prerequisites or corequisites: Education 302, 304, 305, 309 or approval 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.

## SPECIAL EDUCATION

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

**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 for curricular materials; methods of teaching retarded children within the pre-adolescent and adolescent range.

- 423 Practicum in Instruction of Exceptional Children (3)**  
A supervised practicum in application of theory and educational procedures used to teach exceptional children. Each student will be assigned to a practicum site commensurate with his area of emphasis within Special Education.
- 424 Nature of Crippling and Special Health Problems (3)**  
Procedures to be used in the education of children who are handicapped physically, mentally, or emotionally. Attention is given to work with individual children as well as with groups.
- 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.
- 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.
- 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 the section, "Requirements for Degrees." 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-one must be from courses above the 200 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.

- 101 Composition and Literature (3)**  
A study of words, their complex usage, and their relationships in the clear expression of one's thought and personality. Emphasis is placed on enhancing the student's ability to understand and put to use the concrete and abstract forms of the language. Composition stresses unity, coherence, and structure. Selected readings and original classwork are used for direction and comparison.
- 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.
- 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.  
Prerequisite: 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 Old English in Translation (3)**  
A survey of the major prose and poetry of the Old English period from the Eighth through the Eleventh Century, with major emphasis on the Anglo-Saxon epic *Beowulf*.
- 308 Tudor Drama**  
English drama (exclusive of Shakespeare) from the beginnings through Christopher Marlowe.
- 309 Jacobean Drama (3)**  
A study of selected plays from the reign of James I to the closing of the theaters in 1642 (exclusive of Shakespeare).
- 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.
- 311 Medieval Literature: Non-Chaucerian (3)**
- 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: 1 (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 and Pound, Hopkins, Frost, Stevens, and Thomas.
- 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.

## FINE ARTS

*The Major:* 36 semester hours in fine arts, which must include Fine Arts 405. Students interested in a Fine Arts major should contact the chairman of the department as soon as possible so that an appropriate schedule may be planned. (Students are advised to take two of the following three introductory courses – FNA 103, 104, or FNA 107; two of the following six full year courses – FNA 105-106, FNA 101-102, FNA 208-209, FNA 211-212, FNA 206-207, or FNA 225-226; and 15 hours of Fine Arts courses at the 200, 300, 400 level which will give them an area of emphasis leading to the FNA 405 Independent Study project senior year.)

### ART HISTORY AND THEORY

*It is strongly recommended that a student have had Fine Arts 103, or 105-106 before enrolling in courses of Art History at the 200 level or above.*

**103 Art Appreciation: The Language and Composition of the Visual Arts (3)**

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.

**105 Art History Survey (3)**

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.

**106 Art History Survey (3)**

A continuation of Fine Arts 105 – from the arts of the Renaissance to today.  
Prerequisite: Fine Arts 105 or permission of instructor.

**201 Survey of American Art (3)**

Stressing major stylistic movements and artists in architecture, sculpture and painting from Colonial days to the present, with an attempt to analyze what is specifically American in American art. A study of particular works in the Charleston area will be included.

**202 History of Graphic Art (3)**

Survey of prints and print making 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)**

An analysis of the changing representation of selected themes and subjects – portraits, landscapes, religious images, etc. – throughout the history of art, with a consideration of the relation of these changes to changes in the economic status of the patrons, the philosophical thought, religious beliefs, and cultural environment of the times.

- 301 History of Ancient Art (3)**  
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.
- 302 History of Medieval Art (3)**  
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.
- 303 History of Renaissance Art (3)**  
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.
- 304 History of Baroque Art (3)**  
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.
- 312 Comparison of the Arts of the East and West (3)**  
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.
- 315 History of Modern Art (3)**  
Concentrating on art since Manet, in order to discover what modern art really involves, how it differs from the art of the past, and what it expresses about our times.
- 400 Seminar in American Art (3)**  
The seminar is intended to allow students initially exposed to American Art through FNA 201 the opportunity to investigate particular problems in American painting, sculpture, architecture or the decorative arts in greater depth.  
Prerequisite: Fine Arts 201
- 403 Theories of Art History (3)**  
Emphasizing the general principles involved in the study of the History of Art, including discussions of the different approaches to art history, such as Wofflin's stylistic approach, Hauser's history approach, and Arnheim's psychology of visual perception approach.

## STUDIO ART

- 101 Principles of Visual Art: Basic Drawing (3)**  
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.
- 102 Principles of Visual Art: Basic Painting (3)**  
Visual studies to develop an understanding of the structure and expression of the structure and expression of color and of different painting techniques. Media include collage, crayon, pastel, watercolor, and tempera.  
Prerequisite: Fine Arts 101, or permission of instructor.

**203 Intermediate Painting and Drawing (3)**

Further studies in the techniques of drawing and oil painting; work from models and still life.

Prerequisite: Fine Arts 101-102, or acceptable previous training.

**204 Oil Painting and Related Media (3)**

Continuation of 203, with greater emphasis on the expression and technique of the individual student. Large scale oil paintings, additional study in the use of polymer, acrylic and related media.

Prerequisite: Fine Arts 203.

**305 Introduction to Printmaking (3)**

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.

**306 Printmaking II: Intaglio (3)**

Drypoint, etching, aquatint as applied to metal and plastic plates, using a press for printing. Emphasis on expressive composition as well as techniques.

Prerequisite: FNA 305, Introduction to Printmaking.

**309 Descriptive Drawing I (3)**

Graphic study of forms and expressions of various objects — including the human figure through processes of analysis and synthesis, using various graphic approaches, techniques, and compositions.

**310 Principles of 3-dimensional Art (3)**

To train the student to visualize in 3-dimensional space and to develop sensitivity to and expression through — form, structure, space, texture, and color. Different materials and forming processes will be used.

**311 Descriptive Drawing II (3)**

Continuation of FNA 309: Life Drawing, 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: FNA 309.

**316, 317 Advanced Painting I, II (3,3)**

Further development of the language skills needed to express clear visual thought. Emphasis on color and drawing in relation to the painter's intention and achievement, and on overall composition.

Prerequisite: FNA 203-204. FNA 316 is prerequisite for 317.

**347 Sculpture I (3)**

Dealing with the problems of concept and executive of sculpture, this course will acquaint the student with further techniques in modeling, moldmaking, and casting of various materials.

Prerequisite: Fine Arts 310 or submission of an acceptable portfolio.

**401 Special Problems in Painting (3)**

Studio course adapted to the special interests, ability, and preparation of advanced students. An intensive examination of a selected problem in painting. Especially for students planning graduate work in art.

Prerequisite: Permission of instructor.

## MUSIC HISTORY AND LITERATURE

*It is strongly recommended that a student have had Fine Arts 104 before enrolling in Music History Courses at the 200 level or above.*

- 104 Music Appreciation: The Art of Listening (3)**  
Introduction to the fundamentals of music necessary for intelligent listening. Musical 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.
- 208 History of Music Survey from Middle Ages to 17th Century (3)**  
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.
- 209 History of Music Survey from 18th Century to the 20th Century (3)**  
A continuation of Fine Arts 208.
- 320 The Baroque Era (3)**  
A study of the development of music from Monteverdi through Bach and Handel.
- 322 The Classic Era (3)**  
A study of the development of music from c. 1750 to c.1820.
- 324 The Romantic Era (3)**  
A study of the development of music from c. 1820 to c.1900.
- 326 The Modern Era (3)**  
A study of the development of music since 1900.
- 336 Opera Literature (3)**  
A study of selected operas by composers of the 18th to 20th centuries.

## MUSIC THEORY

- 108 Fundamentals of Music Notation (2)**  
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, clef, 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 requirements in Humanities.
- 211 Music Theory I (3)**  
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 an integrated approach to sight singing, ear training, keyboard, and written exercises.
- 212 Music Theory II (3)**  
A continuation of Fine Arts 211, including an introduction to modulation, non-harmonic tones, secondary dominants, and chromatic harmony found in 19th century music, utilizing an integrated approach to sight singing, ear training, keyboard, and written exercises.  
Prerequisite: Fine Arts 211 or satisfactory completion of proficiency examination.



**313 Music Theory III (3)**

A continuation of Fine Arts 212, including a review of chromatic harmony, a study of Impressionistic style, analyses of modal specimens, and an introduction to twentieth century music. Ancillary keyboard and listening exercises are provided.

Prerequisite: Fine Arts 212 or satisfactory completion of proficiency examination.

**314 Music Theory IV (3)**

A continuation of Fine Arts 313, 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: Fine Arts 313.

**321 Musical Form and Analysis (3)**

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: Fine Arts 212.

**323 Counterpoint (3)**

An introduction to modal and tonal counterpoint, including analysis of representative musical specimens and writing exercises.

Prerequisite: Fine Arts 212.

**325 Orchestration (3)**

An investigation of performance characteristics of the orchestral instruments together with practical study of instrumental scoring. Original work and transcriptions.

Prerequisite: Fine Arts 212.

**335 Music Composition (3)**

Composition with adherence to strict forms and creative writing in various forms and media.

Prerequisite: Fine Arts 314, or concurrent.

**PRACTICE AND PERFORMANCE OF MUSIC****111-118 Voice (1) per semester.**

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.

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

**337-344 Advanced Voice (2)**

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; & seminar one hour weekly.

Prerequisite: Permission of instructor.

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

**120-127 Piano (1) per semester.**

The study of basic techniques of piano playing and concepts of musical interpretation involved in performance. One hour private lesson weekly, for which a minimum of three hours practice is required.

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

**327-334 Advanced Piano (2)**

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.

**213, 214, 215, 216 Concert Choir (1,1,1,1)**

The study and performance of choral music, both sacred and secular, from the Renaissance to the 20th century.

Prerequisite: Permission of instructor.

**318, 319 Conducting (2,2)**

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: Fine Arts 318 is prerequisite for Fine Arts 319.

**345, 346 Instrumental Pedagogy (2,2)**

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: Fine Arts major with a music emphasis, or permission. Fine Arts 345 is a prerequisite for Fine Arts 346.

## HISTORY OF ARCHITECTURE AND URBAN DESIGN

**230 City Design in History (3)**

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.

**350 Space, Structure, and Urban Design in Ancient Times (3)**

The beginnings of architecture in Mesopotamia, Egypt, and Greece. Stages of Greek and Roman architecture; relationship of structures to changing social institutions.

**352 Space, Structure, and Urban Design in the Middle Ages (3)**

Articulation and unification of space in medieval times. The aims, tasks, and achievements of medieval architecture; techniques and expressive meaning. Systems of proportion. Town planning in the Middle Ages.

**354 Space, Structure, and Urban Design: Modern Times (3)**

Romantic classicism in architecture and urban design and its historic roots. Technology and changing social conditions in their relation to architecture; new structural solutions and methods of construction; architectural theories.

**356 20th Century Theories of Design (3)**

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.

## DRAMA

- 107 Fundamentals of Dramatic Art (3)**  
Introduction to the history, literature, principles, and techniques of the theater.
- 206 Performance and Oral Communication (3)**  
An introduction to the theory and practice of oral communication in all forms of performance: stage acting, T.V., radio, and platform.
- 220 Fundamentals of Acting (4)**  
An introduction to fundamental techniques of acting: voice and body control, improvisations, interpretation of characters applied in scenes. Lectures and labs.  
Prerequisite: Fine Arts 206.
- 217, 218 Stagecraft and Design (4)**  
First semester involves basic principles and practice of stagecraft — and introduction to equipment and procedures in theatrical presentations; continuing in the second semester into problems of overall stage design — including concepts of pure design and the history of theatrical styles. Lectures and labs.  
Prerequisite: Fine Arts 217 is prerequisite for Fine Arts 218.
- 223, 224 Stage Movement (4)**  
Introduction to basic elements of stage movement — basic spatial relationships, dramatic effectiveness, control, expression, etc. Lectures and labs.  
Prerequisite: Fine Arts 223 is prerequisite for Fine Arts 224.
- 225, 226 History and Literature of the Theater (3)**  
First semester involves a survey of plays, playwrights, actors, production, and physical development of theaters from the Greeks to 1660; second semester continues from 1660 to the present.  
Prerequisite: Fine Arts 225 is prerequisite for Fine Arts 226.
- 227, 228 Fundamentals of Dance (4)**  
Introduction to the history and practice of the dance and its relation to the other arts. Lectures and labs.  
Prerequisite: Fine Arts 227 is prerequisite for Fine Arts 228.
- 307, 308 Dramatic Performance: Intermediate Acting I, II (4,4)**  
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: Fine Arts 220. FNA 307 is prerequisite for 308.
- For all Fine Arts Majors:**
- 405 Independent Study (3)**  
The student who has developed strong interest in a particular problem in Fine Arts not covered in depth in offered courses may determine a project in consultation with a department member qualified to guide and judge the work.  
Open to seniors only, with permission of the department. Required of all Fine Arts majors.

## GEOLOGY

*The Major.* Bachelor of Science in Geology consists of 36 hours in geology which must include the following: Geology 101, 102, 203, 315, 410, 420, 450. Also required are Chemistry

111, 112, or Chemistry 105, 106, Math 111, Physics 101, 102, or 103, 104, and Computer Science 100 or Math 216 or 217.

Recommended courses for Marine Geology emphasis are Geology 103, 310, 311, 411, Biology 310, Chemistry 309, Math 120.

Recommended courses for Mineralogy-Petrology emphasis are Geology 304, 305, and Chemistry 301, 302, 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 prerequisite for all other courses in Geology.

**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; laboratory, 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 structures. Fundamental concepts of tectonics: origin, arrangement and distribution of rock masses that form the earth crust. Lectures, 3 hours a week. Laboratories, 3 hours a week.

Prerequisite: GEO 101.

**202 General Invertebrate Paleontology (4)**

A study of the development of invertebrate life through geologic time. Emphasis will be placed on the identification of particular groups which have utility as geochronologic indicators. Lectures, three hours per week; laboratory, three hours per week.

Prerequisite: Geology 101, 102; (Biology 101, 102, 232 recommended).

**203 Mineralogy (4)**

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

Prerequisite: Chemistry 105 or 111 and Geology 101.

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

Man's impact on his geologic environment: waste disposal, mineral resources and conservation, land reclamation . . . energy requirements and population growth. Lectures, three hours per week.

Prerequisite: Geology 101.

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

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

Enrollment by permission of instructor.

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

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

Enrollment by permission of instructor.

**304 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.

Prerequisite: Geology 101 and 203 or permission of instructor.

**305 Phase Equilibria (2)**

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

Prerequisite: Geology 101 and 203 or permission of instructor.

**310 Coastal Plain Stratigraphy (3)**

Principles of synthesis and correlation of the stratigraphic record. Emphasis on the Mesozoic and Cenozoic stratigraphy of the Carolinas Coastal plain. Lectures, two hours per week; laboratory three hours per week.

Prerequisite: Geology 101, Geology 102, Geology 103.

**311 Beach and Nearshore Processes (3)**

Erosional and depositional processes of major types of beaches. Waves spectrum and dynamics and its interrelationships to beach development. Lectures, two hours per week; laboratory, three hours per week.

Prerequisite: Geology 101, Geology 102, Geology 103.

**314 Approaches to Paleocology (4)**

A study of the utility of paleontological information in interpreting ancient environments. Emphasis will be placed on life and death assemblages and horizontal and vertical distributions of animals. Lectures, three hours per week; field trips TBA.

Prerequisite: Geology 101, 102, 202

**315 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 technique. In the last portion of the laboratory minerals will be studied in thin sections. Lectures, one hour per week; laboratory, six hours per week.

Prerequisite: Geology 203.

**320 Economic Geology (3)**

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

Prerequisite: Geology 101, Geology 203.

**400 Seminar in Marine Geology (1-2)**

Literature survey and report writing on selected topics of marine geology.

Enrollment by permission of instructor.

**410 Sedimentary Petrology (4)**

Origin and classification of major groups of sedimentary rocks, with emphasis on marine carbonate rocks. Rock identification under petrographic microscope. Lectures, three hours per week; laboratory, three hours per week.  
Prerequisite: Geology 101, Geology 102, Geology 315.

**411 Marine Sedimentology (4)**

Physical and chemical processes of sedimentation in the marine environment. Clay mineral studies by x-ray diffraction. Emphasis on the estuarine and shallow marine zone. Lectures, three hours per week; laboratory three hours per week.  
Prerequisite: Geology 101, Geology 102, Geology 103, Geology 311, Geology 410.

**420 Igneous-Metamorphic Petrology (3)**

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. Lectures, three hours per week.  
Prerequisite: Geology 203.

**421 Igneous-Metamorphic Petrography (1)**

The study of igneous and metamorphic rocks in thin section. Laboratory, three hours per week.  
Prerequisite: Geology 203, Geology 315, Geology 420 or taking Geology 420 concurrently.

**450 Geologic History of North America (4)**

An in-depth study of the evolution of the structural-stratigraphic framework of the North American continent. Lectures, three hours per week; laboratory, three hours per week.  
Prerequisite: Geology 102 and 410, 420 or concurrently.

## 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 is assigned 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.

**201 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.

**202 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.

**203 Urban History in the United States (3)**

The origins and growth of American cities from the colonial period to the present, with emphasis on the economic, political, and cultural developments and analyses of the American process of urbanization.

**213 History of England (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 (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.

**305 History of South Carolina (3)**

Prerequisite: six semester hours in history.

**309 History of Latin America (3)**

The Iberian heritage; struggle for independence and stability; Pan-American relations; the rise of modern dictatorships in Latin America.

**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 Ancien 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.
- 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."
- 325 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.
- 326 Twentieth Century Europe (3)**  
1914 to present, including World War I; Peace Settlement; Depression, Post-war Communism, Fascism, Nazism, World War II; Internationalism; Neutralism; Cold war and problems in the Nuclear Age.
- 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.
- 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.

Prerequisite: Six semester hours in history.

**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.

Prerequisite: Six semester hours in history.

**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.

**341 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. Offered alternate years.

Prerequisite: Six semester hours in history.

**342 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. Offered alternate years.

Prerequisite: Six semester hours in history.

**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 (3)**

The causes of the war, problems of Confederate and Union Governments, military leadership and campaign, and results.

**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.

**349 History of the Renaissance and Reformation (3)**

Offered alternate years.

- 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.
- 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 History of the Near and Middle East to 1750 (3)**  
After a brief survey of the Near East in Late Antiquity, the course will treat Mohammed and the rise of Islam, the classical Arab caliphate, and the origins and development of the Medieval Ottoman Turkish and Saravid Persian states.
- 364 History of the Near and Middle East since 1750 (3)**  
The process of economic, social, political, and intellectual modernization in the Arab, Turkish, and Iranian parts of the Near East; local responses to European and Russian penetration of the region; the rise of the Palestinian problem and the modern state of Israel.
- 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, pre-colonial 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.
- 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.

**399 Senior Paper Seminar (3)**

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

**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.

## MATHEMATICS

*The Major:* Mathematics 120, 203, 220, and 221 are the foundations for the major. 21 additional hours 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.

A two semester course for the liberal arts student. Topics include logic and sets, cardinal numbers, an introduction to an abstract mathematical system, probability, additional topics from number theory, linear programming and sequences to be discussed as time permits.

Prerequisite: Mathematics 103 is a prerequisite for Mathematics 104.

**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 the elements of analytic geometry, functions, continuity and limits, derivatives and finding derivatives, the Mean Value Theorem and its applications, applications of derivatives, the definite integral, the logarithmic and exponential functions, techniques of integration, and applications of the definite integral.

Prerequisite: Mathematics 111 or its equivalent.

**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)**

Probability models, random variables, important probability distributions, interval and point estimation, testing hypotheses.

Prerequisite: Mathematics 111 or permission of instructor.

**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, derivatives, integrals, limits and approximations, infinite series, elementary differential geometry, simple differential equations.

Prerequisite: Mathematics 120 or its equivalent.

**221 Calculus III (3)**

Geometry in space, limits and continuity of functions of several variables, differentiation, multiple integrals, line integrals, Green's Theorem.

Prerequisite: Mathematics 220.

**303 Abstract Algebra (3)**

An introduction to algebraic structures. Elementary properties of groups, rings and fields, polynomials and matrices over a field, homomorphisms.

Prerequisite: Mathematics 203 or permission of instructor.

**311 Introductory Real Analysis I (3)**

Properties of the real number system, the complex number system, set theory and cardinal numbers, metric spaces, Euclidean spaces, continuity, differentiation, the Riemann-Stieltjes integral, series of numbers, series of functions, series expansions, and calculus on manifolds.

Prerequisite: Mathematics 221.

**315 Complex Analysis (3)**

The complex number system, analytic functions, integration, power series, residue theory, analytic continuation, and conformal mapping.

Prerequisite: Mathematics 311 or permission of instructor.

**317 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 220.

**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: Mathematics 220.

**324 Vector Analysis (3)**

An introduction to vector analysis, including vector algebra, differentiation of vector valued functions, line and surface integrals, and vector spaces.

Prerequisite: Mathematics 221 or permission of instructor.

- 325 Numerical Analysis (3)**  
Solutions of equations, polynomial approximations, interpolation, quadrature, initial value problems for ordinary differential equations, matrix inversion and matrix eigenvalues.  
Prerequisite: Mathematics 203 and 323. Computer Science recommended.
- 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 220.
- 340 Axiomatic Geometry (3)**  
An axiomatic development of Euclidean geometry, with topics from non Euclidean geometry and projective geometry as time allows.  
Prerequisite: Math 120 or permission of instructor.
- 411 Introductory Real Analysis II (3)**  
A continuation of Mathematics 311.  
Prerequisite: Mathematics 311.
- 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 Advanced Abstract Algebra (3)**  
Special topics in algebra.  
Prerequisite: Mathematics 303.
- 423 Applied Mathematics (3)**  
Fourier Analysis, special functions, integral transforms, partial differential equations, differential-difference equations.  
Prerequisite: Mathematics 221 and 323.
- 425 Advanced Topics in Linear Algebra and the Theory of Vector Spaces (3)**  
The geometric aspect of vector spaces and linear transformations will be stressed. Spaces, transformations, orthogonality, and analysis.  
Prerequisite: Mathematics 203.
- 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 317.
- 442 Advanced Axiomatic Geometry (3)**  
Continuation of Mathematics 340.  
Prerequisite: Mathematics 340.

**445 Introduction to Measure Theory (3)**

Classical constructions of measure, the Lebesgue integral, convergence, LP spaces.

Prerequisite: Mathematics 411.

**450 Introduction to Functional Analysis (3)**

Normed linear spaces, operations, spectral theorems.

Prerequisite: Mathematics 315 and 411.

## MODERN LANGUAGES

### FRENCH

*The Major:* Twenty-four hours beyond intermediate French.

**103, 104 Elementary French (3,3)**

A study of grammar, composition, and pronunciation. Parallel reading from easy authors.

**209, 210 Intermediate French (3,3)**

Emphasis on reading, pronunciation, and composition; a review of grammar.

Courses beyond this level are open to students who have passed Intermediate French or have been exempted from it.

**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; a prerequisite.

**404 The Middle Ages (3)**

The beginning and development of French literature from the *Serment de Strasbourg* on. Material studied includes the *Chanson de Roland*, *Tristan et Iseult* and one or more of Chrétien 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, oratory art.

**407 The Eighteenth Century (3)**

The Enlightenment: Fontenelle, Montesquieu, Voltaire, Diderot, l'Encyclopedie, l'abbe 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 Mallarme.
- 409 Literature of the Nineteenth Century (3)**  
A continuation of French 305; Offered in alternate years.
- 410, 411 Twentieth Century French Literature (3,3)**  
The French Novel from 1900-1970. Emphasis will be on Gide, Proust, Mauriac, Malraux, Sartre, Camus and Robbe-Grillet.  
The second term is devoted to French poetry from Péguy to Michaux and French drama from Currel to Ionesco.
- 415, 416 Directed Reading (1-3)**  
Advanced study of French literature through reading and reports. Program to be arranged by consultation with departmental chairman.

## GERMAN

*The Major:* Thirty semester hours in German, including German 401 and German 402.

- 103, 104 Elementary German (3,3)**  
Training in pronunciation, grammatical forms, and syntax, with main emphasis upon ability to read simple German texts and to understand simple spoken German.
- 201, 202 Intermediate German (3,3)**  
A review of grammar and syntax, combined with careful translation of texts of increasing difficulty.
- 301 Advanced German (3)**  
Contemporary German literature. Reading of prose works of selected modern authors.  
Prerequisite: Intermediate German.
- 302 Advanced German (3)**  
A continuation of German 203.
- 303 Goethe's Faust. Erster Teil (3)**  
A detailed study of first part of Goethe's Faust, supplemented by lectures and outside reading.  
Prerequisite: Intermediate German.
- 304 Lyric Poetry (3)**  
Readings in German lyric poetry from Goethe to the present. Offered alternate years.
- 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 203 and 204.



- 406 Introduction to the Classical Literature of the Eighteenth Century (3)**  
A continuation of German 305.
- 407 Nineteenth Century Literature (3)**  
A survey of German literary developments from death of Goethe to close of the Nineteenth Century.  
Prerequisite: German 203 and 204.
- 408 Nineteenth Century Literature (3)**  
A continuation of German 307.  
Prerequisites: German 203 and 204.
- 409 Masters of Modern German Literature (3)**  
Reading and discussion of work of representative writers of the Twentieth Century. Offered alternate years.  
Prerequisite: Twenty-four semester hours of German.
- 410 Masters of Modern German Literature (3)**  
A continuation of German 401; a prerequisite. Offered alternate years.
- 415 Directed Study (1-3)**  
A reading course, designed to give a general survey of development of German literature.

## SPANISH

- 103, 104 Elementary Spanish (3,3)**  
Study of fundamental grammatical structures through intensive oral and written exercises. Emphasis on understanding, speaking and correct pronunciation. Introduction to reading.
- 203, 204 Intermediate Spanish (3,3)**  
Continued practice toward mastery of language structures through oral practice and composition. Readings of graded difficulty introduced.
- 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 102, or permission of the instructor.
- 302 Spanish Conversation and Compositions (3)**  
A continuation of Spanish 301.  
Prerequisite: Spanish 301 or permission of the instructor.
- 303 The Golden Age (3)**  
The Golden Age: Lope de Vega, Calderon, Cervantes, La Celestina.  
Prerequisite: Spanish 306, 307 or permission of the instructor.

- 305 Spain Enters the 20th Century (3)**  
The generations of 1898 and 1927 with special emphasis on Unamuno and Lorca and their impact on World literature.  
Prerequisite: Spanish 306, 307 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 101-102 or the equivalent.
- 307 Introduction to Spanish Literature (3)**  
Study of Spanish literature of nineteenth and twentieth centuries.
- 311 Spanish American Literature (3)**  
Latin American literature from its beginnings to the Spanish-American War.
- 312 Contemporary Spanish American Literature (3)**  
A continuation of Spanish 311.
- 401, 402 The Golden Age (3,3)**  
Emphasis is on the drama and the novel in the age of Lope de Vega, Calderon and Cervantes.
- 403, 404 Contemporary Literature in Spanish (3,3)**  
The poetry, the theater and the novel in the present-day Spanish-speaking world.
- 405, 406 Directed Reading (1-3, 1-3)**  
Advanced study under the direction of a member of the Spanish Faculty.

### 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, 321 French – Survey of French Literature (3,3)**  
The first term covers the origins of the French language and its literature through the seventeenth century. The second term covers the Enlightenment, the Nineteenth and Twentieth Centuries.
- 320 Russian – Modern Russian Literature (3)**  
Nineteenth and Twentieth Century masterpieces in translation, and their backgrounds.

### PHILOSOPHY

*The Major:* Thirty semester hours, which must include Philosophy 215 or 216; 301; 320 or 325; 490; and any three of the following: 220, 225, 230, 235.

- 101 Introduction to Philosophy (3)**  
An introduction to basic problems of philosophy based upon readings in the works of selected philosophers.

**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 an 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 to William of Ockam.

**230 History of Modern Philosophy: Erasmus Through Kant (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: Post-Kantian Idealists to the Present (3)**

An examination of some of the major philosophers and developments in philosophy from the post-Kantian idealists to the present.

**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.

**270 Medical Ethics (3)**

The application of ethical theories to the problems of medical practices. Topics considered include abortion, euthanasia, population control, genetic engineering and genetic counseling, health as a right or a privilege, behaviour control, death and dying, and medical experimentation with patients.

**280 Aesthetics (3)**

A philosophical study of beauty and of the creation, appreciation and criticism of works of art.

**285 Eastern Philosophy**

A study of the foundations of endemic Indian, Chinese and Japanese intellectual systems, including Hinduism, Buddhism, Confucianism, Taoism, Mohism, Legalism, Shintoism and related schools of belief.

*Prerequisite for work in courses numbered on the 300 to 400 level, three semester hours selected from the following: Philosophy 101, 220, 225, 230, 235 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 Existential Philosophy (3)**

A study of the philosophies of Kierkegaard, Nietzsche, Jaspers, Heidegger, Marcel, Sartre and others.

- 306 Analytic Philosophy (3)**  
A study of the philosophies of Moore, Russell, Ayer, Wittgenstein, Ryle and others.
- 307 Recent Ethics (3)**  
A study of recent work in ethical theory; topics will include the definitions of moral terms, the role of reason in ethics, the justification of moral theories and others.  
Prerequisite: Philosophy 301 or permission of instructor.
- 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 selected major political and social theories.
- 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.
- 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.
- 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 Independent Study (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 departmental approval of project.

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

Individually supervised readings and study of some philosophical work, problem or topic of the student's interest.

Prerequisite: Permission of instructor and departmental approval of project.

## PHYSICAL EDUCATION AND HEALTH

Courses in Physical Education may be taken for elective credit, but no more than eight semester hours may be applied toward a degree. However, students majoring in secondary education, who seek certification in physical education, may apply to the Dean of the College to have this restriction waived.

### PHYSICAL EDUCATION

**113 Team Sports (1)**

A course designed to teach techniques and skills in basketball, field hockey, softball, and volleyball. Activity classes meet two hours each week.

**114 Individual Sports (1)**

A course designed to teach techniques and skills in individual sports that have carryover value for later life. Badminton, bowling, golf, table tennis, and tennis are included. Activity classes meet two hours each week.

**103 Adapted Physical Education (1)**

An adaptive course in Physical Education for students who do not meet the requirements of regular physical education classes because of a handicap.

**104 Adapted Physical Education (1)**

A continuation of Physical Education 103, a prerequisite.

**105 Basketball and Volleyball (2)**

The history, theory, techniques, practice of skills, and rules of basketball and volleyball. Activity classes meet two hours each week. Lectures, one hour each week.

**106 Badminton and Tennis (2)**

The history, theory, techniques, practice of skills, and rules of badminton and tennis. Activity classes meet two hours each week. Lectures one hour each week.

**107 Beginning Swimming (2)**

A course designed to teach the non-swimmer how to swim. Emphasis on drown proofing and water safety. Four hours each week.

**108 Advanced Swimming (2)**

A course designed to improve swimming skills with emphasis on water safety, stroke mastery, lifesaving, and pool management and hygiene.

**109 Aerobics (2)**

The history, theory, and research that led to the development of the aerobics program of endurance fitness — with emphasis on the development of a lifetime program for the individual student. Activity periods meet two hours each week. Lectures, one hour each week.

**110 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. Required of students who plan to do advanced work in Physical Education. Activity classes meet two hours each week. Lectures, one hour each week.

**111 Fundamentals of Fitness, Physical Activity and Individual Sports (2)**

A continuation of Physical Education 110 with emphasis on individual sports that have lifetime application.

**201 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 this area. Lecture, two hours a week; supervised instruction, two hours a week. Enrollment limited to 12 students.

**202 Organization and Administration of Physical Education (3)**

A continuation of Physical Education 201, a prerequisite.

**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.

**301 Intramural Sports (3)**

The significance and meaning of intramural sports in secondary schools and colleges in the United States with supervised work in planning, promoting, scheduling, organizing, and directing individual and team sports. Supervised work four hours each week. Lectures, one hour each week.

Prerequisite: Permission of the instructor.

**302 Intramural Sports (3)**

A continuation of Physical Education 301.

Prerequisite: Permission of the instructor.

## HEALTH

*Note: Courses in Health are not subject to the eight-hour limitation that applies to physical education.*

**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 healthy attitudes towards sex; sex differences in sexuality; relating to the opposite sex; dating; mate selection; contraception; venereal diseases; illegitimacy; health preparation for marriage; emotional attitudes towards marriage; structure, function and problems of the human reproductive system; pre-marital planning; changing attitudes towards marriage; sexuality in marriage; physiology of the human sexual response; family planning; heredity; genetic counseling; genetic disorders; preparation for parenthood; pregnancy; prenatal care; problems of pregnancy; abortion; childbirth; birth defects; postnatal care; adoption; child care.

## 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 412; Mathematics 323 and 423.

*Bachelor of Arts.* Required courses are Physics 103, 104, 303, 306, 307, 401, 403, 405, 406, 412 and any additional three hours in Physics courses numbered 200 and higher; Mathematics 323 and 423. Chemistry 111-112 is 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.

**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.

- 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.
- 203 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.
- 204 Astronomy (4)**  
A continuation of Physics 203. Lectures, three hours per week; laboratory, three hours per week.
- 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.
- 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.
- 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.
- 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.
- 402 Classical Mechanics (3)**  
A continuation of Physics 401. Lectures, three hours per week.
- 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 continuing 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.

**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.

**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 super-conductive behavior in solids.

Prerequisite or corequisite: Physics 401.

**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 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 Political Science. Permission of instructor required.

**403 Seminar (3)**

Designed to review the basic trends, techniques and approaches in political science. Emphasis on micropolitics and macropolitics. Primarily for seniors majoring in Political Science.

## AMERICAN POLITICS

**104 State Governments (3)**

Institutions and behavior at state levels with emphasis on state legislatures, governors, judiciaries, state political parties, and urban politics.

**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.

**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.

**306 Legislative Process (3)**

Organization, procedures, and powers of legislative bodies in America and abroad, with emphasis on the United States Congress. Offered alternate years.

**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, politics, relationships and roles of executive institutions in the American Political System. Emphasis on the Presidency.

**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. Offered alternate years.

**320 Public Opinion (3)**

An analysis of the Techniques of propoganda and public opinion; emphasis on survey research methodology.

**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 The Urban Community (3)**

A survey of the theory and empirical studies of the distribution of power loci and elite patterns in the American urban community. Implications of these studies for decision making and policy making in the community are also explored.

**366 American Political Culture (3)**

Historical consideration of American political theory affecting legislative, judicial, and administrative processes. Offered alternate years.

**370 National Security Policy (3)**

An analysis of American security policies and strategies with emphasis on the operations and functions of the institutions involved.

**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. Lectures, 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. Stages of development, the role of ideology and instruments of power. Nazi Germany, Facist Italy and Soviet Russia and China will be given primary emphasis.

**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.

## 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 the 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. Lectures, 3 hours week.

**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.

**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. Lectures, 3 hours a week.

**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 of the present day, with primary emphasis upon Communism, Fascism, Authoritarianism, 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****301 Public Administration (3)**

An analysis of the basic principles, functions, and practices of public administration; emphasis on decision-making and bureaucratic behavior.

**302 Public Administration (3)**

A continuation of Political Science 301, which is prerequisite.

**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 I (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.

**322 Sensation and Perception (3)**

A study of the sense organs, their role in perception, and a consideration of other factors influencing perception.

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.

**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.

## 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 religions 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 201, 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

**201 Introductory Anthropology (3)**

A study of the major fields of anthropology, archaeology, ethnology, and linguistics.



- 202 Archaeology (3)**  
An introduction to basic theory and techniques of the reclamation of cultural remains.  
Prerequisite: Anth 201, 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.
- 310 Cultural Anthropology (3)**  
A study of human relations as affected by physical, biological, psychological, and cultural phenomena.  
Prerequisite: Anth 201, 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 201, Introduction to Anthropology or permission of the instructor.
- 312 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 201, Introduction to Anthropology or permission of the 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 201, 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 201, Introduction to Anthropology or permission of the instructor.
- 499 Seminar in Anthropology (1-3)**  
An overview of various theoretical areas of Anthropology, with stress on student research and methodology.  
Prerequisite: Anth 201, 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 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.
- 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.

**351 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.

**352 Human Ecology and Demograph (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.

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.

**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, History 203, Sociology 351, Business Administration 202, Urban Affairs 400, and twenty-seven hours in one of the following areas of concentration:

### 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 three areas of concentration: Urban Government and Politics, Urban Sociology, and Urban Administration.

- A. *Urban Government and Politics* (27 hours)  
*Political Science* (15 hours from this field)  
 104 State Government  
 224 Urban Problems  
 306 Legislative Process  
 319 Political Parties  
 320 Public Opinion and Propaganda

321 Ethnic Politics  
325 Urban Community  
366 American Political Culture  
420 Civil Liberties  
470 Urban Planning and Land Use Development

*Sociology* (12 hours from this field)

205 Social Problems  
341 Criminology  
342 Juvenile Delinquency  
354 Social Stratification  
357 Political Sociology

B. *Urban Sociology* (27 hours)

*Sociology* (15 hours from this field)

205 Social Problems  
341 Criminology  
342 Juvenile Delinquency  
343 Race and Ethnic Relations  
353 Sociology of Occupations and Professions  
354 Social Stratification  
357 Political Sociology  
355 Sociology of Education  
356 Sociology of Religion

*Political Science* (12 hours from this field)

224 Urban Problems  
319 Political Parties and Pressure Groups  
320 Public Opinion and Propaganda  
321 Ethnic Politics  
325 Urban Community  
366 American Political Culture  
420 Civil Liberties

C. *Urban Administration* (27 hours)

*Political Science* (12 or 15 hours)

224 Urban Problems  
301 Public Administration  
302 Public Administration  
305 Government and Business Relations  
325 Urban Community  
409 Government Finance  
470 Urban Planning

*Business Administration and Economics* (12 or 15 hours)

BA301 Management Concepts

BA304 Statistics

BA307 Personnel Management

BA401 Human Relations

BA406 Quantitative Methods and Decision-Making

BA409 Auditing Theory

ECO304 Labor Economics

ECO317 Microeconomic Analysis

ECO320 Managerial Economics

## 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 that section (now the center of the building) 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 Edward E. Towell Learning Resources Center, built in 1855, stands on the College Street 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 neo-classical characteristics of earlier buildings.

The Craig Union is situated directly across George Street from Harrison Randolph Hall. Facilities of this building include the student dining room, students' lounge, snack bar and games room.

Other campus buildings, many of them designated of historic significance by the Historic Charleston Foundation, are used for student activities, faculty offices, and class facilities.

### **Dormitory Facilities**

A dormitory for men accommodates 96 students, two to each room. Women students are housed in spacious dormitories on College Street, The Women's Residence Hall with facilities for 102 students and the Rutledge Rivers Apartments housing 103 students. Charleston motifs have been incorporated into the architecture of the four-story building. In addition several historic buildings have been restored and refurbished to accommodate women residents.

Additional dormitory space for men is available in the Athletic Center and other buildings renovated for the purpose.

Dormitory rooms are assigned on the basis of date of deposit payment by returning students and on the date of receipt of application for admission for new students.

All boarding students eat in the dining room on campus.

### **Textbooks**

Textbooks are available from the College Book Store, which is located at the corner of College and Calhoun Streets.

### **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. The new wings are under construction with completion expected in 1975. When completed the Library will house over 300,000 volumes.

The Library serves as a depository of the United States Government. Publications are regularly received from this source.

More than 200 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 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 collections 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 are taught at the laboratory.

Research space is used by the staff, advanced undergraduate students, biologists from the Marine Resources Division of the South Carolina Wildlife Resources Department, and biologists from the Federal Environmental Protection Agency. Students also serve as assistants in the courses and research programs.

#### **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 Office.

### The College of Charleston Foundation

The College of Charleston Foundation is established to provide support for students and 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

## Officers and Board of Directors

O. Johnson Small	President
Robert McCormick Figg	Honorary Chairman
Theodore B. Guerard	Vice President
Nancy W. Stevenson	Secretary
J. Floyd Tyler	Treasurer
Larry C. Davis	Assistant Treasurer

## BOARD OF DIRECTORS

John K. Addy  
W. L. Brinkley, Jr.  
Charles K. Cross  
Alexander C. Dick  
John Henry Dick  
Charles H. P. Duell  
Robert McC. Figg  
Wilmot K. Gibbs  
D. Walter Green  
John Grimball  
Theodore B. Guerard  
W. Elliott Hutson  
F. Mitchell Johnson

Rufus Barkley  
Allan C. Mustard  
Joseph P. Riley  
Bernard Puckhaber  
Willard A. Silcox  
O. Johnson Small  
Robert S. Small  
Theodore S. Stern  
Nancy W. Stevenson  
J. Floyd Tyler  
C. Hilburn Womble  
W. Kenneth Johnson

## 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 conveniences 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's parents or guardians.

#### Grading System

<i>Grade</i>		<i>Grade Points</i>
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. 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 temporary mark of X is reported for a student who 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.

### **Auditor**

An Auditor may attend a class at the College only with the approval of the professor. No credit can be earned for this work by examination or by registering for this course for credit at any future date.

### **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; at the completion of the academic year, a yearly

grade-point ratio is determined. 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 Enrolled Prior to Fall Semester, 1972*

To continue in the College, students enrolled and matriculant as degree candidates prior to the Fall Semester, 1972, must successfully complete at least the following amount of academic work:

First College Year: 6 semester hours each semester, and 12 semester hours for the year.

Each subsequent year: 9 semester hours each semester, and 18 semester hours for the year.

Students covered by this regulation whose performance in any semester is deficient by no more than 3 semester hours may remain in the College on academic probation for the following semester. During the semester of probation they must make up the deficiency of the previous semester and pass as well the requisite number of semester hours for the current semester, failing which they will be dismissed from the College for academic deficiency.

#### *Students Initially Admitted, or Readmitted, for the Fall Semester, 1972, and Thereafter*

Students whose initial admission, or whose readmission, was for the Fall Semester, 1972, and thereafter must pass nine semester hours each semester of the regular school year, and must achieve the following minimum grade point ratio:

Those classified as sophomores (having successfully completed 20-59 semester hours) must achieve a minimum grade point ratio of .9, both cumulative and for each semester, including work taken in the summer session.

Those classified as juniors (having successfully completed 60-89 semester hours) must achieve a minimum grade point ratio of 1.3, both cumulative and for the semester, including work taken in the summer session.

Those classified as seniors (having successfully completed 90 or more semester hours) must achieve a minimum grade

point ratio of 1.85, both cumulative and for the semester, including work taken in the summer session.

If in any semester there is deficiency 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 and 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
20-59	0.90
60-89	1.30
90 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 and his parents 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 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 is ineligible for readmission.

### **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.

### **Attendance**

Students are expected to attend regularly all class 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 instructor will notify the Dean when in his opinion a student has been absent excessively. Both excused and unexcused absences will enter into the instructor's judgement as



to what constitutes excessive absences. After a student is notified by the Dean of excessive absences, any additional unexcused absences incurred may be cause for being dropped from the course. The decision to drop the student for excessive absences will be made jointly by the Dean and the faculty member concerned in light of the instructor's written policy. The grade of record will be "WA," which is a failing grade. This policy will obtain for Summer School as well.

### **Leave of Absence**

Leave of absence from classes will be granted only for extended illness, special professional examinations, and official College business.

### **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 candidate for a degree is five courses; that is, at least fifteen class hours a week. He may enroll for more than fifteen semester hours only if he has taken and passed at least fifteen hours during the preceding semester. To enroll for more than eighteen semester hours requires special permission from the Dean, under any circumstances.

### **Four Year Honors**

Four-year honors are awarded to students who have achieved a grade point ratio of 3.6. To be eligible for four-year honors and class rank, the student must have done at the College of Charleston all 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 rolled 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 3.0 (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, and athletics. 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, literary societies, 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 appointed 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.

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 and cooperates in building a better College.

The Student Government Association is also responsible for the establishment of the Honor System at the College of Charleston which provides a standard to govern the daily conduct of members of the College community, encourage individual achievement, and stimulate greater feelings of trust and fairness in scholastic workmanship. The Honor System provides a medium to inform students of the rights and prerogatives guaranteed them as members of the College community, and also provides a tribunal of peers to try Honor Code violations. All students enrolling at the College are required to sign a pledge indicating they understand and will adhere to the Honor Code.

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 ten appointed representatives and is headed by the Entertainment Committee chairman, a student body officer. The Committee works to provide movies and other entertainment for the student body.

The oldest of the active literary societies at the College is the Crestomathic, 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.

Alpha Kappa Gamma is an honorary society of women students, recruiting its members from among those who have displayed high 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 Democats and the College Republicans are organizations devoted to involvement in politics. Membership is open to interested students.

The Sailing Club is open to all members of the student body, with sailing instruction available to novices.

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.

Eight 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, and colonies of Kappa Alpha Psi and Sigma Nu. The sororities are Chi Omega, Delta Delta Delta, Phi Mu, Zeta Tau Alpha, and a colony of Delta Sigma Theta. Local government of the fraternities and sororities are effected, respectively, by the Men's Interfraternity Council and the Women's Panhellenic Council.

### *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 at Commencement 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 male 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, 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 man 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 woman 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 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, and tennis.

Athletic grants-in-aid are offered in basketball, golf, and tennis.

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.

### **Athletic Association**

The Athletic Association promotes varsity and intramural activities at the College. Student officers of the Association, as an executive committee, are responsible for business management, along with various appointed representatives from the student body, and an advisor from the staff.

### **Facilities**

The Athletic Center is situated at the corner of Meeting and George Streets. The main floor, with a seating capacity of 1,200, 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, and weight lifting.

## 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 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; contributes to the Athletic Association of the College; sponsors the annual Letterman's Meeting; promotes alumni meetings in other areas; conducts an annual foreign tour; entertains annually for the senior class, for the past presidents of the Association, and for the members of the Board of Trustees; grants the Alumni Medal and the Graeser Memorial Award.

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 Affairs 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 Affairs. 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 or to the Vice President for Alumni Affairs. The corporate name of the association is the College of Charleston Alumni Association, Inc. and all money contributed to the Association is tax deductible.

## OFFICERS OF THE ASSOCIATION, 1973-74

President	Mrs. Wilmot Welch Gibbs, '38
President Elect	Willard A. Silcox, '33
Past President	Bernard F. Puckhaber '50
Vice President	Robert C. Heffron, Jr., '67
Vice President	Mrs. Joan Kilpatrick Moore, '57
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 Affairs and the following Committeemen:

Mrs. Elizabeth Furtwangler Ball, '41	Mrs. Milward Deas Pinckney, '51
Robert L. Bilton, '55 (Atlanta Area)	J. Kenneth Rentiers, '49
James B. Edwards, '50	Morris D. Rosen, '42
Bernard E. Ferrara, '44	Mrs. Helen McDowell Sanders, '36 (Columbia Area)
M. Stephenson Fowler, Jr., '61 (Pee Dee Area)	Gordan B. Stine, '44
Mrs. Rita Liddy Hollings, '57 (Washington Area)	E. Patricia Sullivan, '72
Mrs. Lynne Mohrmann King, '67	Mrs. Jean Aldous Thomas, '53
	Mrs. Ann Moore Webb, '39

## 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 Affairs, College of Charleston, Charleston, S. C. 29401.

## DEGREES CONFERRED May, 1973

### BACHELORS OF ARTS

Nancy Jean Amaker	David Olav Peter Moltke-Hansen, Honors
Francis LeJau Parker Barnwell	Mary-Frances Montano
Ellen Chasse Berry	Thomas Allen Moss
Dario Anthony Bini	William Wallace Mullen
Catherine Angela Blyth	Jerry Michael Norris
Michael Tommy Bolus	Janet Ector Pesavento
Sherral Yolanda Brown	James Arboth Pritchard
Dorothy Sams Gervais Carter	Daniel Ravenel, Jr.
James A. Carter	Melva Lynn Ray
William George Colbert	Michael E. Roberts
Anne Louise Doyle	Carroll Anthony Santos, III
Nicholas Francois duPont	Carolyn Hines Sawyer
Frances Danielle Fili	Elizabeth Hossley Schaefer
Dale Baynard Frampton	Patricia Lynne Seifert
Cheryl Ridd Fullerton	Theodore Edward Louis Shogry
Charleen Ackerman Hammond	Carol Brooks Smith
Tanya Trescott Harper	Edward Earl Smith, Jr.
Herndon Stevens Hasty	Joseph Eugene Stevenson, Jr.
Charles Samuel Hunt	Sara Glynn Suhrstedt
David Harold Jaffee	Joseph Robert Surface, <i>First Honor Graduate</i>
Elizabeth Marie Jones	William Franklin Taylor
Lawrence Michael Libater	Toni Parker Stewart Thompson
Nancy Ann Limehouse	John Franklin Vail
Arlinda Faye Locklear, <i>Honors</i>	James Craig Via, <i>Second Honor Graduate</i>
Eugene Randell McIntosh, III	Patricia Elizabeth Wear
Emily Coe McMahan	James Edna Wilcox
Michael D. Mercurio	Katherine Wyly

### BACHELORS OF SCIENCE

Dorothy Marilyn Skilling Andrews	Lynn Winfield Brown, Jr.
William Stanley Ashburne	William Duncan Burns
Sarah Hooe Ashton	James Alton Cannon, Jr.
James Frampton Baldwin, Jr.	David Martin Cedel
Charleen Gibbon Baxter	Michael Raymond Collie
Mary Catherine Bennett	Georgie-Anne Tyson Collins
Howard Del Bernstein	John Hugh McMaster Cox
Marie Lynne Besancon	Bruce Alan Daniels
Francis Marion Beylotte, II	Audrey Yvonne Dingle
Lois Ollie Branch	Christopher Daniel Donato
Charles Hilliard Scott Bridges	Mildred Cecile Etheredge, <i>Honors</i>
Kenneth Brown	Joel Wyman Frampton, Jr.

Artha Mae Freeman  
 Jan Victoria Garris  
 Otto Bernard German  
 Judy Ann Grooms, *Honors*  
 Olivia Marthena Guest  
 Mary Zipperer Hamilton  
 Ann Warren Long  
 Marcel André Lovelace  
 Thomas Nathaniel Lovern, II  
 Patricia Ruth Malone  
 Janet Clare Fluth McAnally  
 Debra Jeanne McConnell  
 Sandra Lynn McGinnis  
 John Bryce McLaulin  
 Patricia Maria Messervy  
 Jerry Lee Messex  
 Mary Elizabeth Palmer  
 Constantina Helen Panos  
 William John Patterson  
 Deborah Susan Peters  
 James Harrison Phillips  
 Eugenia Ann Pope  
 Roy Wilson Pound, Jr.  
 Ann Stock Rhett  
 Gloria Lestille Richbourg

Leon Gerard Runey  
 Nancy Eleanor Sharkey  
 Marion Richard Sigwald  
 E. Freeman Smith, *Honors*  
 Russell Estes Smith, III, *Honors*  
 Mary Ann Webb Stender  
 Cathy Anne Swaggerty  
 Charles Impey Thompson, III  
 Elizabeth Anne Van Lunen  
 Patricia Ann Rucker Vestal, *Honors*  
 Jeffrey L. Vilagos  
 Virginia Ruth Humbert  
 Linda Louise Jardine  
 Jeffrey Andrew Johnson  
 Daisy Jane Judy  
 Mark Dwain Kennedy  
 Voncile Joye Leopard  
 Sue Walton Walker  
 C. Wayne Waltz  
 Boyd Marion Ward  
 Barbara Jean Watson  
 Glenda H. Weber

## DEGREES CONFERRED September, 1973

### *BACHELORS OF ARTS*

Philip Jory Blacklocke  
 Randall Lee Clark  
 James Hord Finger

Arthur Walter Lewis  
 Stephen Charles Osborne  
 Paul William Pittard

### *BACHELORS OF SCIENCE*

Richard Dennis Baltzegar  
 Mary Jane Caldwell  
 Cynthia Jeanne Edwards  
 Jane Ellen Farrington  
 Renie Pappas Forsberg  
 Ava Luray Baker Gibson  
 Sarah Gudaitis  
 Catherine Louise Hendrix  
 Sylvia Cynthia Horlbeck  
 John Robert Jones

Stephen MacNeal  
 Susan Ellis Nesbitt  
 James William Pease  
 David Michael Rickey  
 Susan Elizabeth Rollins  
 Kathy Buckheister Sanderlin  
 Jacquelyn Stelling  
 Katherine Jean Barnes Sterling  
 Michael Thomas Watson

*BACHELOR OF SCIENCES WITH MEDICAL TECHNOLOGY*

Carolyn Faith Carlisle Lucas

**HONORS***SENIOR CLASS*

James Frampton Baldwin, Jr.  
 Lynn Winfield Brown, Jr.  
 Mildred Cecile Etheredge  
 Dale Baynard Frampton  
 Arlinda Faye Locklear  
 John Bryce McLaulin  
 Emily Coe McMahan  
 James Arboth Pritchard  
 E. Freeman Smith  
 Russell Estes Smith, III  
 Joseph Robert Surface  
 Elizabeth Anne Van Lunen  
 James Craig Via

*PRESIDENTIAL SCHOLARS**Class of 1974*

Ruth Ann Held  
 David Glenn Mazoral

*Class of 1975*

Robert Sowell Hegler  
 Michael Allan Johnson

*Class of 1976*

David Michael Hallman  
 Sarah Brennen Johnston

*THE ALUMNI MEDAL*

Dennis Joseph Encarnation, III

*THE FEDERATION OF WOMEN'S CLUBS  
 AMERICAN HISTORY PRIZE*

Ruth Ann Held

*THE WILLIAM MOULTRIE AMERICAN HISTORY CUP  
 REBECCA MOTTE CHAPTER, D.A.R.*

Michael Tommy Bolus

*THE GRAESER MEMORIAL AWARD*

Katherine Wyly

*THE C. NORWOOD HASTIE AWARD*

Theodore Edward Louis Shogry

*THE ALEXANDER CHAMBLISS CONNELLEY AWARD*

Sue Walton Walker

Katherine Wyly

*THE WILLARD AUGUSTUS SILCOX AWARD*

Kenneth Robert McGrory

*THE EDWARD EMERSON TOWELL SCIENTIFIC  
AWARD*

E. Freeman Smith

*THE BISHOP ROBERT SMITH AWARD*

Katherine Wyly

## INDEX

- Absences
  - from examinations, 130
  - excessive number of, 128-129
  - Leave of, 129
- Academic Probation, 127-128
- Administrative officers, 16
- Administrative regulations, 124-131
- Admission, 25-32
- Alumni Association, 138-139
- Anthropology, courses in, 112-113
- Astronomy, courses in, 104
- Athletics, 136-137
- Attendance, 128-129
  
- Bequests, 123
- Biology, courses in, 52-56
- Business Administration, courses in, 56-59
  
- Calendar, 5-7
- Chemistry, courses in, 60-64
- Class rank, 125
- Classics, courses in, 64-67
- College of Charleston
  - Foundation, 122-123
- Committee for Alumni Assistance, 139
- Computer Science, courses in, 67
  
- Degrees conferred, 1973, 140-143
- Degrees, requirements for, 41-51
- Dismissal or Academic Deficiency, 128
- Dropping of courses, 128
  
- Economics, courses in, 59-60
- Education, courses in, 67-73
- English, courses in, 73-76
- Evening session, 121
- Examinations
  - Absence from, 130
  - Physical, 32
- Extra courses, 130
  
- Faculty, 18-25
- Faculty Honors List, 130
- Fees and expenses, 33-35
- Fine Arts, courses in, 77-83
- Fraternities, 134
- French, courses in, 95-96
  
- Geology, courses in, 83-86
- German, courses in, 96-97
- Grades and reports, 124-125
- Greek, courses in, 64-65
  
- Health, courses in, 103
- History, courses in, 86-91
- Honor System, 129
- Honors, 130
- Honors, Departmental, 45
- Honors and prizes
  - awarded, 1973, 142-143
  
- Latin, courses in, 65-66
- Libraries, 120-121
- Library, courses in, 52
- Loan Funds, 40
  
- Majors, 42-43
- Mathematics, courses in, 91-95
- Minimum Degree Requirements, 43-44
- Minimum Scholastic Attainment, 126-127
  
- Non-degree students, 31
  
- Philosophy, courses in, 98-101
- Physical Education, courses in, 101-102
- Physical Examination, 32
- Physics, courses in, 103-105
- Political Science, courses in, 105-109
- Prizes, 134-135
- Pre-Professional Courses, 48-49
- Psychology, courses in, 110-112
- Publications, 132-133
  
- Religion, courses in, 112
- Religious societies, 133-134
- Requirements for admission, 26, 30-32
- Requirements for degrees, 41-51
  
- Scholarships, 36-38
- Semester hours, defined, 125
- Sociology, courses in, 113-116
- Sororities, 134
- Spanish, courses in, 97-98
- Student activities, 132-137
- Student Union, 119
- Summer Session, 121
  
- Teacher certification, 46-48
- Trustees, Board of, 14
- Tuition, 33
  
- Urban studies, courses in, 116-118