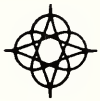
OGLETHORPE COLLEGE BULLETIN / 1968-1969 ARTS AND SCIENCES

VISITORS

We welcome visitors to the campus throughout the year. Those without appointments will find an administrative office open from 9:00 a.m. to 4:30 p.m. on weekdays and from 9 to 12 on Saturdays. Student guides will be available at these times, and also on Saturday and Sunday afternoons.

To be sure of seeing a particular officer, visitors are urged to make an appointment in advance. All of the offices of the College may be reached by calling Atlanta (Area Code 404), 231-1441.



CORRESPONDENCE

Letters of inquiry concerning the operation of the College should be addressed to Dr. Paul K. Vonk, President, Oglethorpe College, Atlanta, Georgia 30319.

Oglethorpe is a fully accredited, four-year college of arts and sciences under the standards of the Southern Association of Colleges and Schools, and is a member of the Association of American Colleges. It is also fully approved for teacher education by the Georgia State Department of Education.

Vol. 51 **February, 1968** **No. 1**

Published four times a year in September, October, November, December, by Oglethorpe College, 4484 Peachtree Road, N.E., Atlanta, Georgia 30319.

Second Class postage paid at Atlanta, Georgia

Oglethorpe College

Bulletin

Oglethorpe College

Bulletin

1968-1969

Founded 1835

Oglethorpe College

Atlanta, Georgia 30319

TABLE OF CONTENTS

College Calendar 6

The Oglethorpe Idea 9

History of Oglethorpe 11

Admission to the College 15
1. Application Information 15
2. Advanced Placement Program 16
3. College Level Testing Program 16
4. Transfer Students 18
5. Special and Transient Students 18
6. Application Procedure 18
7. Financial Assistance to Students 18

Academic Regulations 20

Student Life 25

College Residence Requirements 28

Financing 29

Withdrawals and Refunds 30

Placement Service 35

General Information 37
Semester System 37
Evening Program 37

Curriculum 38

General College Requirements 39

Majors Programs and Courses of Study 39
Behavioral Sciences 40
Business Administration and Economics 45
Education 52
Humanities 67
Science 76
Social Studies 89

The Faculty 95

The Administration 99

Board of Trustees 101

Index 104

COLLEGE CALENDAR

1968 Summer Term

May 6-May 10	Early Registration for Summer
May 27-June 1	Final Examinations
June 2	Commencement
June 7-8	Final Registration for 1st Summer Term
June 10	First Summer Term—classes begin
July 4-7	Holiday Period (classes close 4:00 p.m. July 3)
July 8	Classes resume—8:00 a.m.
July 12	First Summer Session ends
July 15-16	Registration for Second Summer Session
July 17	Second Summer Session begins
August 23	Second Summer Session ends

(Evening Division Term—One Session—June 10-August 23)

FALL SEMESTER 1968-69

September, 1968

September 18	Dormitories open (8:00 a.m. to 5:00 p.m.)
September 19-20	Orientation and Testing
September 20	Registration for Returning Students
September 21	Registration for New Students
September 23	Classes begin
September 26	Drop-and-Add Day
November 28	Thanksgiving (One day only—all classes meet through November 27, day and evening)
November 29	Classes resume
December 10-19	Students meet with Advisors for Spring scheduling
December 20	Christmas Holidays begin (All classes through December 19, Day and Evening, will meet as scheduled). ALL DORMITORIES CLOSED (10:00 a.m.)

January, 1969

January 6	Classes Resume, 8:00 a.m.
January 6-10	Early Registration for Spring term
January 24	Free Day
January 27-31	Final Examination Period

SPRING SEMESTER 1969

February 6	Dormitories Open for New Students (9:00 a.m. - 5:00 p.m.)
February 7	Registration for New Students
February 10	Classes begin
February 11	Oglethorpe Day (11:00 a.m.)
February 14	Drop and Add Day
March 29-April 6	Spring Holidays (All classes through March 28, Day and Evening, will meet as scheduled). Dormitories closed during this period beginning 10:00 a.m.
April 7	Classes resume
April 7-20	Students meet with Advisors for Summer and Fall scheduling
April 21-26	Early Registration for Summer and Fall semester 1969
May 22	Last Day Semester Classes
May 23	Free Day
May 26-30	Final Examination Period
June 1	Commencement

FIRST SUMMER TERM 1969

June 5	Dormitories open (9:00 a.m. - 5:00 p.m.)
June 6-7	Registration
June 9	Classes begin
July 3-6	Holidays, Classes end 5:00 p.m., July 3
July 7	Classes resume 8:00 a.m.
July 11	Session closes

SECOND SUMMER TERM 1969

July 14	Registration
July 16	Classes begin 8:00 a.m.
August 22	Session closes

FALL SEMESTER 1969

September, 1969

September 8	Dormitories open (9:00 a.m. - 5:00 p.m.)
September 9-10	Orientation
September 9	Registration for Returning Students
September 10	Registration for New Students
September 11	Classes begin
December 22	Semester ends. Dormitories 10:00 a.m.

THE OGLETHORPE IDEA

The Oglethorpe idea is to forge the strongest possible link between the "academic" and "practical," between "human understanding" and "know-how," between "culture" and "proficiency," between past and present. We are persuaded that there is ultimately no contradiction between the concepts represented in each of these usually divorced pairs.

There can be no basic disagreement among educators and laymen about the common elements of the student's real needs and interests. They are to learn as much as possible about the principles, forces, and laws influencing or governing Nature, including human nature and human associations; to learn to take account of these not only for their own sake but for growth, guidance and direction for himself and others; to express his deepest individuality in the work or calling most appropriate to his talents; and to discover his proper place, role, and function in the complex relationships of modern living.

Living should not be an escape from work. Education should therefore encompass the twin aims of making a life and making a living. But inescapably he is part and parcel of society. He fulfills himself by the measure in which he contributes to the happiness and progress of his fellows. Education, as an institution of society, has a social obligation. It cannot neglect either the individual or the community without damage to both. The social order at its best is best for the individual; the individual at his best is best for society. The business of education is to strive for this optimum.

What difference should an education make? There are people, deficient in formal schooling, who are happy and useful. They understand and get along well with their neighbors. They are an influence for good in their community and earn a living by honest effort. Any truly educated man displays the same traits. The difference is in degree rather than kind.

Whereas it is usual for people to understand their fellows, how much wider should be the sympathies of the educated man! His contacts go beyond the living and embrace the seers of all the ages, who as his companions should inform his mind and enlarge his vision.

Never before have people been so alive to the necessity of mastering rather than being mastered by the economic and scientific forces at work in our world. Creative brains and individual initiative, tempered by a strong sense of social responsibility, are the only sources of payrolls compatible with a free society, and improving living standard, and a better way of life. Where else can we look for this creative urge other than to adequate education of qualified talent!

We make no claim that formal education inevitably bestows these benefits. We insist that it can. If that be true, how may the mark be reached? We shall always have to remind ourselves as teachers that education is a difficult art. The pitfalls we would shun are hard to escape. Of all people, the teacher must remain the most teachable. The quest for wisdom is never-ending. We, too, must continually grow in order to stimulate growth in those who come to us to learn. We shall also have to remind ourselves that subjects are merely the means; the objects of instruction are the persons taught. We must be forever mindful that education, in order to be true to itself, must be a progressive experience for the learner, in which interest gives rise to inquiry, inquiry is pursued to mastery, and mastery at one point occasions new interests in others. The cycle is never closed, but is a spiral which always returns upon itself at some higher level of insight. Growth in everything which is human must remain the dominant objective for the individual and for society.

We therefore stand for a program of studies which makes sense from first to last, which hangs together, and which promotes this desired result. Not only in vocational training but also in the education of the human personality, the materials of instruction must have a beginning, point in a definite direction, and prepare for all that ensues. We necessarily make provision for and give scope to diversified talents in preparation for varied careers. But this much we all have in common: each man has to live with himself and all have to live with their fellows. Living in community, with human understanding, involves arts in which we are all equally concerned.

HISTORY OF OGLETHORPE COLLEGE

Oglethorpe's history dates back to 1835 when a group of Georgia Presbyterians, influenced by the example of Princeton University, secured a charter for the operation of a church-supported university in the academic pattern of the nineteenth century. Actual operations commenced in 1838 at Midway, a small community near Milledgeville, at that time the capitol of the state.

For nearly three decades after its founding, the university steadily grew in stature and influence. Its president during most of that time, Samuel K. Talmage, provided gifted leadership and, at the same time, gathered about him a faculty of unusual ability, at least two of whom would achieve real distinction: James Woodrow, an uncle of Woodrow Wilson and the first teacher in Georgia to hold the Ph.D., and Joseph LeConte, destined to world fame for his work in the field of geology.

Oglethorpe alumni went forth in those years to play roles of importance in various fields. Perhaps the best-known of her graduates was the poet Sidney Lanier, a member of the Class of 1860, who remarked shortly before his death that the greatest intellectual impulse of his life had come to him during his college days at Oglethorpe.

But the life and service of the school were suddenly cut short in the 1860's as Oglethorpe became a casualty of war. Her students marched away to become Confederate soldiers; her endowment at length was lost in Confederate bonds; her buildings were converted to military use as a barracks and hospital. In a sense, her fate became bound up with that of the Lost Cause.

After the close of the conflict an effort was made to revive the institution, first at Midway and then by re-location in Atlanta. However, the ravages of war, together with the dislocations of Reconstruction, posed obstacles too great to overcome, and in 1872 Oglethorpe closed its doors for a second, and seemingly final, time.

But three decades later, thanks largely to the determined energy and vision of Dr. Thornwell Jacobs, the school was revived, chartered in 1913, and moved to its present location on the northern edge of metropolitan Atlanta. The cornerstone of the first

building was laid in 1915 in a ceremony witnessed by members of the classes of 1860 and 1861; symbolically, thus, the old and the new were linked.

From then until his resignation in 1944, President Jacobs became and remained the guiding spirit of the endeavor. He developed a number of ideas and enterprises which brought national, and even international, recognition to the school. Most notable among these were the establishment of a campus radio station as early as 1931, and the completion in 1940 of the Crypt of Civilization to preserve for posterity a cross-section of twentieth-century life.

Still a new era opened in the history of Oglethorpe in 1944 when Dr. Philip Weltner assumed the presidency and, with a group of faculty associates, initiated a new and exciting approach to undergraduate education called the "Oglethorpe Idea." As described more fully in the preceding section, the new departure was founded on the conviction that education should encompass the twin aims of making a life and making a living, and that toward these ends a program of studies should be developed which made sense from first to last and which meaningfully hung together.

The last twenty years of Oglethorpe's history have revolved around the central issue of finding more effective means of answering the challenge posed by these fundamental purposes. At the same time, though the College remains sympathetic toward all religions and encourages its students to affiliate with a local church of their own choosing or synagogue, all formal support from church bodies was discontinued. Today Oglethorpe stands as a wholly private and non-sectarian institution of higher learning.

In 1965 began still another chapter in the history of the school. As part of its steadfast aim to become "a small college, superlatively good," the institution formally changed its name from Oglethorpe University to Oglethorpe College—a change more precisely reflecting its nature as well as its purposes.

The College has also developed a program of physical expansion to keep pace with its academic growth. Construction of new dormitories and a new student union building will open in the spring of 1968. The new complex is designed not only to add additional space to campus facilities but also to blend architecturally with the existing pattern of buildings on the campus.

To all of this, it may be finally added, Oglethorpe enjoys the great asset of location in Atlanta—one of the great metropolitan centers of the South and one of the most rapidly developing in the nation. A city blending the graciousness of the Old South with the social progress of the New, Atlanta is a key center of transportation for the entire Southeast, with excellent service by air, rail, and bus; it is also a hub of the modern highway system being built through the region. With a metropolitan population of well over a million, an ideal location in the foothills of the Blue Ridge Mountains, and a temperate climate throughout the year, the city offers many attractions and cultural opportunities to the Oglethorpe undergraduate as a part of his whole development.

ADMISSION TO THE COLLEGE

APPLICATION FOR ADMISSION

Throughout its history, Oglethorpe has welcomed students from all sections of this country as well as from abroad as candidates for degrees. It is the policy of the Admissions Committee to select for admission to the College those applicants who present the strongest evidence of purpose, maturity, scholastic ability, and potential for the caliber of college work expected at Oglethorpe. In making its judgments, the Committee considers the nature of the student's high school program, his grades, the recommendations of his counsellors and teachers, and his scores on aptitude tests.

The candidate for admission as a freshman must present a satisfactory high-school program which includes as a minimum four units in English, three in mathematics and/or science, and three in social studies (except that a fourth unit in mathematics and/or science may be substituted for one in social studies). In addition, he must submit satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board. (Scores of the Florida and Iowa State Tests will be acceptable if the applicant has taken one of these as a result of statewide policy; also, scores of the American College Testing Program may be used by those unable to present scores on the SAT.)

It is to the applicant's advantage to take the Scholastic Aptitude Test as early as possible during his senior year in high school. Details concerning the program can be obtained from high school counsellors, or by writing the College Entrance Examination Board, Box 592, Princeton, N. J. 08540.

The Oglethorpe application form contains a list of the materials which must be submitted by the applicant. No application can be considered and acted upon until all the items indicated have been received. Applications will be considered in order of completion, and the applicant will be notified of the decision of the Committee on Admissions as soon as action has been taken.

Though the exact date will vary from semester to semester, generally the deadline by which admissions will be closed will be announced by the College.

ADVANCED PLACEMENT PROGRAM

The College invites and urges those students who have taken the Advanced Placement examinations of the College Entrance Examination Board to submit their scores for possible consideration toward college credit. The general policy of Oglethorpe toward such scores is the following: academic credit will be given in the appropriate area to students presenting Advanced Placement grades of 4 or 5; exemption but not credit will be given in the appropriate area from basic courses for students presenting a grade of 3; neither credit nor exemption will be given for grades of 1 or 2; maximum credit to be allowed to any student for Advanced Placement scores will be thirty semester hours.

COLLEGE LEVEL TESTING PROGRAM

The tests are administered by centers across the nation under the control of the College Entrance Examination Board, Box 592, Princeton, New Jersey, 08540. At present, examinations are given in:

General Examinations	Subject Examinations
English Composition	American Government
Humanities	Analysis of Literature
Mathematics	English Composition
Natural Sciences	General Chemistry
Social Sciences	Introductory Calculus
	Introductory Economics
	Introductory Sociology
	Tests and Measurements
	Western Civilization
	Educational Psychology*
	History of American Education
	Marketing
	Money and Banking
	Statistics

Examinations scores above the norms established will benefit the student in two ways: 1. Credit to the number of hours normally granted in the course will be given, and 2. Course requirements where they exist for these courses will be fulfilled.

*Available April, 1968.

TRANSFER STUDENTS

Applicants for transfer from other recognized institutions of higher learning are welcomed at Oglethorpe, provided they are in good standing at the institution last attended. They are expected to follow regular admissions procedures and will be notified of the decision of the Admissions Committee in the regular way.

SPECIAL AND TRANSIENT STUDENTS

In addition to regular students, a limited number of special and transient students will be accepted.

Special students are defined by the College as those not working toward an Oglethorpe degree; they are limited to a maximum of five semester courses, after which they must apply for a change of status to that of regular student or be requested to withdraw from the College.

Transient students may take a maximum of two semesters of work here, provided that they secure a letter from the dean of their original institution certifying that they are in good standing there and that the original institution will accept for transfer credit the academic work done by the student at Oglethorpe.

APPLICATION PROCEDURE

All correspondence concerning admissions should be addressed to the Director of Admissions, Oglethorpe College, Atlanta, Georgia. After receiving the application form, the applicant should fill it out and return it with an application fee of $20; this fee is not refundable.

FINANCIAL ASSISTANCE TO STUDENTS

Oglethorpe offers the worthy student many opportunities for obtaining assistance in financing his undergraduate education. These opportunities are provided under conditions which give a reasonable guarantee to the applicants and the College that they will go to those persons best able to benefit from them.

The many sources of revenue made available to the Scholarship and Loan Committee include the Lowry Memorial Scholarship Fund, the National Defense Student Loan Program, the United Student Aid Loan Fund, the Educational Opportunity Grants, the Una Rivers Grants-in-Aid Fund, the L. "Pop" Crowe

Memorial Loan Fund, and the Athletic Grants-in-Aid Program. Additionally, Oglethorpe participates in the Federal College Work Study Program.

Beginning July 1, Oglethorpe will participate in the Educational Opportunities Grant up to one-half of cost for those in extreme need.

Oglethorpe also has available loans at small interest rates through two educational loan institutions: the Tuition Plan, Inc., and Educational Funds, Inc. These plans enable parents to pay for tuition and other academic fees on a monthly basis.

Other funds are made available to the Committee by interested persons, groups, and business firms from time to time.

Except in the case of loans, all assistance funds are granted by the Committee as outright gifts to the student in the form of credits entered on the semester bills of the College.

For further information, contact Audray Heath, Director, Student Aid and Placement Office, Oglethorpe College.

ACADEMIC REGULATIONS

CLASS ATTENDANCE

The College recognizes attendance at classes as the responsibility of the student. Students are held accountable for all work missed. The exact nature of absence regulations is determined by each instructor for his own courses. Such regulations are published and distributed by course professor at the beginning of each term.

GRADES

At Oglethorpe, the letter grade system of grading is used. The range of A-D represents passing work; any grade below D is regarded as a failure. Students withdrawing from a course before the end of the semester are given a "W" or a "WF", depending upon the circumstances of the withdrawal. Students who do not meet all the requirements of a given course are given an "I" for incomplete at the end of the semester; if the requirements are met within 10 weeks of the next enrolled term, the "I" is replaced by a regular grade; if they are not met within this time, the grade automatically becomes an "F". Grade structure and quality points are as follows:

A	Superior	4.0
B	Good	3.0
C	Satisfactory	2.0
D	Passing	1.0
F	Failure	0.0
FA	Failure: Excessive absences	0.0
W	Withdrawn	0.0
WF	Withdrawn Failing	0.0
I	Incomplete	0.0
P	Passing (used in Physical Education and student teaching.)	

MINIMUM ACADEMIC AVERAGE

Though the grade of D is regarded as passing, the College believes that students, in order to graduate, must exhibit more ability than that required by the lowest passing mark. Therefore,

a student, in order to graduate from Oglethorpe, must compile an over-all minimum average of 2.0. No student will be allowed to graduate unless this minimum is met.

For the student's own welfare, a graduated system of minimum averages has been established. Freshmen are required to maintain a cumulative average of at least 1.7 in their course work; sophomores of at least 1.9, and juniors and seniors of at least 2.0.

GRADUATION REQUIREMENTS

Minimum requirements for graduation consist of the following: forty semester courses (or their equivalent for transfer students) totaling at least 123 hours; a cumulative grade average of at least 2.0, at least two semesters of physical education (unless exempted by the Academic Dean); and the last four semesters to be spent as a registered student at Oglethorpe. Graduate Record Examination (GRE) must also be completed in all three sections prior to graduation. All graduating Seniors must file application for diploma with the College Registrar.

DEGREES

Oglethorpe offers three degrees to those meeting the necessary requirements: Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Medical Technology. Under the Bachelor of Arts, majors programs are offered in the following areas: Business Administration, Economics, Elementary Education, Secondary Education (with concentrations available in English, French, General Studies, Mathematics, Science, and Social Studies), English, French, History, Philosophy, Political Studies, Psychology, and Sociology.

Under the Bachelor of Science, majors programs are offered in the following areas: Biology, Chemistry, Mathematics, and Physics.

Under certain conditions, it is also possible for a student to receive a degree from Oglethorpe under "professional option." Through this arrangement and in accord with regulations of the College, the student may transfer to a recognized professional instiution—such as law school, dental school, or medical school —at the end of his junior year and then, after one year in the professional school, receive his degree from Oglethorpe. Students interested in this possibility should consult closely with their advisors to make certain that all conditions are met.

PROBATION AND DISMISSAL

Freshmen who fail to maintain a cumulative average of at least 1.7, sophomores of at least 1.9, and juniors and seniors of at least 2.0 are placed on probation for the following term. If during that term they do not substantially improve their scholastic average, they will be dismissed from the College.

First semester freshmen receiving grades of less than D in all subjects will be dismissed, as will students in the sophomore, junior, and senior classes who fail to maintain at least a 1.0 cumulative average.

All students on Academic Probation at the end of the spring semester must attend at least one session of summer school unless exempted for cause by the Dean of the College.

STUDENTS CLASSIFICATION

For administrative and other official and extra-official purposes, students are classified according to the number of semester hours successfully completed. Classification is as follows:

0—30 hours	—Freshman	61-90—Junior
31—60 hours	—Sophomore	91 above—Senior

NORMAL ACADEMIC LOAD

A normal academic program at Oglethorpe consists of no less than four courses each semester, giving the student generally a total of ten to seventeen semester hours each term. Regular students in the day classes are expected to carry a normal load and to pay for a full schedule of courses. No provisions exist in the college for payment of reduced load except transient and night students.

THE DEAN'S LIST

Students who earn a minimum average of 3.3 or better in any given semester for an academic load of at least five courses are given the distinction of being placed on the Dean's List.

DEGREES WITH HONORS

Degrees with honors are awarded as follows: for a cumulative average of 3.50, the degree *cum laude;* for a cumulative average 3.75, the degree *magna cum laude;* for a cumulative average of 4.0, the degree *summa cum laude.* No grade in any course can be lower than 2.0.

HONORS ORGANIZATIONS

Phi Society: The Phi Society is a Freshman Honor Society recognizing those Freshmen who have achieved high academic performance during their first year of study.

Membership selection is made in the third week of October each year. Any full-time student who has earned a 3.25 accumulative average in his freshman year and having no more than three courses with a grade of "C" is eligible for membership.

STUDENT LIFE

ORIENTATION

At the beginning of each semester new students will be involved in an orientation program, under the general supervision of the Dean of Students. Orientation activities are planned to introduce the student to both academic and social life at Oglethorpe. Orientation group leaders from among the upperclassmen serve as guides and counsellors during the period. Following orientation, the student is then assigned to a faculty advisor who aids him in planning his academic program.

STANDARDS OF PERSONAL DRESS AND GROOMING

Each individual has the freedom to dress and groom as he chooses, and to select the school of his choice; however, these freedoms are not without their responsibilities and consequences.

Institutions of higher education have their own personalities; hence, they have the freedom to select the standards they want for students who voluntarily elect to attend. When a student voluntarily elects to attend Oglethorpe College, a private institution, he represents not only himself but also the student body, the College, and in some measure, the community in which the College has such deep roots.

The College takes the position that all students are expected to dress and groom as mature, responsible adults, as ladies and gentlemen. Dress and grooming are expected to be appropriate to the occasion and in keeping with the positions of leadership and responsibility in society.

Individuals who are unwilling to meet high standards of dress and grooming should not apply to Oglethorpe College for admission.

Students who avoid these high standards or who deliberately ignore them, either directly or indirectly, shall be terminated from the College immediately.

STUDENT HEALTH SERVICES

All full-time day students are required to subscribe to the Student Health and Insurance Plan provided by the College, unless married or residing with parents.

The College maintains a small campus infirmary staffed by a registered nurse. The infirmary operates on a regular schedule, and provides basic first aid service and limited medical assistance for students covered by the student insurance plan.

A physician visits the infirmary periodically to make general diagnosis and treatment. In the event additional or major medical care is required, the student patient will be referred to medical specialists and hospitals in the area with which the health service maintains a working relationship.

When it is determined that a student's physical or emotional health is detrimental to his academic studies, group-living situation, or other relationships at the College or in the community, he will be requested to withdraw. Re-admission to the College will be contingent upon acceptable verification that the student is ready to return. The final decision will rest with the College.

STANDARDS OF PERSONAL CONDUCT AND RESPONSIBILITY: THE ROLE OF THE COLLEGE AND THE STUDENT

Oglethorpe College takes the position that it is deeply concerned with the total development of the individual as a competent student and as a highly responsible citizen both on the campus and in the community. The College's high standards of personal conduct and responsibility are an expression of its confidence in each student's potential as a human being; however, each student must be as willing to accept adult consequences as he is insistent upon being granted adult freedom of decision and action.

Unfortunately, neither knowledge and wisdom nor knowledge and integrity are synonomous; therefore, a firm grasp of academic studies will not in itself be an assurance that a student is profiting fully from his college experience.

Individuals who do not desire to accept either this view of the College's responsibility or its high standards should not apply to the College for admission. Accepted students who demonstrate their unwillingness to meet high standards will be terminated from the College.

EXTRA-CURRICULAR ACTIVITIES

Valuable educational experiences may be gained through active participation in approved campus activities and organizations. All students are encouraged to participate in one or more organi-

zations and to the extent that such involvement does not deter them from high academic achievement. Majors are especially encouraged to join professional organizations associated with their interests and goals.

Information concerning College activities and organizations is contained in the Oglethorpe College Student Handbook.

HONOR SYSTEM

At Oglethorpe the Honor System is an integral part of college life. Students are on their honor to respect the regulations of the College and to abide by the provisions of the Honor Code. The Honor System is supervised by a student Honor Council, acting with the counsel of a faculty advisor.

FRATERNITIES AND SORORITIES

College social fraternities and sororities were reinstituted in the College in 1967. At present, seven local chapters exist with several of them in colony status with national social fraternities. These social organizations contribute substantially to the spiritual and social betterment of the member and develop college into a richer, fuller experience. Membership in these organizations is voluntary and subject to regulations imposed by the groups, by the College Interfraternity Council, or by the Student Government Association.

ATHLETICS

In addition to a well-rounded program of intramural sports, intercollegiate competition is carried on in soccer, basketball, tennis, baseball, and rifle and pistol shooting. Students with athletic skills are invited and urged to participate in any of these.

COLLEGE RESIDENCE REQUIREMENTS

Ability and willingness to room and board in College-operated facilities are conditions of acceptance and/or continued attendance. Freshmen, sophomores, juniors and seniors, in that order, are required to room and board to the extent that spaces are available.

Exceptions:

1. Married students
2. Students residing with *parents* in Atlanta and the surrounding area.

RECALL OF STUDENTS EXCUSED TO RESIDE OFF CAMPUS

When spaces are insufficient to house all students, seniors and juniors, in that order, will be eligible to reside off campus under one of the following provisions:

1. Subject to recall to the campus as soon as a vacancy occurs.
2. Subject to recall at the end of the off-campus rental period or within 15 days, whichever is sooner.
3. Subject to recall at the end of the semester.

BOARDING REQUIREMENTS

All resident students are required to board whether initially assigned to the residence halls or recalled to the campus. Exceptions or adjustments will not be granted for personal, religious, medical, or employment reasons.

The semester boarding charge covers the period from the day following regular registration through lunch of the day following the last day of final examinations. The boarding charge includes Thanksgiving vacation, but does not include Christmas vacation and Spring recess. Resident seniors whose names appear on the Registrar's official June graduation list are entitled to board through lunch of the day following graduation.

During periods not covered by the boarding fee, students may use the cafeteria on a cash basis. Students are urged to review the College Calendar in order to anticipate their food and other expenses during interim periods.

FINANCING

Students and parents desiring to pay expenses in installments are advised to investigate the Educational Funds, Inc., plan, 10 Dorrance Street, Providence, Rhode Island; United Student Aid Funds, Inc.; National Defense Education Act Loan Funds; private banking or other sources. Information may be secured by writing to the Student Financial Aids Officer, Oglethorpe College. Continuing students should complete all arrangements for meeting College requirements well in advance of registration so that they will not be delayed.

All balances and new charges are payable at registration. Failure to make the necessary payments at registration may cause

the student to lose his place in the College. Students employing Educational Funds, Inc., or any other source of funds, are not exempted from paying deposits by the deadline dates specified in the College Bulletin.

Continuing students are not permitted to register until all previous debts have been cleared with the Business Office. Grades, transcripts, and diplomas are withheld until all accounts, including institutional damages and fines, are paid in full.

Students should have sufficient funds to purchase books and supplies directly from the bookstore.

WITHDRAWALS AND REFUNDS

Students who find it necessary to drop courses or change courses must secure an approved drop slip from the Registrar and present it to the Business Office for appropriate action.

Boarding students suspended from the cafeteria, College Center, or other facilities or activities, are not entitled to refunds or credits for the period of such suspension. Refunds on all involuntary and voluntary withdrawals will be made, of course, subject to the conditions of the voluntary tuition insurance plan which the student may elect to take.

Refunds under the Tuition Refund Plan may be withheld until the student identification card is surrendered to the Business Office. Keys and other College property must also be returned prior to the issuance of refunds.

FINANCING

The applicant upon receipt of notice of acceptance, should forward an advance deposit of $200 by the date specified in the acceptance letter. This deposit will apply against the total charges at the time the student registers for classes. It is not refundable. Continuing students are required to pay $200 advance deposit at the time of early registration for the fall term. If not done at this time, payment is required prior to registration in the Fall Semester. Registration is therefore contingent upon the deposit being paid.

FEES AND COSTS

To affect the economy of efficiency and to avoid inconvenience to both parents and students by assessing and collecting numerous separate fees, Oglethorpe has adopted the policy of charging one comprehensive fee to include in so far as possible the entire cost of attending Oglethorpe College for a full academic year (two semesters). The Comprehensive Fee is as follows:

Resident Students	$2,352
Non-resident Students	$1,702
Non-residents Metro-Atlanta Students*	$1,302

For students living on campus, the comprehensive fee covers the cost of tuition, laboratory fees, room, board, activities, institutional fees, personal evaluation and placement, and testing and counselling. These same items, with the exception of room and board, are also included in the comprehensive fee for students not residing on campus. The cost of books, however, is not included in the comprehensive fee.

*Metro-Atlanta includes the five counties of Clayton, Cobb, DeKalb, Fulton, and Gwinnett.

The only standard charges not included in the Comprehensive Fee are the following:

1. Student Health Insurance: Health insurance is handled separately since it is deductible on personal income tax returns. The cost is approximately $28.00 per year.
2. Tuition Refund Insurance: Tuition Refund Insurance is optional. With it, the student or parent is assured the contracted amount of refund of charges whether a student withdraws voluntarily or involuntarily. Evening, part time, and transient students are not eligible for coverage under this plan. No other provision for refunds exists.

The first payment of the Comprehensive Fee, after the $200 deposit has been credited, is due when the student registers for the Fall Semester. The second payment is due when the student registers for the Spring Semester. The payment schedule is as follows:

	Resident Student	Non-Resident Student	Non-Resident Metro-Atlanta Student
Advance Deposit	$ 200	$200	$200
Payment 1	1,176*	851*	595*
Payment 2	976	651	507
	$2,352	$1,702	$1,302

Newly constructed residence halls and single rooms will result in slight increases in comprehensive fees for residents.

EVENING AND PART-TIME STUDENT CHARGES

Students who are enrolled as evening, part-time, or other than full-time students will be charged on a credit hour basis as follows:

CREDIT HOURS	COST
3	$110
4	148
5	185
6	220
7	258
8	295
9	330

THE "O" BOOK

This is the student handbook prepared annually by the Student Council of Oglethorpe as a service to new students. It contains a great variety of helpful information designed to acquaint the student with all significant phases of college life at Oglethorpe.

*Also applicable to students who enter in Spring Semester.

FINE ARTS FESTIVAL

Oglethorpe's Fine Arts Series brings to the campus a varied and balanced program which stresses human enjoyment of artistic excellence. This variety includes music, drama, literature, the film, and the dance, as well as the graphic arts. The programs are designed to acquaint the student with the range of the arts as well as with the individual forms. The movies, for example, are chosen from among those film classics which are not currently available in the commercial theatre, and they reveal not only the high points of the film art but also its range and variety. In dance, music, and literature, the program brings to the campus individuals and groups chosen from outstanding living artists. There is no admission charge to any of these programs.

In addition to the Fine Arts Series itself, the Faculty and Student Fine Arts Committee offers $250 in prizes to encourage the

student himself to explore the arts and to reward student achievement in this area. For music, $100 in cash prizes is given annually; for poetry, $50; for short fiction, $50; and for painting, $50. The prize poems and short stories, and when possible prize paintings, are published in *Prospect,* the Oglethorpe literary magazine.

AWARDS

Each year a number of awards and prizes are given to the students. Among them are the following.

The Faculty Scholarship Award: This is made annually to the male student with the highest scholastic average in his junior and senior years.

The Sally Hull Weltner Award for Scholarship: This is presented each year by the Oglethorpe College Woman's Club to the woman student with the highest scholastic record in her junior and senior years.

The James Edward Oglethorpe Awards for Merit: Commonly called the "Oglethorpe Cups", these are presented annually to the man and woman in the graduating class who have been the leaders in both scholarship and service at Oglethorpe College.

The David Hesse Memorial Award: This award is made annually to the outstanding student participating in a varsity sport.

The Parker Law Prize: This is an annual award made to that member of the class in Business Law who has shown the greatest progress.

The LeConte Society Award: This award is made by the LeConte Society to the outstanding graduating senior in the field of science on that basis of the student's scholastic achievement and contribution to the College and to the Science Division.

The Duchess Club and the Boar's Head Awards for Freshmen: These are awards made by these honorary societies to that young man and woman in the freshman class who most fully exemplify the ideals of those organizations.

The Brinker Award: This award is presented by Reverend Albert J. Brinker in memory of his son and daughter, Albert Jan Brinker, Jr. and Sally Stone Brinker, to the student having the highest achievement in the courses in philosophy and religion.

The Yamacraw Awards: These are designed to recognize those students who are outstanding members of the Oglethorpe community; eight of these awards are given on the basis of spirit, participation, academic achievement, and fulfillment of the ideals of an Oglethorpe education.

Who's Who in American Colleges and Universities: This honor is given in recognition of the merit and accomplishments of students who are formally recommended by the Student Government and the Faculty Council, and who meet the requirements of the publication *Who's Who in American Colleges and Universities.*

The MacConnell Award: This award is presented by the sophomore class to the senior who, in the judgment of the class, has participated in many phases of campus life without having received full recognition.

The Chemical Rubber Publishing Company Awards: These are given each year to those students who demonstrate outstanding achievements in the various freshman science courses.

The Players' Awards: These awards are presented to those members of the student body who show excellence in the field of drama.

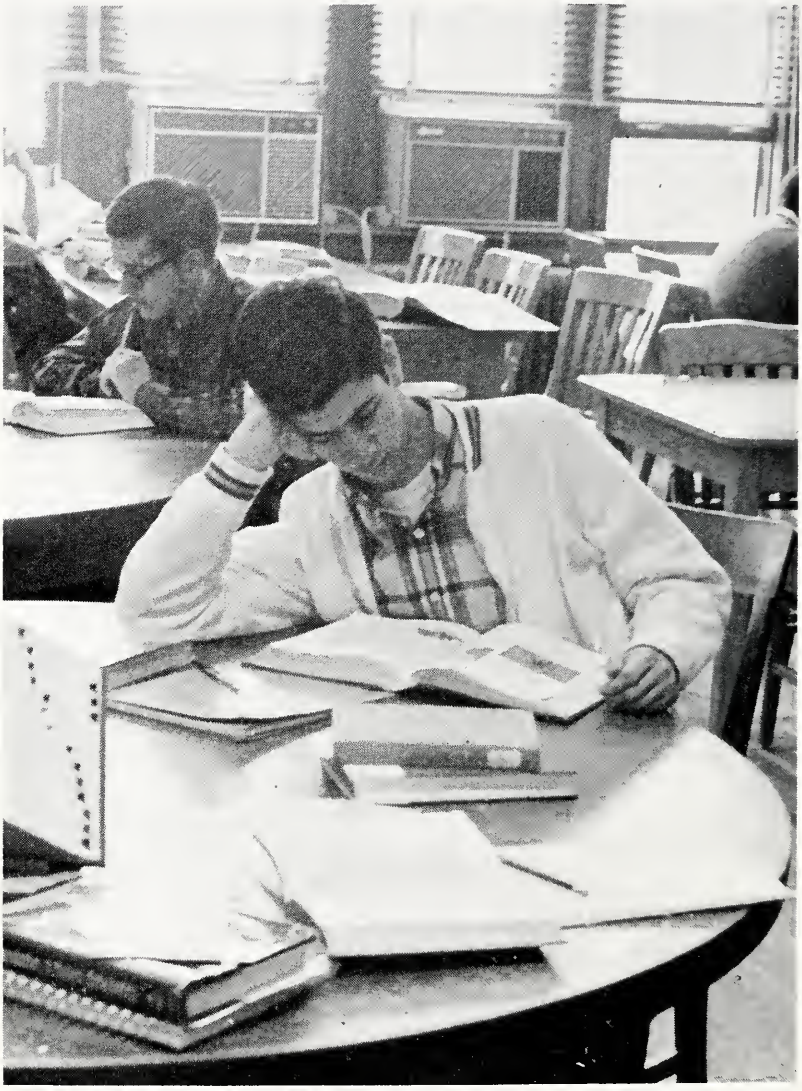
The Brown Award: This award is presented to the individual who is not a member of the Players but who has done the most for the Players during the year.

THE OGLETHORPE SCHOLAR

Each year, the College, through competitive examinations, awards ten $1,000.00 scholarships to students who have demonstrated high academic achievement in secondary or preparatory schools. Applications for admission to the test must be made prior to April 1, each year. The test will be scheduled on or about April 20 of each year. For further information, please write the Dean of the College, Oglethorpe College, Atlanta, Georgia 30319.

PLACEMENT SERVICE

The College maintains a Placement Office to provide help to students in securing jobs during their college career. Because of Oglethorpe's location in the suburbs of the second fastest-growing city in America, students can easily obtain part-time



work. There are also some opportunities on campus for employment in various jobs. Another function of this office is to aid our students in getting positions upon graduation. A register is kept of firms seeking our graduates, and every effort is made by the College to place students in areas and firms of their preference.

GENERAL INFORMATION

SEMESTER SYSTEM

Oglethorpe College operates under the semester system during the academic year. Two summer sessions of five weeks each make up the summer schedule. Beginning with the Fall semester 1969, and continuing thereafter, the College will initiate an interterm of four weeks between the regular semesters. The interterm will occur during the month of January, separating the first and second semesters by a six-week period.

EVENING PROGRAM

As a service to the community, the College offers an evening program covering three terms per year: one during each semester and one during the summer. Classes meet two nights each week (Monday and Wednesday; Tuesday and Thursday) with two class periods each night.

A special single meeting on Friday evening is available upon sufficient enrollment.

Effective in the Fall 1968, all night students (those completing 50 or more percent of their Oglethorpe work in the night program) will be required to major in the General Studies Major Program. This program requires completion of the courses indicated elsewhere in this bulletin and a sufficient number of additional course hours up to the number prescribed for a degree. The degree granted will be the Bachelor of Arts-General Studies.

The General Studies program, because of its flexibility, enables the student to concentrate in any selected program offered by the College.

The General Studies Major is opened to day division students who may wish to pursue the program.

THE CURRICULUM

ORGANIZATION

Oglethorpe's curriculum is arranged into six general divisions: Humanities, Social Studies, Science, Education, Economic Business, and Behavioral Sciences. Academic areas included within each are the following:

Division I: The Humanities

English
Foreign Languages
Literature
Philosophy

Division II: Social Studies

History
Political Studies

Division III: Science

Biology
Chemistry
Mathematics
Physics

Division IV: Education

Education
Physical Education

Division V: Business and Economics

Accounting
Business Administration
Economics

Division VI: Behavioral Sciences

Psychology
Sociology

Under the semester system, the curriculum offers courses of three and four hours credit. A full-time student carries a normal academic load of five courses during each term.

One hundred twenty-three semester hours (or their equivalent for transfer students) are necessary for graduation. In these are included fifty-five credit hours of core courses according to the following schedule required of all four-year students.

GENERAL COLLEGE REQUIREMENTS

CORE PROGRAM

The following is the core program required of all four-year Oglethorpe students.

Communications	**12 hours**
*Speech	3 hours
*Writing	3 hours
*Foreign Language	6 hours
Humanities	**12 hours**
Humanities Sequence	9 hours
or	
Foreign Language Literature Music or Philosophy	9 hours**
*Philosophy	3 hours
Social Studies	**15 hours**
*West. Civilization	6 hours
*Government	3 hours
*Psychology or Sociology	3 hours
*Economics	3 hours
Natural Science	**15 hours**
One science sequence plus one course (Principles of Science, Biology, Chemistry, Physics)	12 hours
*Mathematics	3 hours

PHYSICAL EDUCATION . . . . . 0 hours

Two semesters of physical education are required, except for those excused on medical grounds.

COURSES OF STUDY

In the following section, the courses are listed alphabetically by area within their respective Divisions. Numbers from 100 to 199 designate courses especially for freshmen; those from 200 to 299, courses especially for sophomores; 300 to 399, courses especially for juniors; and those from 400 to 499, courses especially for seniors. Each level of offerings assumes the earlier completion of necessary prerequisites. The number of hours refers to the semester hours credit per term allowed for the course; the designation "3 + 3" or "4 + 4" indicates that the course carries 6 or 8 semester hours of credit, respectively, for two semesters of work.

MAJORS PROGRAMS

In addition to completing the core program, students normally are expected, no later than the beginning of their junior year, to

*College level examination may be substituted for requirement if examination is passed at established norms. Credit for completion of the course will be also granted.

**No more than six (6) hours may be taken in any single area in this category.

choose a majors program and to fulfill the departmental regulations for the program. With some variation according to professional departmental requirements, most students will take the core program during their freshman and sophomore years, and a majors program during their junior and senior years.

The following are suggested programs of majors. In addition to the required core program, most of them include three levels of other courses: those prescribed for the major, directed electives recommended as immediately related to the major, and free electives allowed to enable the student to widen his intellectual interests. Variations of each program are possible, according to the particular needs of the student and the regulations of each department. Majors programs are offered in the following:

Biology
Business Administration
Chemistry
Economics
Education-Elementary
Education-Secondary
English
Foreign Languages
General Studies
Health Physics
History
Mathematics
Medical Technology
Philosophy
Physics
Political Studies
Pre-Law
Pre-Medicine
Pre-Nursing
Psychology
Sociology

DIVISION OF THE BEHAVIORAL SCIENCES

To ensure the orderly completion of the program, the major should consult with the appropriate faculty member in the department or division at the time of his *first* registration. It is important that each major have his program fully planned from the outset so that he may be aware of departmental and divisional requirements and allowable substitutions and alternatives. Each major must complete the core requirements within the scope of their interpretation by responsible departmental or divisional advisors. In addition, each major must complete those departmental and divisional requirements as may apply to the specific degree.

PSYCHOLOGY (PS)

Freshman

CO 110 Intro. to Writing	3	HY 121 History West. Civil.	3
French or German	3	French or German	3
MA 137 Mathematics	3	MA 138 Mathematics	3
BI 132 Biology	3	BI 133 Biology	3
HY 120 History West. Civil.	3	PS 140 Psychology	3
Physical Education		Physical Education	
	15		15

Sophomore

PS 240 Psychology	3	PS 341 Psychology	3
PO 123 Government of U.S.	3	PH 226 Philosophy	3
SH 110 Intro. to Speech	3	EC 220 Economics	3
SO 141 Sociology	3	EH English Elective	3
Science Elective	3	Psychology	3
	15		15

Junior

PS 344 Psychology	3	BI 341 Biology	3
PH 364(5) Philosophy	3	PS 343 Psychology	3
EH 211 English	3	HU 310 Humanities	3
Directed Elective	3	Psychology Elective	3
Elective	3	Directed Elective	3
	15		15

Senior

Psychology Elective	3	Psychology Elective	3
HU 311 Humanities	3	Directed Elective	3
Directed Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		15

PSYCHOLOGY CURRICULUM

PS 140. General Psychology **3 hours**

An introduction to the scientific study and description of the behavioral of living organisms. Consideration of such topics as learning, motivation, emotion, sensation and perception, intelligence measurement, personality and social behavior will be undertaken. Students may be required to serve as subjects in one or more experiments. *Prerequisite:* None.

PS 240. Introduction to Statistics for the Behavioral Sciences **3 hours**

An introduction treatment of quantitative methods in behavioral sciences. The nature of measurement, collection and interpretation of data will be studied. Special attention will be given to relations between statistical models and experimental controls. *Prerequisite:* 137-138, 140.

PS 341. Experimental Psychology I: Sensation, Perception, Motor Skills **4 hours**

An introduction to the laboratory method in psychology. Lectures will include a survey of the research in sensory processes, perceptual organization, and the acquisition of motor skills. Students will conduct representative laboratory exercises in psycho-physics and motor learning. *Prerequisite:* 140, 240.

PS 342. Child and Adolescent Psychology **3 hours**

A study of the child from conception through adolescence. Attention is given to physical, social, emotional and intellectual development of the child, with special emphasis placed on the importance of learning. *Prerequisite:* 140.

PS 343. Theories of Personality **3 hours**

A course studying the ideas of several representative theories which were concerned with personality. A comparision of theories is made and a suggested framework for evaluation of each theory is presented. *Prerequisite:* 140 plus one other course in psychology.

PS 344. Experimental Psychology II: Learning and Motivation **4 hours**

A survey of empirical findings concerning simple and complex learning, including in depth examination of the data in certain areas of controversy. Students will conduct representative laboratory exercises on human verbal learning and on operant conditioning of the albino rat. *Prerequisite:* 140, 240, 341.

PS 440. Abnormal Psychology **3 hours**

An introduction to the psychological aspects of behavior disorders. Included are descriptive and explanatory studies of a variety of mental disorders, psychoneuroses, psychoses, other maladjustments, their related con-

ditions and methods of treatment. *Prerequisite:* 140 plus one other course in psychology.

PS 441. Social Psychology **3 hours**

A course concerned with the behavior of individuals in groups, including motives, attitudes, group norms, group membership and social roles. *Prerequisite:* 140, 141.

PS 442. Tests and Measurements **3 hours**

A study of the selection, evaluation, administration, interpretation and practical uses of tests of intelligence, aptitudes, interest, personality, social adjustment and the tests commonly used in industry. Laboratory work may be required. *Prerequisite:* 140, 240, plus one other course in psychology.

PS 448. Directed Research in Psychology **2 + 2 hours**

Original investigations and detailed literature studies of selected problems in some area of psychology. *Prerequisite:* 140, 240, 341, 344, permission of instructor.

PS 499. Senior Seminar **3 hours**

A seminar providing examination and discussion of various topics of contemporary interest. *Prerequisite:* 140, 240, 341, 344, Senior standing.

SOCIOLOGY (SO)

Freshman

1st Semester		*2nd Semester*	
CO 110 Intro. Writing	3	SH 110 Intro. to Speech	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
BI 132 Biology I	4	BI 133 Biology II	4
Mathematics	3	PO 123 Government of the U.S.	3
Foreign Language	3	Foreign Language	3
Physical Education	0	Physical Education	0

Sophomore

HU 310 The Classical World	3	HU 311 The Western World	3
EC 220 Principles of Economics I	3	EC 221 Principles of Economics II	3
PO 223 Comparative Government	3	PS 140 General Psychology	3
SO 141 Introduction to Sociology	3	SO 241 Social Problems	3
PH 266 Introduction to Philosophy	3	PH 267 Ethics	3

Junior

PS 342 Child & Adolescent Psychology	3	SO 240 Introduction to Statistics for the Behavioral Sciences	3
SO 345 The Family	3	SO 326 International Relating	3
SO 444 Cultural Anthropology	3	SO 348 Intergroup Relations	3
Elective	3	PS 441 Social Psychology	3
Elective	3	Elective	3

Senior

PS 343 Theories of Personality	3	SO 446 History of Sociological Thought	3
SO 346 Criminology	3	SO 447 Seminar: Methodology	3
SO 445 The Community	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3

SOCIOLOGY (SO)

SO 141. Introduction to Sociology **3 hours**

The study of human society, the nature of culture, and its organization. Processes of communication, socialization, mobility, and population growth are described and analyzed. Emphasis is placed upon methods, basic concepts, and principal findings in the field. *Prerequisite:* None.

SO 241. Social Problems **3 hours**

A study of the impact of current social forces upon American society. Deviation from social norms, conflict concerning social goals and values, and social disorganization as these apply to family, economic, religious, and other institutional and interpersonal situations are of primary concern. *Prerequisite:* 141.

SO 345. The Family **3 hours**

An analysis of the family institution as a background for the study of family interaction, socialization, and the parent-child relationship, courtship and marriage interaction, family crises and problems. *Prerequisite:* 141.

SO 346. Criminology **3 hours**

The principles of criminology and penology, with emphasis on psychosociological factors; study of historical and contemporary theory and practice. *Prerequisite:* 141.

SO 347. The Field of Social Work **3 hours**

An orientation course based on the description and analysis of the historical development of social work and the operation in contemporary society of the many social work activities. *Prerequisite:* 141.

SO 348. Intergroup Relations **3 hours**

The study of the nature of minority and majority group adjustments, and the positions of different minority groups in the United States. Emphasis is given to the status and role of the American Negro. *Prerequisite:* 345.

SO 444. Cultural Anthropology **3 hours**

An introduction to the study of man and his culture, using material from modern and folk cultures throughout the world. Emphasis is given to development of understanding of culture (its purpose, meaning, and function). *Prerequisite:* 141.

SO 445. The Community **3 hours**

The study of the community as an area of interaction with particular emphasis on the impact of urbanization upon modern man. *Prerequisite:* 141.

SO 446. History of Sociological Thought **3 hours**

A study of major social theorists from early times to date, with particular emphasis on current sociological thought. *Prerequisite:* Permission of instructor.

SO 447. Seminar: Methodology **3 hours**

Introduction to techniques of studying interpersonal and group relationships. Students will participate in a research project. The seminar is designed to help evaluate sociological reports and to develop skills in doing research. *Prerequisite:* Permission of instructor.

DIVISION OF
BUSINESS ADMINISTRATION AND ECONOMICS

BUSINESS ADMINISTRATION (BA)

To insure an orderly completion of his program, the prospective business major should consult with a faculty member of the Division at the time of his *first* registration. It is important that he plan his program correctly from the outset.

In addition to the Bachelor of Arts degree, a Certificate is given, upon successful completion of the Core Program and departmental requirements, to those students taking a year of mathematics and a year of physics. These elections would also satisfy the mathematics requirements and apply toward science requirements of the Core Program.

Directed Electives for the business major include a second year in Economics. A course in the use of computers is recommended as a free elective.

Freshman

CO 110 Intro. to Writing	3	SH 110 Intro. to Speech II	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
MA 137 Mathematics I	3	MA 138 Mathematics II	3
Sociology or Psychology	3	Sociology or Psychology	3
BA 101 Business Law I	3	BA 102 Insurance	3
Physical Education	1	Physical Education	1
	16		16

Sophomore

EC 220 Economics 1	3	EC 221 Economics II	3
Science I	4	Science II	4
BA 201 Accounting I	3	BA 202 Accounting II	3
PO 123 U. S. Government	3	BA 203 Conceptual Foundations	4
Elective	3	Elective	3
	16		17

Junior

Science III	4	BA 302 Preface to Econometrics	3
BA 301 Statistics	3	BA 312 Human Relations	3
PH 266 Intro. to Philosophy	3	PH 267 Philosophy (Ethics)	3
Foreign Language	3	Foreign Language II	3
Elective	3	Elective	3
	16		15

Senior

BA 401 Prin. of Management	3	BA 402 Econometrics	3
BA 411 Marketing Principles	3	BA 412 Finance	3
Economic Elective	3	Economics Elective	3
Foreign Language*, or Music, or Literature	3	Foreign Language*, or Music, or Literature	3
BA 410 Technical Writing	3	Elective	3
	15		15

COURSES OF STUDY

BUSINESS ADMINISTRATION (BA)

BA 101. Business Law **3 hours**

A course designed to give the student an awareness of a limited area of those aspects of the law which he will most likely need in his day-to-day dealings with the problems of business. Special emphasis is placed upon the law of contracts, agency, negotiable instruments, and business associations. *Prerequisite:* None.

BA 102. Insurance **3 hours**

A study of the principles and practices pertaining to personal and property insurance. Emphasis is upon the formation of the insurance relation; concealment, warranties, waiver, and estoppel; incontestability; the respective interests of the beneficiary insured, insurer, assignee, and creditor. *Prerequisite*: BA 101.

BA 201. Principles of Accounting I **3 hours**

An introduction to basic bookkeeping procedures related to the journal, ledger, financial statements, and the uses of accounting data. *Prerequisite:* None.

BA 202. Principles of Accounting II **3 hours**

A continuation of the study of basic procedures with the emphasis upon partnership and corporate forms of accounting, and the analysis of financial statements. *Prerequisite:* BA 201.

BA 203. Conceptual Foundations and Government Regulation of Business **4 hours**

A course giving the student some of the historical background that has influenced present business life. It deals with the subjects of authority and power, constitutionalism, pluralism, and the proper use of time, and the reasons for government regulation. The last half of the course acquaints the student with the field of labor law, including wages and hours, the Taft-Hartley Act, and the Civil Rights Acts. *Prerequisite:* None.

BA 301. Statistics **3 hours**

A course dealing with the methods of gathering data through polling, sampling, the questionnaire, and the professional interview; the evaluating

*If contemplating graduate studies.

and summarizing of the data; and the presentation through reports, charts, and studies. Only an elementary basic knowledge of the statistical method is encompassed. However, factors of error, percentage of accuracy, and the place of statistics in the scheme of management receive attention. An actual survey is chosen and run by the class. *Prerequisite:* MA 137 and MA 138.

BA 302. Preface to Econometrics **3 hours**

An introduction to quantitative methods in Economics and Business, it presents methods of handling data, quantiative empirical estimates, and tests of economic theory in forms that are used in actual research by economists. This course does not require mathematics nor statistics beyond elementary algebra and elementary statistics. *Prerequisite:* BA 301.

BA 312. Human Relations in Business **3 hours**

A course designed to emphasize the importance of people in business, and the psychological understandings that are necessary for successful management. Detailed teaching and discussion are directed toward motivation, leadership, delegation, management development, creativity, and the direction of people. *Prerequisite:* None.

BA 401. Principles of Management **3 hours**

A course concerned with the art of managing people. It applies principles of human relations to the various functions which form the basic body of knowledge essential for professional management. Emphasis is placed on planning, policy formulation, direction, leadership and decision-making. *Prerequisite:* BA 312.

BA 402. Econometrics **3 hours**

A course concerned with the science of managing things. It introduces the student to the importance of quantification and examines the scientific approach to the management process. Various methods of systems mechanization are explained up to and including fully automated computerization. Emphasis is placed on systems design, data flow diagramming and computer programming. *Prerequisite:* BA 302.

BA 410. Business and Technical Writing **3 hours**

An emphasis on the disciplines of letter writing, technical and business oriented essays and reports, speeches and articles on business or technical subjects. Additional emphasis placed on collection, interpretation, and presentation of data dealing with business or technical subjects.

BA 411. Marketing Principles **3 hours**

A course concerned with the policies and problems involved in the operation of market institutions. Emphasis is upon the functions, commodities, and middlemen involved in the marketing of goods and services. *Prerequisite:* Economics 220 and 221.

BA 412. Business Finance **3 hours**

An investigation into the nature of business finance and its relation to economics, accounting and law; capital, capitalization, and financial plan; initial financing; refinancing; working capital; expansion; internal and external financial relationships of the firm. *Prerequisite:* BA 202, or permission of instructor.

FRIDAY
PAT

ECONOMICS (EC)

Freshman Year

CO 110 Intro. to Writing I	3	SH 110 Intro. to Speech	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
MA 137 Mathematics	3	MA 138 Mathematics	3
Psychology or Sociology	3	PO 123 Government of the United States	3
Elective	3	Elective	3
Physical Education	0	Physical Education	0
	15		15

Sophomore Year

EC 220 Economics	3	EC 221 Economics	3
Foreign Language I	3	Foreign Language II	3
Science I	4	Science II	4
Philosophy	3	BA 203 Conceptual Foundations	4
Elective	3	Elective	3
	16		17

Junior Year

EC 320 Microeconomics	3	EC 321 Macroeconomics	3
EC 377 Money and Banking	3	Economics Elective	3
Laboratory Science III	4	BA 372 Business Administration	3
Humanities I	3	Humanities II	3
Directed Elective*	3	Directed Elective*	3
	16		15

Senior Year

EC 420 History of Economic Thought	3	EC 499 Economics Seminar	3
Economics Elective	3	Economics Elective	3
Business Administration Elective	3	Business Administration Elective	3
Humanities III	3	Elective	3
Elective	3	Elective	3
	15		15

ECONOMICS (EC)

EC 220. Principles of Economics I **3 hours**

An introductory survey of aggregate economic principles: the scope and method of Economics; business organizations; basic Supply and Demand

*Students contemplating graduate work in Economics will elect Mathematics 234-235, or Business Administration 302-402.

theory; money and prices; national income theory; economic stabilization. *Prerequisites:* None.

EC 221. Principles of Economics II **3 hours**

Applications of economic principles to economic problems: the theory of production; income distribution; agriculture; government regulation of business; labor organizations; international trade. *Prerequisite:* EC 220.

EC 320. Intermediate Theory: Microeconomics **3 hours**

An intensive study of the behavior of the consumer and the firm, problems of production and distribution, and the structure of markets. *Prerequisites:* EC 220-221, MA 137-138.

EC 321. Intermediate Theory: Macroeconomics **3 hours**

A comprehensive survey of aggregate economic analysis: the theory and measurement of national income and employment; price levels; business fluctuations; economic growth. *Prerequisites:* EC 220-221, MA 137-138.

EC 377. Money and Banking **3 hours**

The nature and development of the money and credit systems of the United States: the functions and activities of financial institutions; commercial banking; the Federal Reserve System; monetary theory and practice. *Prerequisites:* EC 220-221.

EC 378. Labor Economics **3 hours**

The history, theory, and practices of the American labor movement. A study of labor organizations as economic and social institutions including a survey of the principles and problems of union-management relationships encountered in collective bargaining and in public policies toward labor. *Prerequisite:* EC 220.

EC 379. Public Finance **3 hours**

An analysis of the impact of Federal, state and local government expenditures, revenues, debt management and budgeting on the allocation of resources, the distribution of income, and the stabilization of national income and employment. *Prerequisites:* EC 220-221.

EC 420. History of Economic Thought **3 hours**

A study of the major writers and schools of economic thought, related to the economic, political, and social institutions of their times: the medieval, Mercantilist, Physiocrat, Classical, Marxist, Historical, Neoclassical, Institutionalist, Keynesian, and post-Keynesian schools. *Prerequisite:* EC 220.

EC 421. International Economics **3 hours**

A study of international trade and finance: regional specialization; national commercial policies; international investments; balance of payments; foreign exchange; foreign aid policies; international agreements on tariffs and trade. *Prerequisites:* EC 220-221.

EC 422. Comparative Economic Systems **3 hours**

A comparative study of alternative economic systems, including capitalism, fascism, socialism, and communism, with particular emphasis on the United States, Great Britain and the Soviet Union. *Prerequisite:* EC 220. *site:* EC 220.

EC 499. Seminar in Contemporary Economic Issues **3 hours**

A senior seminar preparing Economics majors for professional roles and graduate study: research methods and materials; written and oral presentation of current economic issues. *Prerequisites:* Senior standing and either twelve semester hours of advanced Economics courses or permission of the instructor.

GENERAL STUDIES

The General Studies Major is required as the major field for all students in the night program but may be elected as a major for students in the day program.

The General Studies Major consists of the following:

1. Completion of the basic core requirements.
2. Completion of a sufficient number of course hours to complete the 123 semester hours prescribed for an Oglethorpe degree. Courses are selected through the cooperative action of the student and his assigned advisor.

DIVISION OF EDUCATION

EDUCATION (ED)

The Division of Education provides courses leading to the Bachelor of Arts in Elementary Education and Secondary Education (with concentrations available in English, French, Mathematics, Science, and Social Studies.) The teacher preparation curricula of Oglethorpe fulfill certification requirements in Georgia. Students desiring certification in other states should secure information for such states concerning requirements.

ADMISSION TO AND RETENTION IN TEACHER EDUCATION PROGRAM

Admission to Oglethorpe College does not automatically admit a student to the Teacher Education Program. A person meeting college entrance requirements and approved by a member of the Division of Education through personal interview is admitted. Once admitted, the student's progress and his record are subject to regular review by his advisor, other professors, and the Teacher Education Committee.

Admission to and retention in the Teacher Education Program are based in general upon the following characteristics and achievements:

(a) Evidence of good moral character and personality.
(b) Evidence of emotional stability and physical stamina.
(c) A desire to work with children and/or youth.
(d) Demonstration of proficiency in oral and written English.
(e) A cumulative average of 2.0 and an average of 2.0 in professional courses.
(f) Evidence of responsibility in student endeavors.
(g) Interpretation of results of Minnesota Multiphasic test.

Application for admission to the Teacher Education Program may be made at any time in the Division of Education Office. *Introduction to Education* is the only professional course which may be taken prior to formal admission to the Program.

Application for student teaching must be filed by April 15 prior to the academic year in which it is desired. Application forms are available in the Division of Education. Based on successful completion of the Program and recommendation of the Division of Education a student will then be eligible for professional certification in Georgia. Students are eligible for the teacher's professional four-year (T-4) certificate in Georgia when they have met the following general requirements:

(a) The Bachelor's Degree from an accredited four-year college.
(b) Approximately 36 semester hours (12 courses) in general education*
(c) All requirements for a teaching field,** and
(d) Approximately 18 semester hours in required professional education courses.***

*"General Education" refers to the freshman and sophomore courses in English, science, social sciences, mathematics, and related subjects basic to the general needs of all students regardless of vocational or professional objectives.
**"Teaching Field" refers to the subject-matter and technical courses which meet the requirements for the field in which the certificate is to be issued.
***"Professional Education" refers to the required education courses which develop professional understanding and abilities.

Requirements for the Teacher's Professional Four-Year (T-4) certificate for Elementary Grades (1-8)*

A. *Teaching Field:*

18 semester hours selected from the following areas with a maximum of 6 semester hours in any one area:

AREAS	SUGGESTED COURSES
Language Arts	Children's Literature, Speech, and Language Arts in the Grades.
Social Studies	Geography, American History, State History, and Social Studies in the Grades.
Science/Math	Science in the Grades and Mathematics in the Grades.
Creative Arts	Public School Art and Music, Art and Music Appreciation, and Crafts.
Health and Physical Education	Health and Safety Education, Nutrition, Recreation and Games.

B. *Professional Education:*

18 semester hours which must include courses dealing with each of the following areas:

Human Growth and Development	(Educational Psychology, Child Psychology, etc.)
Curriculum and Methods	(Elementary Curriculum and Methods, Principles of Elementary Education, etc.)
Elementary Student Teaching or an approved substitute	(With at least one but less than five years of acceptable teaching experience, the only approved substitute is an elementary workshop designed for this purpose; with five or more years of acceptable teaching experience, the approved substitutes are the elementary workshop of 6 semester hours in education courses approved by the certification office.)

If the applicant is eligible for the T-4 certificate in another field, the field of Elementary Grades may be added by establishing credit for 18 semester hours in the teaching field and 3 semester hours in Elementary Methods.

*At the present time, the holder of certification for Elementary Grades is permitted to teach in kindergarten, also.

Requirements for the Teacher's Professional Four-year (T-4) Certificate in Secondary Teaching Fields for Grades 7-12.

A. *Secondary Teaching Fields:*

1. *English:* 27 semester hours including grammar and composition, and English and American literature, with a maximum of 9 semester hours in such courses as speech, journalism, reading, drama, and radio/TV. (3 semester hours in literature in the original or translation of a foreign language may be applied.)
2. *Foreign Languages:*
   (a) Modern Languages—24 semester hours for each language including grammar and composition, pronunciation and conversation, and literature. A maximum of 6 semester hours credit may be allowed for courses in history and culture or for competency acquired in high school or through residence in a foreign country.
   (b) A Second Foreign Language may be added on 18 semester hours of credit.
   NOTE: At Oglethorpe we are approved for certification in French only by the State Department of Education.
3. *Social Sciences:* 30 semester hours including a minimum of 6 semester hours in American history and 6 semester hours in European history. The remaining 18 semester hours are to be selected from the following areas: government, political science, economics, sociology, anthropology and geography.
4. *Mathematics:* 27 semester hours which may include a maximum of 6 semester hours in physics and which must include a minimum of 3 semester hours each in algebra, geometry and calculus.
5. *Science:* 27 semester hours with a minimum of 6 semester hours each in biology, chimestry and physics.

B. *Professional Education:*

18 semester hours which must include courses dealing with each of the following areas.

Human Growth and Development	(Educational Psychology, Adolescent Psychology, etc.)
Curriculum and Methods	(Secondary Curriculum and Methods, Principles of Secondary Education, etc.)

Secondary Student Teaching or an approved substitute	(With at least one year of acceptable teaching experience, the approved substitutes are the secondary workshop or 6 semester hours in education courses approved by the certification office.)

If the applicant is eligible for the T-4 certificate in another field, any secondary field for which the certification office evaluates may be added by establishing all requirements for the secondary teaching field.

To ensure the orderly completion of the program, the major should consult with the appropriate faculty member in the department or division at the time of his *first* registration. It is important that each major have his program fully planned from the outset so that he may be aware of departmental and divisional requirements and allowable substitutions and alternatives. Each major must complete the core requirements within the scope of their interpretation by responsible departmental or divisional advisors. In addition, each major must complete those departmental and divisional requirements as may apply to the specific degree.

EDUCATION (ED)

ED 390. Introduction to Education **3 hours**

A study of the historical development, philosophy, organization and basic issues underlying the American Educational System and the teaching profession. Interpersonal theory of education is presented. *Prerequisite:* PS 140.

ED 391. Elementary Curriculum **3 hours**

A course designed to assist elementary teachers in the construction of a curriculum for an individual school, or for a given grade or group of grades in that school. *Prerequisite:* ED 390, PS 342.

ED 392. Materials and Methods of Teaching Reading, Language Arts and Social Studies **3 hours**

A course of methods and materials used in the language arts and social studies in the elementary grades. *Prerequisite:* ED 390, PS 342.

ED 393. Materials and Methods of Teaching Elementary Science and Mathematics **3 hours**

A study of methods and materials used in teaching science and arithmetic in the elementary school. *Prerequisite:* ED 390, PS 342.

ED 395. Secondary Curriculum **3 hours**

A study of the purposes and objectives of secondary education, overall curriculum-planning and development, and organization of content within subjects. Various prominent and experimental curricular patterns are analyzed. Provision is made for regular classroom observation by the student in public high schools of the Atlanta area. *Prerequisite:* PS 342, ED 390.

ED 396. Secondary School Methods and Materials **3 hours**

A course designed to help prospective teachers develop varying methods and techniques of instruction appropriate to the nature of their subject, their own capabilities, and the meeting of the demands of various student groups. Problems such as classroom control, motivation, and the pacing of instruction are studies. Regular observation in classrooms of the Atlanta-area public schools is continued. Extensive use is made of resource people from the public schools, from other departments within the College, the community, and other professional people. *Prerequisite:* Ed 395.

ED 397. Elementary School Art **3 hours**

A course designed to study the fundamentals of art in the elementary school. Included is an extensive exploration of the various media and techniques appropriate for the elementary school teacher, as well as methods developing art appreciation in the classroom. *Prerequisite:* None.

ED 398. Public School Music **3 hours**

A study of the fundamentals of music education, including methods and materials appropriate for teaching music in public school. *Prerequisite:* None.

ED 339. Modern Arithmetic for Public Schools **3 hours**

(See the Mathematics Section, P. —, for a description of this course).

ED 490. Special Topics in Elementary Education **3 hours**

A course given in connection with the student's active participation in student teaching in the public schools. Promising practices of elementary education are explored. Special problems such as teaching the gifted, the retarded, remedial reading techniques, and the uses of audio-visual materials are explored. *Prerequisite:* ED 391, ED 392, ED 393.

ED 491. Special Topics in Secondary Education **3 hours**

A course given in connection with the student's active participation in student teaching in the public schools. Special problems such as remedial reading for secondary students, guidance, team-teaching techniques, and the use of programmed learning aids are studied. *Prerequisite:* ED 396.

ED 492. Student Teaching and Seminar **12 hours**

A course requiring full-time participation in a school in the Atlanta area under the supervision of a qualified supervising teacher. This is designed to promote gradual introduction to responsible teaching, including participation in the teacher's usual extra-curricular activities. A seminar on the College campus each week during the student teaching period is a part of the course. *Prerequisite:* ED 391, ED 392, ED 393 or ED 396.

ED 493. Educational Psychology **3 hours**

A study of learning theory and its application to such problems as classroom control, the organization of learning activities, understanding individual differences, and evaluating teaching and learning. Emphasis is given to factors which facilitate and interfere with learning. *Prerequisite:* ED 391, ED 392, ED 393 or ED 396.

ED 394. Seminar in Problems of Education **3 hours**

A consideration of the basic concerns in education; the aims of the public schools, problems of curriculum-building, teaching methods, classroom

organization, and professional problems of teachers. The specific area of credit to be offered in any given term will be announced in advance. *Prerequisite:* Permission of instructor.

ED 495-S. Teachers' Workshop (Elementary and Secondary Teachers in Service) 6 hours

A workshop for teachers in service providing experience in theory and practice in elementary and secondary education. It is designed to meet the immediate and the projected needs of the participants, Laboratory experience and research are provided in general areas (for example, art, music, modern mathematics, recent publications in the field, creativity in teaching, and the like). This course may fulfill requirements of the Georgia State Department of Education for renewal of teaching certificates or be used for 6 semester hours of credit in lieu of student teaching. It can also be recognized for local increment purposes. *Prerequisite:* One year of teaching experience in a public or private school.

ED 499. Special Studies in Education Hours to be determined

This is a special course in education. The specific topic will be announced later.

PHYSICAL EDUCATION

PE 140. Physical Education for Women

This is a required course in physical education for women. This course has as its objective (a) groundwork of physical abilities and knowledge and (b) need of activity and knowledge of skills so that there is some carry-over. This course provides women with an opportunity to develop skill and understanding in a variety of sports activities that will serve her throughout life. This course is for two (2) semesters.

PE 141. Physical Education for Men

This is a required course in physical education for men. This course has as its objective (a) groundwork of physical abilities and knowledge and (b) need of activity and knowledge of skills so that there is some carry-over. This course provides men with an opportunity to develop skill and understanding in a variety of sports activities that will serve him throughout life. This course is for two semesters.

PE 142. Health, Recreation and Physical Education 3 hours

A study of health and recreation in the school and community. Health practices and the application of skills and techniques of physical education are considered.

PE 143. Administration and Supervision of Physical Education 3 hours

A course concerned with the administration, organization and supervision of elementary, secondary, and college programs in physical education.

PE 144. Skills and Techniques in Physical Education 3 hours

A course dealing with theory and practical application of all games and activities. Involved will be personal performance, along with practical teaching and coaching of individual and team sports.

EDUCATION—ELEMENTARY

Freshman

1st Semester		*2nd Semester*	
SH 110 Speech	3	CO 110 Writing	3
HY 120 Western Civilization	3	HY 121 Western Civilization	3
MA 136 General Mathematics		GS 131 Principles of Science	4
or		PO 123 Government in the U.S.	3
MA 137 Elementary Mathematics	3	Elementary Language Elective	3
GS 130 Principles of Science	4	PE 140 PE—Women	
Elementary Language Elective	3	or	
PE 140 PE—Women		PE 141 PE—Men	
or			16
PE 141 PE—Men			
	16		

Sophomore

LI 210 Intro. to Lit I	3	LI 211 Intro. to Lit II	3
PH 266 Intro. to Philosophy	3	EC 220 Principles of Economics	3
Elective in Science	4	ED 390 Intro. to Education	3
Elective in Humanities	3	SO 141 Intro. to Sociology	3
PS 140 General Psychology	3	Directed Elective	3
	16		15

Junior

ED 391 Elem. Curr. Development	3	ED 393 Materials & Methods of Teaching Elem. Science & Math.	3
ED 392 Materials & Methods of Teaching Elem. Reading , Lang. Arts and Soc. Studies	3	HY 325 American History II	3
PS 342 Child & Adolescent Psy.	3	ED 397 Elementary School Art	3
PE 142 Health, Recreation & PE	3	Electives	6
HY 324 American History I	3		15
	15		

Senior

ED 492 Student Teaching & Seminar	12	ED 493 Educational Psychology	3
ED 490 Special Topics in Elementary Education	3	Directed Electives	3
	15	Electives	9
			15

EDUCATION—SECONDARY

MATHEMATICS

Freshman

1st Semester		*2nd Semester*	
SH 110 Speech	3	CO 110 Writing	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
*MA 137 Elementary Math I	3	*MA 138 Elementary Math II	3
PS 140 General Psychology	3	PO 123 Government in the U.S.	3
Foreign Language	3	Foreign Language	3
†PE 140 PE—Women or †PE 141 PE—Men		†PE 140 PE—Women or †PE 141 PE—Men	
	15		15

Sophomore

LI 210 Intro. to Lit I	3	LI 211 Intro. to Lit II	3
EC 220 Principles of Economics	3	MA 235 Mathematical Analysis II	3
MA 234 Mathematical Analysis I	3	ED 390 Intro. to Education	3
PY 280 Physics I	4	PY 281 Physics II	4
PH 266 Intro. to Philosophy	3	SO 141 Intro. to Sociology	3
	16		16

Junior

MA 236 Intro. to College Geometry	3	MA 483 Mathematical Probability	3
PS 342 Child & Adolescent Psy	3	ED 396 Secondary Math. & Mat.	3
MA 337 Differential Equations	3	MA 338 Vector Analysis	3
ED 395 Secondary Curriculum	3	Elective in Science	4
Elective in Humanities	3	Elective	3
	15		16

Senior

ED 493 Educational Psychology	3	ED 492 Student Teaching & Seminar	12
MA 480 Advanced Algebra I	3	ED 491 Special Topics in Sec. Education	3
MA 485 Mathematics Seminar	1		
Electives	9		
	16		15

†Two semesters of PE are required during student's college career.
*First semester of Math may be Math 234 or 235 depending upon previous courses and preparation in mathematics. Additional courses will follow sequentially.

EDUCATION—SECONDARY

SCIENCE

(Chemistry Concentration)

Freshman

1st Semester		*2nd Semester*	
SH 110 Speech	3	CO 110 Writing	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
CH 134 General Chemistry I	4	CH 135 General Chemistry II	4
MA 137 Elementary Math I	3	MA 138 Elementary Math II	3
Foreign Language	3	Foreign Language	3
PE 140 PE—Women or PE 141—PE—Men		PE 140 PE—Women or PE 141 PE—Men	
	16		16

Sophomore

LI 210 Intro. to Lit I	3	LI 211 Intro. to Lit II	3
EC 220 Principles of Economics I	3	CH 388 Organic Chemistry II	4
CH 387 Organic Chemistry I	4	PO 123 Government in the U.S.	3
PS 140 General Psychology	3	ED 390 Intro. to Education	3
MA 234 Mathematical Analysis	3	Elective	3
	16		16

Junior

PH 266 Intro. to Philosophy	3	SO 141 Intro. to Sociology	3
PS 342 Child & Adolescent Psy	3	BI 133 Biology II	4
BI 132 Biology I	4	ED 396 Secondary Meth. & Mat.	3
ED 395 Secondary Curriculum	3	Elective	3
Elective in Humanities	3	Elective	3
	16		16

Senior

ED 493 Educational Psychology	3	ED 492 Student Teaching & Seminar	12
CH 232 Elem. Quantitative Analysis	4	ED 491 Special Topics in Sec. Education	3
PY 280 Physics I	4		15
Elective	3		
Elective	3		
	17		

EDUCATION—SECONDARY

SCIENCE

(Physics Concentration)

Freshman

1st Semester		*2nd Semester*	
SH 110 Speech	3	CO 110 Writing	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
CH 134 General Chemistry I	4	CH 135 General Chemistry II	4
MA 137 Elementary Math I	3	MA 138 Elementary Math II	3
Foreign Language	3	Foreign Language	3
PE 140 PE—Women or PE 141 PE—Men		*PE 140 PE—Women or *PE 14 PE—Men	
	16		16

Sophomore

LI 210 Intro. to Lit I	3	LI 211 Intro. to Lit II	3
PY 280 Physics I	4	PY 281 Physics II	4
MA 234 Mathematical Analysis I	3	MA 235 Mathematical Analysis II	3
PH 266 Intro. to Philosophy	3	PO 123 Government in the U.S.	3
PS 140 General Psychology	3	ED 390 Intro. to Education	3
	16		16

Junior

EC 220 Principles of Economics	3	ED 396 Secondary Meth. & Mat. I	3
ED 395 Secondary Curriculum	3	SO 141 Intro. to Sociology	3
PS 342 Child & Adolescent Psy.	3	PY 380 Light and Optics	3
PY 282 Electricity & Magnetism	3	PY 381B Junior Physics Lab	1
PY 381A Junior Physics Lab	1	Elective	3
Elective in Humanities	3	Elective	3
	16		16

Senior

ED 493 Educational Psy	3	ED 492 Student Teaching and Seminar	12
BI 132 Biology I	4	ED 491 Special Topics in Sec. Education	3
Elective in Physics	3		15
Elective	3		
Elective	3		
	16		

EDUCATION—SECONDARY

SCIENCE

(Biology Concentration)

Freshman

1st Semester		*2nd Semester*	
SH 110 Speech	3	CO 110 Writing	3
HY 120 Western Civilization	3	HY 121 Western Civilization II	3
BI 132 Biology I	4	BI 133 Biology II	4
Foreign Language	3	Foreign Language	3
MA 137 Elem. Math	3	MA 138 Elem. Math	3
PE 140 PE—Women or PE 141 PE—Men		PE 140 PE—Women or PE 141 PE—Men	
	16		16

Sophomore

LI 210 Intro. to Lit I	3	LI 211 Intro. to Lit II	3
CH 134 General Chemistry I	4	CH 135 General Chemistry II	4
BI 385 Adv. Topics in Biology	4	BI 336 Adv. Topics in Biology II	4
PS 140 General Psychology	3	ED 390 Intro. to Education	3
PH 266 Intro. to Philosophy	3	PO 123 Gov. in the U.S.	3
	17		17

Junior

EC 220 Principles of Economics I	3	BI 433 Ecology	4
PS 342 Child & Adolescent Psy	3	SO 141 Intro. to Sociology	3
ED 395 Secondary Curriculum	3	ED 396 Secondary Meth. & Mat.	3
CH 387 Organic Chemistry	4	CH 383 Organic Chemistry	4
PY 280 Physics I	4	Elective in Humanities	3
	17		17

Senior

ED 492 Student Teaching and Seminar	12	ED 493 Educational Psychology	3
ED 491 Special Topics in Sec. Education	3	BI 430 General Physiology	4
		Elective	3
		Elective	3
		Elective	3
	15		16

EDUCATION—SECONDARY

SOCIAL STUDIES

Freshman

1st Semester		*2nd Semester*	
SH 110 Speech	3	CO 110 Writing	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
MA 137 Elementary Math	3	PO 123 Government in the U.S.	3
GS 130 Principles of Science	4	GS 131 Principles of Science	4
Foreign Language	3	Foreign Language	3
PE 140 PE—Women or PE 141 PE—Men		PE 140 PE—Women or PE 141 PE—Men	
	16		16

Sophomore

LI 210 Intro. to Lit I	3	LI 211 Intro. to Lit II	3
EC 220 Principles of Economics I	3	SO 141 Intro. to Sociology	3
PH 266 Intro. to Philosophy	3	ED 390 Intro. to Education	3
PS 140 General Psychology	3	Elective in Science	4
PO 223 Comparative Government	3	Elective	3
	15		16

Junior

ED 395 Secondary Curriculum	3	ED 396 Secondary Meth. & Mat.	3
HY 324 American History I	3	HY 320 American History II	3
PS 342 Child & Adolescent Psy.	3	PO 326 International Relations	3
European History Elective	3	European History Elective	3
Political Studies Elective	3	Political Studies Elective	3
	15		15

Senior

ED 493 Educational Psychology	3	ED 492 Student Teaching and Seminar	12
Elective in Humanities	3	ED 491 Special Topics in Sec. Ed.	3
Elective	3		
Elective	3		
Elective	3		
	15		15

EDUCATION—SECONDARY

ENGLISH

Freshman

1st Semester		*2nd Semester*	
SH 110 Speech	3	CO 110 Writing	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
MA 136 General Mathematics or MA 137 Elem. Math.	3	GS 131 Principles of Science	4
GS 130 Principles of Science	4	PO 123 Government in the U.S.	3
Foreign Language	3	Foreign Language	3
PE 140 PE—Women or PE 141 PE—Men		PE 140 PE—Women or PE 141 PE—Men	
	16		16

Sophomore

LI 210 Intro. to Lit I	3	LI 211 Intro. to Lit II	3
EC 220 Principles of Economics	3	LI 214 American Literature II	3
PS 140 Gen. Psychology	3	ED 390 Introduction to Education	3
LI 231 American Literature I	3	SO 141 Intro. to Sociology	3
Elective in Science	4	Elective	3
	16		15

Junior

PH 266 Intro. to Philosophy	3	ED 396 Secondary Meth. & Mat.	3
ED 395 Secondary Curriculum	3	LI 316 History of the Eng. Lang.	3
LI 212 Advanced Grammar	3	LI 414 Twentieth Century Prose	3
PS 342 Child & Adolescent Psy.	3	Elective	3
HU 310 Greek Adjustment	3	HU 311 Medieval Synthesis	3
	15		15

Senior

ED 492 Student Teaching and Seminar	12	ED 493 Educational Psychology	3
ED 491 Special Topics in Sec. Ed.	3	LI 411 Shakespeare	3
		Elective	3
		HU 312 Modern Temper	3
		Elective	3
	15		15

EDUCATION—SECONDARY

FRENCH

Freshman

1st Semester		*2nd Semester*	
SH 110 Speech	3	CO 110 Writing	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
*FR 215 Int. French I	3	*FR 216 Int. French II	3
MA 136 General Math	3	PO 123 Government of the U.S.	3
or		GS 131 Principles of Science	4
MA 137 Elementary Math		PE 140 PE—Women	
GS 130 Principles of Science	4	or	
PE 140 PE—Women		PE 141 PE—Men	
or			
PE 141 PE—Men			
	16		16

Sophomore

LI 210 Int. to Lit I	3	LI 211 Int. to Lit II	3
FR 317 French Culture & Civil.	3	FR 318 History of the French Lang.	3
PS 140 Gen. Psychology	3	SO 141 Int. to Sociology	3
BI 131 Biology I	4	ED 390 Int, to Education	3
or		GE 115 Elementary German II	3
CH 134 Chemistry I		or	
GE 114 Elementary German I	3	SP 117 Elementary Spanish II	
or			
SP 116 Elementary Spanish I			
	16		15

Junior

EC 220 Principles of Economics	3	ED 396 Secondary Meth. & Mat.	3
ED 395 Secondary Curriculum	3	FR 361 Survey of French Lit. II	3
FR 360 Survey of French Lit. I	3	PH 266 Intro. to Philosophy	3
PS 342 Child & Adolescent Psy.	3	Elective	3
Elective in Humanities	3	Elective	3
	15		15

Senior

ED 493 Educational Psychology	3	ED 492 Student Teaching and Seminar	12
Directed Elective (French*)	3	FR 419 Applied Linguistics and Methods of Language Teaching	3
Directed Elective (French*)	3		15
Elective	3		
Elective	3		
	15		

*First semester of French may be French 112, 113, 215, 217 or 317, depending upon acceptable language compentency acquired through previous training or residence in a country where French is spoken. Additional courses in the language will follow sequentially.

DIVISION OF HUMANITIES

To ensure the orderly completion of the program, the major should consult with the appropriate faculty member in the department or division at the time of his *first* registration. It is important that each major have his program fully planned from the outset so that he may be aware of departmental and divisional requirements and allowable substitutions and alternatives. Each major must complete the core requirements within the scope of their interpretation by responsible departmental or divisional advisors. In addition, each major must complete those departmental and divisional requirements as may apply to the specific degree.

MAJOR IN ENGLISH & AMERICAN LANGUAGE & LITERATURE

Freshman

1st Semester		*2nd Semester*	
CO 110 Intro. to Writing	3	*Principles of Science II	4
HY 120 Western Civilization I	3	Foreign Language II	3
Principles of Science I	4	LI 214 *American Literature II*	3
General Math	3	Elective	3
Elective	3	Elective	3
Physical Education	0		
	16		16

Sophomore

Science Elective	4	SH 110 Intro. to Speech	3
Foreign Language I	3	HY 121 Western Civilization II	3
**LI 213 *American Literature I*	3	PO 123 Government of the U.S.	3
Elective	3	*PS 140 Intro. to Psychology	3
Elective	3	Elective	3
	16	Physical Education	0
			15

Junior

*EC 220 Principles of Economics	4	Principles of Philosophy	3
Greek Adjustment	3	Medieval Synthesis	3
LI 212 *Advanced Grammar*	3	LI 316 *History of the English Language*	3
Elective in Literature	3	*Elective in Literature*	3
Elective	3	Elective	3
	16		15

*For other choices see the core program.
**The courses in italic are required for majors in this field.

Senior

Modern Temper	3	LI 412 *Shakespeare*	3
LI 413 *Twentieth Century Prose*	3	LI 414 *Twentieth Century Poetry*	3
Elective in Literature	3	*Elective in Literature*	3
Elective in Literature	3	Elective	3
Elective	3	Elective	3
	15		15

COURSES IN ENGLISH AND HUMANITIES

CO 110. Introduction to Writing **3 hours**

A course providing exercise in the collection, organization, and written presentation of academic material. No *prerequisite.*

SH 110. Introduction to Speech **3 hours**

A course of study dealing with practical exercise in applied speech. Students are required to organize, research and present speeches of various lengths. No *prerequisite.*

LI 210-211. Introduction to Literature I, II **3+ hours**

A study of the major English writers and of certain ancient and modern writers who have influenced them.

LI 212. Advanced Grammar **3 hours**

A course using both the classical and linguistic approaches to English grammar. *Prerequisite,* CO 110.

LI 213. American Literature I **3 hours**

An examination of the shape of our national literature from its beginnings to the 1850's, with special emphasis on Hawthorne and Melville. *Prerequisite,* CO 110.

LI 214. American Literature II **3 hours**

Principally a study of Whitman, Dickinson, James, Howells, and Crane. *Prerequisite,* CO 110.

HU 310. The Greek Adjustment **3 hours**

A study of the human and social balance as found in the Greek myths, in Homer and in Sophocles, in the architecture and sculpture of such temples as the Parthenon. *Prerequisite,* CO 110.

HU 311. The Medieval Synthesis **3 hours**

A study of the unity seen in great works of the Middle Ages—Dante, Aquinas, the great cathedrals—a unity disturbed by the new forces of the Renaissance ushering in our own day. *Prerequisite,* HU 310.

HU 312. The Modern Temper **3 hours**

An inquiry into the direction of modern man, toward unity or chaos, through a study of his art and literature. *Prerequisite,* HU 311.

LI 311. Romantic Literature **3 hours**

A course dealing with prose and poetry of the early 19th century as inspired by nature and man's inmost feelings.

LI 312. Victorian Literature **3 hours**

A study concerned with the fact that the writers of the 19th century after 1832 first faced the problem of our day—a world confused by the dominating surge of science and industry. The literature shows all from the cry of despair to unbounded hope.

LI 316. History of the English Language **3 hours**

A course showing the development of our most expressive art from the early Old English period to the present as affected by historical and linguistic forces. *Prerequisite,* LI 212.

LI 368. Seventeenth Century Literature **3 hours**

A study of the literature of the 1600's, with emphasis on John Donne and John Milton.

LI 369. Eighteenth Century Literature **3 hours**

A study of the literature from 1660-1800 with emphasis on Swift, Pope, Thomson, Burns, and Blake and on the key ideas that found translation in the comptemporary world.

LI 410. Medieval Literature **3 hours**

A study of the major writers in Middle English, with emphasis on Chaucer.

LI 411. Renaissance Literature **3 hours**

A survey of English Renaissance literature (excluding Shakespeare's plays), with reference to Continental influences.

LI 412. Shakespeare **3 hours**

Shakespeare's major plays examined as literary and theatrical documents, with an emphasis on historical criticism.

LI 413. Twentieth Century Prose **3 hours**

Designed for senior English majors, this course emphasizes the work of Joyce, Lawrence, Faulkner and Hemingway and examines a few of the more recent novelists such as Powell and Malamud.

LI 414. Twentieth Century Poetry **3 hours**

A study of key figures in the poetic revolution of the early twentieth century—such as Yeats, Stevens, Pound, and Eliot—against the more traditional techniques of Hardy, Frost, and Graves, with an attempt to observe influences on and new departures by poets at mid-century—including Hart Crane, Auden, Roethke, Thomas, Lowell, and selected new poets.

A major in English and American Literature consists of the completion of courses LI 212, 213, 214, 316, 412; either 413 or 414; and five other literature courses.

In order to satisfy the Humanities requirement of the core program, a student majoring in English should take HU 310, 311, 312.

FRENCH (FR)

Freshman

1st Semester		*2nd Semester*	
SH 110 Intro. to Speech	3	CO 110 Intro. to Writing	3
FR 112 Elementary French I	3	FR 113 Elementary French II	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
Psychology or Sociology	3	Mathematics	3
Science	4	Science	4
	16		16

Sophomore

FR 215 Intermediate French I	3	FR 216 Intermediate French II	3
Humanities Sequence I or English Literature	3	Humanities Sequence II or English Literature	3
PO 123 Government of the United States	3	EC 220 Principles of Economics	3
Science	4	Elective	3
Elective	3	Elective	3
	16		15

Junior

*FR 317 French Culture and Civilization	3	*FR 318 History of the French Language	3
*FR 360 Survey of French Literature I	3	*FR 361 Survey of French Literature II	3
FR 419 Applied Linguistics	3	Philosophy	3
Humanities Sequence III or Music	3	English Literature or Language	3
Elective	3	Elective	3
	15		15

Senior

*FR 416 17th Century French Literature	3	*FR 417 18th Century French Literature	3
*FR 319 Advanced French Grammar	3	*FR 418 19th Century French Literature	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		15

*Asterisks indicate courses whose only prerequisite is 216 Intermediate French II and which can be taken in any order.

FRENCH (FR)

FR 112, 113 Elementary French I, II

A course in beginning college French designed to present a sound foundation in understanding, speaking, reading and writing contemporary French. The student spends three hours in the classroom and a minimum of one hour in the laboratory. *Prerequisite,* none for 112; 112 required for 113.

FR 215, 216 Intermediate French I, II

A short review of grammar and usage accompanied by readings in 20th century literature. Opportunity for aural-oral training is furnished in the classroom and laboratory. The students spend a minimum of one hour in the laboratory and three hours in the classroom per week. *Prerequisite,* 113 or equivalent for 215; 215 required for 216.

FR 317 French Culture and Civilization

A study of the geographical, historical, economic, social, and cultural factors that make an understanding of France and its civilization possible. Carefully selected topics will serve as a basis of classroom discussion. *Prerequisite,* FR 216.

FR 318 A Short History of the French Language

A course consisting of lectures and discussion periods acquainting the student with the development of the French language from its pre-Latin origins to modern form. *Prerequisite,* FR 216.

FR 319 Advanced French Grammar and Composition

A thorough review of grammar and usage from the point of view of French linguists. Written as well as oral work will be stressed. *Prerequisite,* FR 216.

FR 360, 361 Survey of French Literature I, II

A study of French literature from the 17th century to the present. Readings from representative authors are analyzed in the context of their respective literary and historical periods with special emphasis on the 20th century. *Prerequisite,* FR 216.

FR 416 Seventeenth Century Literature

A study of the classical period with special emphasis on the plays of Corneille, Racine, and Moliere. *Prerequisite,* FR 216.

FR 417 Eighteenth Century Literature

A study of the Age of the Enlightenment, with special emphasis on Montesquieu, Voltaire, Rousseau, and Marivaux. *Prerequisite,* FR 216.

FR 418 Nineteenth Century Literature

A course consisting of a series of lectures and discussions stressing the works of Stendhal, Flaubert, and Balzac against the background of the major literary movements of the century. *Prerequisite,* FR 216.

FR 419 Applied linguistics and Methods of Language Teaching

A brief study of the morphology, phonology, and syntax of the French language and of the application of the linguistic principles to language teaching. Instruction is provided in the use of the laboratory and in the preparation of materials. *Prerequisite,* FR 216.

(This course, open to all students with a thorough preparation in French, is designed mainly for those who want to go into language teaching. It will

be given under the joint auspices of the language and education departments.)

GERMAN (GE)

GE 114, 115 Elementary German I, II

A course in beginning college German designed to develop the ability to understand, speak, read, and write contemporary German. The student spends three hours in the classroom and a minimum of one hour in the laboratory. *Prerequisite,* none for GE 114; GE 114 for GE 115.

GE 217, 218 Intermediate German I, II

A thorough review of the basic principles of German coupled with an introduction to 20th century literature. Student expression in the foreign language will be stressed in writing and reading. *Prerequisite,* GE 115 or equivalent for 217; 217 for 218.

SPANISH (SP)

SP 116, 117 Elementary Spanish I, II

An elementary course in understanding, reading, writing and speaking contemporary Spanish, with emphasis on Latin American pronunciation and usage. *Prerequisite,* none for 116; 116 for 117.

SP 260, 261 Intermediate Spanish I, II

A short review of grammar and usage accompanied by selected readings in Spanish literature. Aural-oral training is emphasized. *Prerequisite,* SP 117 or equivalent for 260; 260 for 261.

PHILOSOPHY (PH)

Freshman

1st Semester		*2nd Semester*	
SH 110 Intro. to Speech	3	CO 110 Intro. to Writing	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
PS 140 Intro. to Psychology	3	PO 123 Government of the U. S.	3
Mathematics	3	EC 220 Principles of Economics	3
Science	4	Science	4
Physical Education	0	Physical Education	0
	16		16

Sophomore

PH 266 Intro. to Philosophy	3	PH 267 Ethics	3
Science	4	PH 365 Formal Logic	3
*HU 310 Greek Adjustment	3	*HU 311 Medieval Synthesis	3
Foreign Language	3	Foreign Language	3
Elective	3	Elective	3
	16		15

*For other choices, see core program.

Junior

*HU 312 Modern Temper	3	PH 363 History of Philosophy II	3
PH 362 History of Philosophy I	3	PH 463 Existentialism	3
PH 364 Philosophy of Science	3	Directed Elective	3
Directed Elective	3	Elective	3
Elective	3	Elective	3
	15		15

Senior

PH 460 Philosophy of Religion	3	PH 461 Philosophy of History	3
PH 464 Epistemology	3	PH 462 Metaphysics	3
Directed Elective	3	Directed Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		15

PHILOSOPHY (PH)

PH 266 Introduction to Philosophy

Introduces the student to the most basic terms, concepts, and methods of the philosophical enterprise. Especial emphasis is placed on the inconsistent character of most "common sense" belief systems. *Prerequisite,* none.

PH 267 Ethics

A systematic treatment of the more important ethical systems of the past and an attempt to provide the student with a framework for attacking the pressing ethical questions of our time.

PH 362, 363 History of Philosophy I, II

A study of the major philosophical systems of the Western world, from the pre-Socratics to Russell and Whitehead. *Prerequisite,* PH 266.

PH 364 Philosophy of Science

An attempt to delineate the major problems of scientific methodology and an examination of the presuppositions of scientific inquiry. *Prerequisite,* 266.

PH 365 Formal Logic

Provides the student with the basic methods of differentiating between valid and invalid forms of argument. Both the traditional techniques and the newer "symbolic" methods are introduced. *Prerequisite,* none.

PH 460 Philosophy of Religion

An inquiry into the general subject of religion from the philosophical point of view. The course will seek to analyze concepts such as God, holy, salvation, worship, creation, sacrifice, eternal life, etc., and to determine the nature of religious utterances in comparison with those of everyday life, scientific discovery, morality, and the imaginative expression of the arts. *Prerequisite,* PH 266.

*For other choices, see core program.

PH 461 Philosophy of History

A course designed to acquaint the student with the concepts and problems of the understanding of historical events. Classical systems will be reviewed, and the student will be encouraged to develop his own method of approach. *Prerequisite,* 120, 121, PH 266.

PH 462 Metaphysics

A survey of the major metaphysical systems and the root problems which give rise to each. *Prerequisite,* PH 266.

PH 463 Existentialism

An interpretative and critical analysis of the philosophy of "Existenz." The reading of writings by Kierkegaard, Nietzsche, Heidegger and others is accompanied by interpretive discussion and the consideration of related philosophical questions. *Prerequisite,* PH 266.

PH 464 Epistemology

A study of the origins, structure, and validity of knowledge, and an attempt to clarify the relationship of epistemology to logic, metaphysics, and psychology. *Prerequisite,* PH 266.

RELIGION (RE)

The program in the Department of Religion is designed to acquaint the student with the major religious movements of the world and to enable him to appreciate and evaluate critically and meaningfully these traditions in the light of the scholarship of both the past and the present. No Major is offered in Religion.

RE 110. Old Testament Literature and History **3 hours**

Patterns of religious thought and organization, social customs, political and cultural influences as reflected in the literature of ancient Israel.

RE 111. New Testament Literature and History **3 hours**

Patterns of religious thought and organization, political and cultural influences reflected in the literature of the early Christian movement.

RE 210. Religions of Mankind (World Religion) **3 hours**

History, doctrines, and interpretation of Hinduism, Buddhism, Taoism, Confucianism, Shinto, Islam, Judaism, and Christianity.

RE 310 Patterns of Contemporary Religious Thought **3 hours**

Current religious trends, methodologies, faith-reason relationships, and concepts of culture in such writers as Barth, Tillich, Bonhoeffer and Neibuhr.

DIVISION OF SCIENCE

To ensure the orderly completion of the program, the major should consult with the appropriate faculty member in the department or division at the time of his *first* registration. It is important that each major have his program fully planned from the outset so that he may be aware of departmental and divisional require-

ments and allowable substitutions and alternatives. Each major must complete the core requirements within the scope of their interpretation by responsible departmental or divisional advisors. In addition, each major must complete those departmental and divisional requirements as may apply to the specific degree.

BIOLOGY (BI)

Freshman

First Semester		*Second Semester*	
CO 110 Intro. to Writing	3	SH 110 Introd. to Speech	3
HY 120 Western Civ. I	3	HY 121 Western Civ. II	3
BI 132 Biology or 230 Botany	4	BI 133 Biology or 231 Botany	4
MA 137 Mathematics	3	MA 138 Mathematics	3
PS 140 Gen. Psychology	3	SO 141 Intro. to Sociology	3
Physical Education	0	Physical Education	0
	16		16

Sophomore

LI 210 Intro. to Literature	3	LI 211 Intro. to Literature	3
EC 220 Principles of Economics I	3	Literature or Music	3
CH 134 General Chemistry I	4	CH 135 General Chemistry II	4
Directed Biology Elective	4	Directed Biology Elective	4
Directed Biology Elective	4	PO 123 Government of the U. S.	3
	18		17

Junior

PH 266 Intro. to Philosophy	3	PY 281 Physics II	4
PY 280 Physics I	4	CH 388 Organic Chemistry II	4
CH 387 Organic Chemistry I	4	General Elective	3
General Elective	3	General Elective	3
Directed Biology Elective	4	Directed Biology Elective	4
	18		18

Senior

Directed Biology Elective	4	Directed Biology Elective	4
Quant. Analysis or Biochem.	4	Directed Biology Elective	4
Directed Biology Elective	4	General Elective	3
General Elective	3	General Elective	3
Foreign Language	3	Foreign Language	3
	18		17

BIOLOGY (BI)

BI 132, 133. Biology I, II **4 + 4 hours**

An introduction to the plant and animal kingdom. The course includes the basic principles of biology with an emphasis on structure function, and the relationships of plants and of animals to one another and to their environments. Laboratory and lecture. *Prerequisite:* None for 132; 132 required for 133.

BI 230, 231. Botany **4 + 4 hours**

An introduction to the plant kingdom, with an emphasis on structure, function, phylogenetic relationships and classification. Lectures and laboratory. No *prerequisite* for 230; 230 required for 231.

BI 330. Genetics **4 hours**

An introduction to the study of inheritance. The classical patterns of Mendelian inheritance are related to the control of metabolism and development. Lectures and laboratory. *Prerequisite:* Biology I, II or Botany I, II.

BI 331. Developmental Anatomy **4 hours**

An intensive study of the embryonic development of selected vertebrate types. Also, a study of vertebrate structure and organ functions in relation to evolution and development. The laboratory compromises the study of developmental anatomy of selected vertebrate types. *Prerequisite:* Biology 132, 133.

BI 430. Advanced Biology Seminar **3 hours**

An introduction to biological literature. Through reading and reporting original papers, the student is led through the development of ideas basic to biology. Lecture-discussion only. *Prerequisite:* Botany 230, 231 or Biology 132, 133 and one additional biology course. Permission of instructor required.

BI 433. Ecology **4 hours**

A course dealing with the relationships between individual organisms and their environments. The emphasis is on the development of populations and interactions between populations and their physical environments. Lectures and laboratory. *Prerequisite:* 132, 133.

BI 431. Animal Physiology **4 hours**

A detailed analysis of animal functions that deals primarily with the interactions involved in the operation of complex animal systems. Lectures and laboratory. *Prerequisite:* 132, 133.

BI 332. Microbiology **4 hours**

An introduction to the biology of viruses, bacteria, algae, and fungi. Consideration is given to phylogenetic relationships, taxonomy, physiology, and economic or pathogenic significance of each group. Lecture and laboratory. *Prerequisite:* Botany 230, 231 or Biology 132, 133.

BI 385, 386. Advanced Topics in Biology **4 + 4 hours**

Advanced course and laboratory work in selected areas of biology. Laboratory and lectures. *Prerequisite:* Biology 132, 133 or Botany 230, 231.

CHEMISTRY (CH)

Freshman

CO 110 Intro. to Writing	3	SH 110 Intro. to Speech	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
CH 134 General Chemistry I	4	CH 135 General Chemistry II	4
MA 137 Elementary Math I	3	MA 138 Elementary Math II	3
PS 140 General Psychology	3	PO 123 Government of the U. S.	3
Physical Education	0	Physical Education	0
	16		16

Sophomore

LI 210 Intro. to Literature	3	CH 388 Organic II	4
CH 387 Organic I	4	PY 281 Physics II	4
PY 280 Physics I	4	MA 235 Math Analysis II	3
MA 234 Math Analysis I	3	Elective	3
	14		14

Junior

CH 232 Elem. Quant. Analysis	4	CH 235 Physical Chemistry I	4
EC 220 Principles of Economics I	3	PH 266 Intro. to Philosophy	3
Foreign Language	3	Foreign Language	3
Elective	3	CH 434 Advanced Topics I	4
Elective	3	Elective	3
	16		17

Senior

Foreign Language	3	CH 333 Anal. Chemistry	4
CH 437-A Senior Research	2	CH 437-B Senior Research	2
CH 336 Physical Chemistry II	4	Foreign Language	3
Ethics or Music Literature	3	CH 435 Advanced Topics II	4
Elective	3	Elective	3
	15		16

CHEMISTRY (CH)

CH 134, 135. General Chemistry I, II **4 + 4 hours**

A study of the basic principles and theories of chemistry and the properties of elements and their compounds. In the second semester, part of the lecture time and all of the laboratory time is spent on qualitative analysis. *Prerequisite:* None.

CH 232. Elementary Quantitative Analysis **4 hours**

A study of reactions and equilibia in acid-base and redox systems with emphasis on their applications in chemical analysis. *Prerequisite:* 134, 135.

CH 333. Analytical Chemistry **4 hours**

A continuation of course 232 on a more advanced level. The use of complexes, ion exchange resins, spectrophotometry, electrolysis, and polarography are considered in some detail. *Prerequisite:* 232, 335.

CH 335, 336. Physical Chemistry I, II **4 + 4 hours**

A comprehensive study of the physico-chemical properties of matter. The course includes a critical examination of the laws of thermodynamics, kinetics, and electrochemistry as applied to chemical reaction. *Prerequisite:* 134, 135, 137, 234.

CH 387, 388. Organic Chemistry I, II **4 + 4 hours**

An introductory course in the principles and theories of organic chemistry. Laboratory work involves the preparation of simple compounds and the identification of functional groups. *Prerequisite:* 134, 135.

CH 434, 435. Advanced Topics in Chemistry I, II **4 + 4 hours**

Advanced topics will be offered in the fields listed below. ADVANCED ORGANIC CHEMISTRY. Selected topics in organic chemistry are discussed including resonance and molecular orbital concepts, reaction mechanisms, and conformational analysis. *Prerequisite:* 335, 336, 387, 388.

ORGANIC QUALITATIVE ANALYSIS. The study of the characterization and systematic identification of organic compounds including the application of ultraviolet, infrared, and nuclear magnetic resonance spectroscopy. *Prerequisite:* 387, 388.

BIOCHEMISTRY. The study of biochemical systems and the nature of the reactions which take place in living tissues. The functions of enzymes, vitamins, and hormones in controlling these reactions are discussed. *Prerequisite:* 335, 336, 387, 388.

THEORETICAL CHEMISTRY. A continuation of courses 335, 336 in breadth and depth. Emphasis is placed on quantum chemistry, statistical thermodynamics and spectroscopy. *Prerequisite:* 333, 335, 336.

ADVANCED INORGANIC CHEMISTRY. Selected topics in inorganic chemistry, including structure, bonding, reaction mechanisms, reaction kinetics, and properties of groups of elements in the periodic table. *Prerequisite:* 134, 135, 335, 336.

CH 437. Senior Research in Chemistry I, II **2 + 2 hours**

Original investigations and detailed literature studies of selected problems in some branch of chemistry. *Prerequisite:* Permission of instructor.

MATHEMATICS (MA)

Freshman

First Semester		*Second Semester*	
MA 137 Elem. Mathematics I	3	MA 138 Elem. Mathematics II	3
CO 110 Intro. to Writing	3	Sp 110 Intro. to Speech	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
CH 134 General Chemistry I	4	CH 135 General Chemistry II	4
Language Elective	3	Language Elective	3
P. E. 140-P. E. 141		P. E. 140-P. E. 141	
	16		16

Sophomore

PY 201 Physics I	4	PY 202 Physics II	4
MA 234 Mathematical Analysis I	3	MA 235 Mathematical Analysis II	3
PH 266 Intro. to Philosophy	3	PO 123 Government of U. S.	3
Humanities Elective	3	Humanities Elective	3
Elective	3	Elective	3
	16		16

Junior

PH 283 Mechanics I	3	PH 284 Mechanics II	3
MA 337 Diff. Equations	3	MA 338 Vector Analysis	3
EC 220 Principles of Economics	3	PS 140 General Psychology	3
PH 365 Formal Logic	3	Elective	3
MA 480 Advanced Algebra I or MA 438 Mathematical Anal. III	3	MA 481 Advanced Algebra II or MA 439 Math. Analysis III	3
	15		15

Senior

MA 480 Advanced Algebra I or MA 438 Mathematical Anal. III	3	MA 481 Advanced Algebra II or MA 439 Math. Analysis III	3
MA 483 Prob. and Statistics	3	MA 484 Elem. Computers	3
MA 485 Mathematical Seminar	1	BU 392 Statistics	3
MA 236 College Geometry	3	Elective	3
Directed Elective	3	Directed Elective	3
Elective	3		
	16		15

MATHEMATICS (MA)

MA 136. General Mathematics **3 hours**

A study of the basic ideas of mathematics. Emphasis is placed on the origin, logical structure, and meaning of mathematics, as well as on the development of modern technical skills. *Prerequisite:* None.

MA 137, MA 138. Elementary Mathematics I, II **3 + 3 hours**

An intensive review of elementary mathematics, together with an introduction to the basic content, methods, and applications of the most important classical and modern branches of mathematics. Included are the basic algebraic structure of the real number system; functions; and theory of solutions of equations. *Prerequisite:* None for MA 137; MA 137 required for MA 138.

MA 234, MA 235. Mathematical Aanalysis I, II **3 + 3 hours**

A course studying the basic ideas of analytical geometry, differential and integral calculus of functions, including the ideas of function, limit, continuity, the derivative, and the integral. *Prerequisite:* MA 138 or equivalent for MA 234; MA 234 or equivalent required for MA 235.

MA 236. Introduction to College Geometry **3 hours**

Foundations of Euclidian Geometry and introduction to non-Euclidian Geometries. *Prerequisite:* MA 136, MA 137, or MA 138.

MA 337. Differential Equations **3 hours**

Theory, methods of solution, and application of ordinary differential equations, along with an introduction to partial differential equations. *Prerequisite:* MA 235.

MA 338. Vector Analysis **3 hours**

Theory, methods of solution, and applications of Vector Analysis. Included is an introduction to vector differential geometry. *Prerequisite:* MA 235 or MA 337.

MA 339. Modern Arithmetic for Public Schools **3 hours**

A study of the basic ideas of mathematics. Special emphasis is placed on the origin, logical structure, and meaning of mathematics, as well as on newer techniques of teaching arithmetic. *Prerequisite:* None.

MA 438, MA 439. Mathematical Analysis III and IV **3 + 3 hours**

A rigorous treatment of the foundations of differential and integral calculus, using modern notations. Included are multiple, line surface integrals, infinite series and sequences, and improper integrals. *Prerequisite:* MA 337 or equivalent required for MA 438; MA 438 required for MA 439.

MA 480, MA 481. Advanced Algebra I, II **3 + 3 hours**

A course with emphasis on algebraic structure, including groups, rings, fields, integral domains, matrices, and linear transformations. *Prerequisite:* MA 235 required for MA 480; MA 480 required for MA 481.

MA 301. Mathematical Probability and Statistics **3 hours**

A basic study of the mathematical theory of probability and statistics. *Prerequisite:* MA 235.

MA 302. Elementary Computers **3 hours**

An elementary study of the theory of computers and their application in the solving of problems. *Prerequisite:* MA 137, MA 138, MA 234, MA 235.

MA 485. Mathematics Seminar **1 hour**

A seminar providing the opportunity to practice preparing and delivering talks on mathematical subjects. *Prerequisite:* Senior standing.

MA 499. Special Studies in Mathematics **3 hours**

To be offered in the short semester.

PHYSICS (PY)

Freshman

1st Semester		*2nd Semester*	
MA 137 Elementary Math I	3	MA 138 Elementary Math II	3
CO 110 Intro. to Writing	3	SP 110 Intro. to Speech	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
CH 134 General Chemistry I	4	CH 135 General Chemistry II	4
GE 114 Elementary German I or		GE 115 Elementary German II or	
FR 112 Elementary French I	3	FR 113 Elementary French II	3
PE Physical Education—Women		PE Physical Education—Women	
PE Physical Education—Men		PE Physical Education—Men	
	16		16

Sophomore

HU 310 Greek Adjustment	3	HU 311 Medieval Synthesis	3
GE 217 Intermediate German I or FR 215 Intermediate French I	3	GE 218 Intermediate German II or FR 216 Intermediate French II	3
PY 280 Physics I	4	PY 281 Physics II	4
MA 234 Math Analysis I	3	MA 235 Math Analysis II	3
PH 266 Intro. to Philosophy	3	PO 123 Government of the U.S.	3
Elective		Elective	
	16		16

Junior

PY 283 Mechanics I	3	PY 284 Mechanics II	3
PY 282 Electricity & Magnetism	3	PY 380 Light and Optics	3
MA 337 Differential Equations	3	MA 338 Vector Analysis	3
PYA 381 Junior Physics Lab	1	PYB 381 Junior Physics Lab	1
HU 312 Modern Temper	3	PS 140 General Psychology	3
EC 220 Principles of Economics	3	Elective	3
	16		16

Senior

PY 382 Heat & Thermodynamics	3		
PY 383 Atomic and Nuclear	3	Elective	3
MA 438 Advanced Calculus I	3	PY 384 Atomic and Nuclear	3
PY 487 Senior Physics Lab I	2	MA 439 Advanced Calculuc II	3
MA 483 Mathematical Probability and Statistics	3	PY 486 Classical Topics	2
PY 489 Senior Physics Seminar		PY 488 Senior Physics Lab	3
		Py 489 Physics Seminar	
	14		14

PHYSICS (PY)

PY 200, PY 201. Physics I, II **4 + 4 hours**

An introductory course in physics concentrating on the fundamental aspects of mechanics, heat, light, sound, electricity, and modern physics. *Prerequisite:* MA 137, MA 138 or equivalent required for PY 200; PY 200 or equivalent required for PY 201.

PY 301. Electricity and Magnetism **3 hours**

An intermediate level course dealing with electric charge, fields, potential, D.C. and A.C. circuits, magnetic phenomena, and electromagnetic effects. *Prerequisite:* MA 234, MA 235, PY 200, PY 201.

PY 304, PY 305. Mechanics I, II **3 + 3 hours**

An intermediate level course developing the fundamental concepts and principles of mechanics using calculus and vector notation. *Prerequisite:* MA 234, MA 235, MA 337 required for PY 304; PY 304 required for PY 305.

PY 302. Light and Optics **3 hours**

A descriptive and mathematical study comprising fundamental principles of physical and geometrical optics. *Prerequisite:* PY 200, PY 201, PY 301.

PY 300. Junior Physics Laboratory **1 + 1 hour**

Selected experiments from Physics. *Prerequisite:* PY 200, PY 201.

PY 303. Heat and Thermodynamics **3 hours**

A descriptive and mathematical treatment of the fundamental heat concepts, gas laws, and thermodynamics. *Prerequisite:* MA 234, MA 235, MA 337, PY 200, PY 201.

PY 400, PY 401. Atomic and Nuclear Physics I, II **3 + 3 hours**

An intermediate level study of atomic and nuclear structure and the behavior of atomic and nuclear particles. *Prerequisite:* PY 200, PY 201, MA 234, MA 235, MA 337 required for PY 400; PY 400 required for PY 401.

PY 402. Classical Topics in Theoretical Physics **3 hours**

Selected topics in Lagrangian and Hamiltonian concepts, quantum mechanics, etc. *Prerequisite:* PY 304, PY 305, MA 337.

PY 403, PY 404. Senior Physics Laboratory I, II **2 + 2 hours**

Selected experiments from modern physics. *Prerequisite:* PY 200, PY 201, MA 134, MA 135, MA 234, MA 235.

PY 405. Senior Physics Seminar **1 + 1 hour**

A seminar providing the opportunity to practice preparing and delivering talks on scientific subjects. *Prerequisite:* Senior standing.

PY 499. Special Studies in Physics **3 hours**

To be offered in the short semester.

PRE- AND POST-NURSING* (PN)

First Year

1st Semester		*2nd Semester*	
CO 110 Writing Introduction	3	SH 110 Speech	3
HY 120 Western Civilization	3	HY 121 Western Civilization	3
MA 135 Mathematics	3	Philosophy Elective	3
Social Studies Elective	3	Major-Directed Elective	3
Science Elective	4	Science Elective	4
	16		16

Second Year

Literature Elective	3	Major-Directed Electives	9
Major-Directed Courses	12	General Electives	6
	15		15

GENERAL SCIENCE (GS)

The course level is appropriate for students with a good background in algebra but minimal one in other sciences. Students with excellent preparation in all the sciences should elect one of the regular sequences in science.

*Upon completion of these courses, student will be eligible for the Bachelor of Science (B.S.) degree. Diploma from an accredited nursing school is also required.

GS 130. Principles of Science I **4 hours**

A laboratory course in physical science for non-science majors stressing the significant ideas common to all of the sciences. The first semester is concerned with the investigation of the properties of matter. Much of the learning process is accomplished through experiments carried out by the students. Considerable attention is given to interpretation of experimental observation and data. Laboratory, lecture and recitation. *Prerequisie:* None.

GS 131. Principles of Science II **4 hours**

A continuation of Principles of Science I. The laboratory experiments are designed to illustrate available experimental evidence for the atomic structure of matter. Laboratory, lecture and recitation. *Prerequisite:* GS 130 or permission of instructor.

GS 132. Enviromental Science **4 hours**

Enviromental physical science—a study of the physical situation in which man finds himself i.e. geology, astronomy, geophysics, space physics, etc. Laboratory or field trips will be included. *Prerequisite:* None.

PRE-MEDICINE (PM)

Freshman

1st Semester		*2nd Semester*	
CO 110 Intro. to Writing	3	SH 110 Intro. to Speech	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
MA 137 Elementary Math I	3	MA 138 Elementary Math II	3
CH 134 General Chemistry I	4	CH 135 General Chemistry II	4
General Psychology or Sociology	3	PO 123 Government of the U.S.	3
	16		16

Sophomore

BI 132 General Biology I	4	BI 133 General Biology II	4
CH 387 Organic Chemistry I	4	CH 388 Organic Chemistry	4
Foreign Language I	3	Foreign Language II	3
MA 438 Calculus I* or elective	3	MA 439 Calculus II* or elective	3
	14		14

Junior

PH 266 Intro. to Philosophy	3		
CH 232 Quantitative Analysis I	4	233 Quantitative Analysis II	4
Elective	3	Music or Foreign Language	3
Elective	3	Elective	3
Biology elective**	4	Biology elective**	4
	17		14

*Calculus is required by 10 of 96 medical colleges.
**Embryology required by 11 schools of medicine, Genetics required by 5, and comparative anatomy required by 4.

Senior

PY 280 Physics I	4	PY 281 Physics II	4
LI 213 Americal Literature I (or other Lit. courses)	3	LI 214 American Literature II (or other Lit. course)	3
Biology or general elective	4	Elective	3
Elective	3	Elective	3
Elective	3	EC 220 Principles of Economics	3
	17		16

MEDICAL TECHNOLOGY (MT)

Freshman

1st Semester		*2nd Semester*	
CO 110 Intro. to Writing	3	SH 110 Intro. to Speech	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
CH 134 General Chemistry I	4	CH 135 General Chemistry II	4
PS 140 General Psychology	3	EC 220 Principles of Economics	3
Mathematics	3	Mathematics	3
Physical Education	0	Physical Education	0
	16		16

Sophomore

LI 210 Intro. to Literature	3	LI 211 Intro. to Literature	3
BI 132 Biology I	4	BI 133 Biology II	4
CH 387 Organic Chemistry I	4	CH 388 Organic Chemistry II	4
PY 280 Physics I	4	PY 281 Physics II	4
	15		15

Junior

PH 266 Intor. to Philosophy	3	PH 267 Ethics	3
CH 232 Elem. Quantitative Analysis	4	Elective	3
BI 430 General Physiology	4	BI 431 Animal Physiology	4
PO 123 Government of the U.S.	3	Elective	3
Foreign Language	3	Foreign Language	3
	17		16

Senior

The following subjects are taken at a cooperating hospital during the senior year:

Biochemistry	Bacteriology	Mycology
Hematology	Cytology	Parasitology
Serology	Urinalysis	Electrocardiology
Histology	Basal Metabolism	

DIVISION OF SOCIAL STUDIES

To ensure the orderly completion of the program, the major should consult with the appropriate faculty member in the department or division at the time of his *first* registration. It is important that each major have his program fully planned from the outset so that he may be aware of departmental and divisional requirements and allowable substitutions and alternatives. Each major must complete the core requirements within the scope of their interpretation by responsible departmental or divisional advisors. In addition, each major must complete those departmental and divisional requirements as may apply to the specific degree.

HISTORY (HY)

Freshman

1st Semester		*2nd Semester*	
CO 110 Intro. to Writing	3	SH 110 Intro. to Speech	3
HY 120 Western Civilization	3	HY 121 Western Civilization	3
PO 123 American Government	3	Sociology or Psychology	3
Foreign Language	3	Foreign Language	3
Mathematics	3	Elective	3
	15		15

Sophomore

Science	4	Science	4
Philosophy	3	Political Science Elective	3
HU 310 Humanities Sequence	3	HU 311 Humanities Sequence	3
HY 324 American History	3	HY 325 American History	3
EC 220 Principles of Economics	3	Elective	3
	16		16

Junior

Science	4	Elective	3
HU 312 Humanities Sequence	3	Political Science Elective	3
HY 320 Renaissance and Reformation	3	HY 321 Europe 1650-1815	3
PO 428 American Diplomatic History	3	HY 426 20th Century American History	3
Elective	3	Elective	3
	16		15

Senior

HY 322 Europe in the 19th Century	3	HY 323 Europe Since 1918	3
HY 424 Civil War	3	HY 425 American Character	3
Political Science Elective	3	Political Science Elective	3
Political Science Elective	3	Elective	3
Elective	3	Elective	3
	15		15

HISTORY (HY)

HY 120, 121. Western Civilization I, II **3 + 3 hours**

A course tracing the political, social, economic, and cultural developments of Western Civilization from its Graeco-Roman origins to the present. The first semester deals with the story from the beginnings to 1715; the second, from 1715 to the present. *Prerequisite:* None for 120; 120 required for 121.

HY 320. The Renaissance and Reformation **3 hours**

A study of the significant changes in European art, thought, and institutions during the period from about 1300 to about 1600. *Prerequisite:* 120, 121.

HY 321. Europe 1650-1815 **3 hours**

A course examining European society between the Reformation and the Napoleonic era. It will concern itself with the rise of the modern state, the economic revolution, constitutional monarchy, the Enlightenment, the Era of Revolution, and the Age of Napoleon. *Prerequisite:* 120, 121.

HY 322. Europe in the Nineteenth Century **3 hours**

A study observing and analyzing the domestic and foreign policies of the major European powers in the period between the Congress of Vienna and the Paris Peace Conference following World War I. *Prerequisite:* 120, 121.

HY 323. Europe since 1918 **3 hours**

An examination of European history since World War I, giving particular attention to the rise of the Communist, Fascist, and National Socialist movements in Russia, Italy, and Germany. It will also treat of World War II and its aftermath. *Prerequisite:* 120, 121.

HY 324. American History to 1865 **3 hours**

A survey from colonial times to 1865, concerned mainly with the major domestic developments of a growing nation. *Prerequisite:* 120, 121.

HY 325. American History Since 1865 **3 hours**

A survey from 1865 to the present, concerned with the chief events which explain the growth of the United States to a position of world power. *Prerequisite:* 324.

HY 424. The Civil War and Reconstruction **3 hours**

A course for advanced history students giving detailed attention to the chief features of the wartime period and the major changes ushered in by it. *Prerequisite:* 324, 325.

HY 425. The American Character **3 hours**

An undergraduate seminar designed to explore the major questions relating to how the national mind and character came to be formed. *Prerequisite:* Permission of the instructor.

HY 426. Twentieth Century American History **3 hours**

The course deals with American history from the end of the nineteenth century until the present, emphasizing significant trends in economics, politics and social developments. *Prerequisites:* 123, 324, 325.

POLITICAL SCIENCE (PO)

Freshman

1st Semester		*2nd Semester*	
CO 110 Intro. to Writing	3	SH 110 Intro. to Speech	3
HY 120 Western Civilization	3	HY 121 Western Civilization	3
PO 123 American Government	3	Sociology or Psychology	3
Foreign Language	3	Foreign Language	3
Mathematics	3	Elective	3
	15		15

Sophomore

Science	4	Science	4
Philosophy	3	History elective	3
HU 310 Humanities Sequence	3	HU 311 Humanities Sequence	3
PO 223 Comparative Government	3	PO 326 International Relations	3
EC 220 Principles of Economics	3	PO 224 State and Local Gov.	3
	16		16

Junior

Science	4	EC 221 Economics II	3
HU 312 Humanities Sequence	3	Elective	3
PO 328 European Political Thought	3	PO 328 American Political Thought	3
HY 324 American History I	3	HY 325 American History II	3
Elective	3	Elective	3
	16		15

Senior

HU 322 19th Century European History	3	HY 323 20th Century European History	3
PO 474 Constitutional Law	3	PO 476 Public Administration	3
History Elective	3	PO 327 American Political Parties	3
Elective	3	Elective	3
PO 428 American Diplomatic History	3	Elective	3
	15		15

POLITICAL STUDIES (PO)

PO 123. Government of the United States **3 hours**

A study of the characteristics and functions of the American political process, including a brief examination of American political posture in the world community. *Prerequisite:* 120, 121.

PO 223. Comparative Government **3 hours**

An analytical study of the political traditions and the modern institutions of selected foreign countries, following logically a similar study of the government of the United States. The governments of Britain, France, and the Soviet Union will be given special emphasis. *Prerequisite:* 120, 121, 123.

PO 224. State and Local Government **3 hours**

A survey of the origin, development,and continuing problems of state and local government, with specific focus on the politics of the metropolis. *Prerequisite:* 123.

PO 326. International Relations **3 hours**

An examination of the major elements and persistent problems of world affairs, as well as the influences that bear upon them, within both the historical and contemporary setting. *Prerequisite:* 120, 121, 123, 223.

PO 327. American Political Parties **3 hours**

A study in depth of the development of party alignments in the United States, together with an analysis of their sources of power, including political opinion. *Prerequisite:* 123.

PO 328. European Political Thought **3 hours**

An examination of the continuing development of political theory from the time of Machiavelli to that of Jeremy Bentham, based on the writings of major political thinkers during that period. *Prerequisite:* 120, 121.

PO 329. American Political Thought **3 hours**

A descriptive analysis of American political development from its roots in Europe to the present, drawing substantially from primary sources of political theorists and leaders, the great documents, laws, and judicial decisions. *Prerequisite:* 123, 324, 325.

PO 428. Diplomacy of the United States **3 hours**

A study of the growth of the United States as a major factor in world affairs, beginning with the Spanish-American War. Significant developments in earlier related American policies will be covered. *Prerequisite:* 120, 121, 123.

PO 474. Constitutional Law **3 hours**

A study of the circuitious development of our organic law through an examination of the Supreme Court and its leading decisions. *Prerequisite:* 123.

PO 476. Public Administration **3 hours**

A survey of the basic principles and practices of public administration at the national, state, and local levels of government, with emphasis on personnel management, financial administration, administrative law and regulations, and administrative responsibility. *Prerequisite:* 123.

PRE-LAW CURRICULUM (PL)

Freshman

1st Semester		*2nd Semester*	
CO 110 Intro. to Writing	3	SH 110 Intro. to Speech	3
HY 120 Western Civilization I	3	HY 121 Western Civilization II	3
MA 136 Mathematics	3	PO 123 U.S. Government	3
Science I	4	Science II	4
SO 141 Sociology, Intro. to	3	SO 241 Social Problems	3
Physical Education	0	Physical Education	0
	16		16

Sophomore

Foreign Language I	3	Foreign Language II	3
Science III	4	EC 220 Economics	3
PH 266 Intro. to Philosophy	3	PH 267 Ethics	3
PO 223 Comparative Government	3	PO 224 State & Local Gov.	3
PS 140 General Psychology	3	BA 301 Statistics	3
	16		15

Junior

HU 310 Humanities I	3	HU 311 Humanities II	3
BA 203 Conceptual Foundations	4	BA 101 Business Law	3
Foreign Language III	3	Foreign Language IV	3
343 Theories of Personality	3	PS 330 Abnormal Psychology	3
Elective	3	Elective	3
	16		15

Senior

HU 312 Humanities III	3	PO 474 Const'l Law	3
HY 324 American History I	3	HY 325 American History II	3
SO 346 Criminology	3	PH 365 Formal Logic	3
Directed Elective	3	Directed Elective	3
Elective	3	Elective	3
	15		15

THE FACULTY

(As of Academic Year 1967-8.)

Martin Abbott
Professor of History
A.B., Presbyterian College; A.M., Ph.D., Emory University

Lucile Q. Agnew
Associate Professor of English
A.B., Furman University; A.M., Duke University

Arthur Bieler
Professor of Modern Languages
A.B., New York University; A.M., Middleburg College; Docteur de l'Université (Paris)

Leo Bilancio
Associate Professor of History
A.B., Knox College; A.M., University of North Carolina

Patricia Bonner
Instructor in Music
A.B., Wesleyan College; M.Mus., New England Conservatory of Music

Sandra T. Bowden
Assistant Professor of Biology
B.S., Georgia Southern College; A.M., University of North Carolina

Vandall K. Brock
Assistant Professor of English
A.B., Emory University; A.M., M.F.A., State University of Iowa

Wendell H. Brown
Professor of Humanities
B.S., University of Puget Sound; A.M., Columbia University

Billy W. Carter
Assistant Professor of Physical Education, Basketball Coach and Director of Athletics
A.B., Oglethorpe College; A.M., George Peabody College for Teachers

Elaine G. Dancy
Assistant Professor of English
A.B., A.M., University of South Carolina

Harry M. Dobson
Assistant Professor of Music
Institute of Musical Arts, N. Y.; Study in Berlin, Fontainebleau, London

William A. Egerton
Professor of Business Administration

Lloyd J. Elliott
Associate Professor of Economics
B.S., St. Mary's University; M.B.A., University of Houston; Ph.D., University of Texas

Robert J. Fusillo
Associate Professor of English
A.B., M.S., Fort Hays Kansas State College; Ph.D., The Shakespeare Institute (Stratford-Upon-Avon), University of Birmingham (England)

Ida L. Garrett
Instructor in History and Government
A.B., Agnes Scott College; A.M., Columbia University

Roy N. Goslin
Professor of Physics and Mathematics
A.B., Nebraska Wesleyan University; A.M., University of Wyoming

Bobbie M. Hall
Instructor in Physical Education
B.S., Winthrop College; M.Ed., University of Toledo

Bernice R. Hilliard
Assistant Professor of Mathematics
A.B., M.Ed., Oglethorpe College

J. Kennedy Hodges
Professor of Chemistry
A.B., Wofford College; A.M., Duke University; Ph.D., University of North Carolina

Diane P. Jennings
Instructor in International Relations
B.A., Westminster College; M.A., Tulane University (Graduate School)

Eugenia Davis Kelley
Assistant Professor of Education
B.S., University of Georgia; M.Ed., University of Chattanooga

Evan L. Kelley
Associate Professor of Education
B.S.A., M.Ed., University of Georgia

Jack Brien Key
Associate Professor of History
A.B., Birmingham Southern College; A.M., Vanderbilt University; Ph.D., The Johns Hopkins University

Greg Lanier
Assistant Professor of Psychology
A.B., Duke University; M.A., Kent State University; Ph.D., Emory University

Nancy S. Leach
Instructor in Chemistry
B.S., University of Wisconsin; M.S., Marquette University

Ruth E. Lewis
Instructor in Chemistry
A.B., Agnes Scott; M.S., University of Michigan

Robert W. Loftin
Assistant Professor of Philosophy
A.B., Oglethorpe College; A.M., Florida State University

Elgin F. MacConnell
Assistant Professor of Education
A.B., Allegheny College; A.M., New York University

Jorge A. Marban
Assistant Professor of Spanish
A.B., Instituto Vibora; LL.D., M.Soc.Sci., Universidad de la Habana

James R. Miles
Professor of Business Administration
A.B., B.S., University of Alabama; M.B.A., Ohio State University

Ken Nishimura
Associate Professor of Philosophy
A.B., Pasadena College; B.D., Asbury Theological Seminary; Ph.D., Emory University

Philip F. Palmer
Associate Professor of Government
A.B., A.M., University of New Hampshire

Joanna W. Parrish
Instructor in Biology
A.B., Woman's College—University of North Carolina; M.A., Duke University

James F. Smith
Assistant Professor of Psychology
B.S., Birmingham Southern; M.S., University of Georgia

Robert M. Speights, Jr.
Instructor in Chemistry
B.S., M.S., Georgia Tech

Martha H. Vardeman
Associate Professor of Sociology
B.S., M.S., Auburn University; Ph.D., University of Alabama

George F. Wheeler
Professor of Physics
A.B., Ohio State University; A.M., California Institute of Technology

Lois F. Williamson
Assistant Professor of Biology
A.B., M.Ed., Oglethorpe College

Vera B. Zalkow
Associate Professor of Chemistry
B.S., University of Michigan; A.M., Smith College; Ph.D., Wayne State University

THE ADMINISTRATION

Paul Kenneth Vonk ..... *President*
B.A., Calvin College; M.A., University of Michigan; Ph.D., Duke University

William Robert Hauser ..... *Dean of the College*
B.A., Denison University; M.A., Ph.D., University of Pittsburgh

OTHER ADMINISTRATIVE PERSONNEL

Tim Marx ..... *Admissions Counselor*
B.A., Oglethorpe College

Robert J. Mohan ..... *Director of Admissions*
B.A., Oglethorpe College

William L. Camp, IV ..... *Associate Director of Admissions*
B.A., Parsons College

Thomas W. Chandler, Jr. ..... *Librarian*
A.B., M.Lib., Emory University

Robert I. Doyal ..... *Registrar*
B.A., Oglethorpe College; M.Ed., University of Georgia

Sewell P. Edwards ..... *Campus Security Officer*

Audray Heath ..... *Director of Student Aid and Placement*

Ruth F. Lovell ..... *Manager of Post Office*

STUDENT SERVICES

Michael Decarlo.....*Dean of Students*
B.A., M.A., University of Miami (Fla).

Majorie M. MacConnell.....*Registrar Emeritus*

Tom Norwood.....*Staff Instructor, Men's Physical Education*
B.A., Oglethorpe College

Jean Pope.....*Manager of Book Store*

C. A. N. Rankine .....*College Physician*
M.D., New York University (Bellevue Medical School)

Dorothy G. Richardson.....*Assistant Librarian*
A.B., University of Tennessee; B.S. in L.S., University of Illinois

Susan K. Sholar.....*Dean of Women*
A.B.,University of South Carolina

Elgin F. MacConnell.....*Dean of Men*
A.B., Allegheny College; A.M., New York University

Paul Doody.....*Director of Central Duplicating Services*

Lenora T. Baldwin.....*College Nurse*
R.N., Woodlawn Infirmary, Birmingham, Alabama

BOARD OF TRUSTEES

OFFICERS

Robert L. Foreman, *Chairman*

J. Arch Avary, Jr., *Vice-Chairman*

Howard G. Axelberg, *Secretary*

John I. Thompson, *Treasurer*

MEMBERS OF THE BOARD

*I. M. Aiken, Jr., *President*
Trust Company of Georgia Bank of DeKalb, Atlanta

Norman J. Arnold, *President*
The Ben Arnold Company, Columbia, South Carolina

*J. Arch Avary, Jr., *Executive Vice President*
Trust Company of Georgia Associates, Atlanta

*Howard G. Axelberg, *Executive Vice President*
Liller, Neal, Battle, and Lindsay, Inc., Atlanta

William C. Bartholomay, *Chairman of the Board*
Atlanta Braves, Inc.

C. H. Bartlett, *Vice President*
Westinghouse Electric Corporation, Atlanta

Christopher Brandon, *Commercial Officer*
Trust Company of Georgia, Buckhead Branch

Mitchell C. Bishop, *former Vice Pres. and General Manager*
Tri-State Tractor Company, Atlanta

Thomas L. Camp, *Judge*
Civil Court of Fulton County

Allen Chappell, *Vice Chairman Emeritus*
Georgia Public Service Commission

Rev. John J. Cotter, *Principal*
St. Pius X High School, Atlanta

*Executive Committee

*R. E. Dorough, *Owner*
R. E. Dorough Real Estate, Atlanta

*Robert L. Foreman, *former General Agent*
Mutual Benefit Life Insurance Company

*George E. Goodwin, *Senior Vice President*
Bell and Stanton, Inc., Atlanta

Arthur Howell, *Partner*
Jones, Bird & Howell, Atlanta

Rev. Fitzhugh M. Legerton, *Pastor*
Oglethorpe Presbyterian Church

Harold R. Lilley, *Vice President*
Frito-Lay, Inc., Dallas, Texas

J. Clyde Loftis, *Retired President*
Kraft Foods

R. E. Loughborough, *Vice President and Trust Officer*
The Fulton National Bank of Atlanta

Albert I. Love, *Chairman of the Board*
Foote & Davies, Doraville

Virgil W. Milton, *former Gen. Mgr. Atlanta Retail Stores*
Sears-Robuck & Company

*Louis A. Montag, *Partner*
Montag & Caldwell, Atlanta

Eugene W. O'Brien, *Consulting Engineer*
Atlanta

William C. Perkins, *Vice President*
Atlanta Brush Company

Rabbi Jacob M. Rothschild, *D.D.*
The Temple, Atlanta

*Stephen J. Schmidt, *President*
Dixie Seal & Stamp Company, Atlanta

*James M. Sibley, *Partner*
King & Spalding, Atlanta

Rankin M. Smith
President—Atlanta Falcons Football Team, Inc.
Executive Vice President—Life Insurance Company of Georgia

*Executive Committee.

COMMITTEES OF THE BOARD

Robert R. Snodgrass, *President*
Atlas Finance Company, Inc., Atlanta

John I. Thompson, *President*
John I. Thompson & Company, Washington, D. C.

Charles L. Towers, *Vice President*
Shell Oil Company, Atlanta

Morton L. Weiss, *President*
Montag, Inc., Atlanta

INDEX

Academic Regulations 20

Admission 15

Advanced Placement Program 15

Application Procedure 18

Athletics 28

Awards 34-35

Class Attendance 20

College Calendar 6

Core Program 39

Course Descriptions:

- Biology 77
- Business Administration 45
- Chemistry 79
- Economics 50
- Education 52
- English 68
- French 72
- General Science 86
- German 74
- History 89
- Mathematics 80
- Philosophy 74
- Physical Education 58
- Physics 82
- Political Studies 91
- Pre-Law 93
- Pre-Medical 87
- Pre-Nursing 86
- Psychology 41
- Sociology 43
- Spanish 74

Curriculum, Organization 38

Dean's List 22

Degrees 21

Degrees With Honors 22

Evening Program 37

Expenses 29, 31, 32

Extra-Curricular Activities 26

Faculty 95

Fees and Costs 31-32

Financial Assistance 18

Fine Arts Festival 33

Grading System 20

Graduation Requirements 21

History of Oglethorpe 11-13

Minimum Academic Average 20-22

Normal Academic Load 22

Oglethorpe Idea 9-10

Orientation 25

Placement Service 35

OGLETHORPE COLLEGE BULLETIN
ARTS AND SCIENCES
OGLETHORPE COLLEGE
ATLANTA • GEORGIA
1968-1969

OGLETHORPE COLLEGE • ATLANTA, GEORGIA 30319